

**ORDINE DEGLI INGEGNERI  
DELLA PROV. DI TRENTO**  
**dott.ing. ROBERTO BOSETTI**  
INSCRIZIONE ALBO N° 1027

IL RESPONSABILE DEL PROCEDIMENTO  
*dott. ing. Roberto Bosetti*

# autostrada del brennero

PROGETTO DEFINITIVO PER LA REALIZZAZIONE  
DELLA TERZA CORSIA NEL TRATTO COMPRESO  
TRA VERONA NORD (KM 223) E L'INTERSEZIONE  
CON L'AUTOSTRADA A1 (KM 314)

1	ELABORATI GENERALI
2.1.19.	STUDI GEOLOGICI E GEOTECNICI Regione Lombardia Prove penetrometriche - parte 1/2

0	MAR. 2021	EMISSIONE	ENGE0 S.r.l.	G. BERRERA	C. COSTA
REVISIONE:	DATA:	DESCRIZIONE:	REDAZIONE:	VERIFICA:	APPROVAZIONE:
DATA PROGETTO: LUGLIO 2009		<b>DIREZIONE TECNICA GENERALE</b>	IL DIRETTORE TECNICO GENERALE E PROGETTISTA:		
NUMERO PROGETTO: 31/09					



**PROVA PENETROMETRICA STATICA**  
**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

**CPT 7S**

Z01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 04/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- pagina : 1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	---	---	4,20	133,0	189,0	133,0	2,67	50,0
0,40	---	---	--	0,60	---	4,40	36,0	76,0	36,0	2,07	17,0
0,60	7,0	16,0	7,0	0,67	10,0	4,60	16,0	47,0	16,0	0,53	30,0
0,80	29,0	39,0	29,0	0,07	435,0	4,80	50,0	58,0	50,0	1,73	29,0
1,00	20,0	21,0	20,0	0,33	60,0	5,00	56,0	82,0	56,0	0,27	210,0
1,20	9,0	14,0	9,0	0,13	67,0	5,20	68,0	72,0	68,0	2,00	34,0
1,40	31,0	33,0	31,0	0,07	465,0	5,40	47,0	77,0	47,0	1,27	37,0
1,60	29,0	30,0	29,0	1,33	22,0	5,60	64,0	83,0	64,0	0,87	74,0
1,80	19,0	39,0	19,0	1,27	15,0	5,80	91,0	104,0	91,0	1,40	65,0
2,00	161,0	180,0	161,0	1,53	105,0	6,00	65,0	86,0	65,0	1,07	61,0
2,20	140,0	163,0	140,0	0,13	1050,0	6,20	89,0	105,0	89,0	3,53	25,0
2,40	96,0	98,0	96,0	0,73	131,0	6,40	49,0	102,0	49,0	4,20	12,0
2,60	94,0	105,0	94,0	2,73	34,0	6,60	22,0	85,0	22,0	3,07	7,0
2,80	81,0	122,0	81,0	2,20	37,0	6,80	42,0	88,0	42,0	2,40	17,0
3,00	107,0	140,0	107,0	2,87	37,0	7,00	46,0	82,0	46,0	1,73	27,0
3,20	130,0	173,0	130,0	1,93	67,0	7,20	106,0	132,0	106,0	2,47	43,0
3,40	119,0	148,0	119,0	0,73	162,0	7,40	121,0	158,0	121,0	1,20	101,0
3,60	91,0	102,0	91,0	2,73	33,0	7,60	202,0	220,0	202,0	2,07	98,0
3,80	15,0	56,0	15,0	1,60	9,0	7,80	143,0	174,0	143,0	2,33	61,0
4,00	138,0	162,0	138,0	3,73	37,0	8,00	117,0	152,0	117,0	---	---

- PENETROMETRO STATICO tipo PAGANI da 10/20t
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann  $\varnothing = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)
- manicotto laterale (superficie 150 cm<sup>2</sup>)

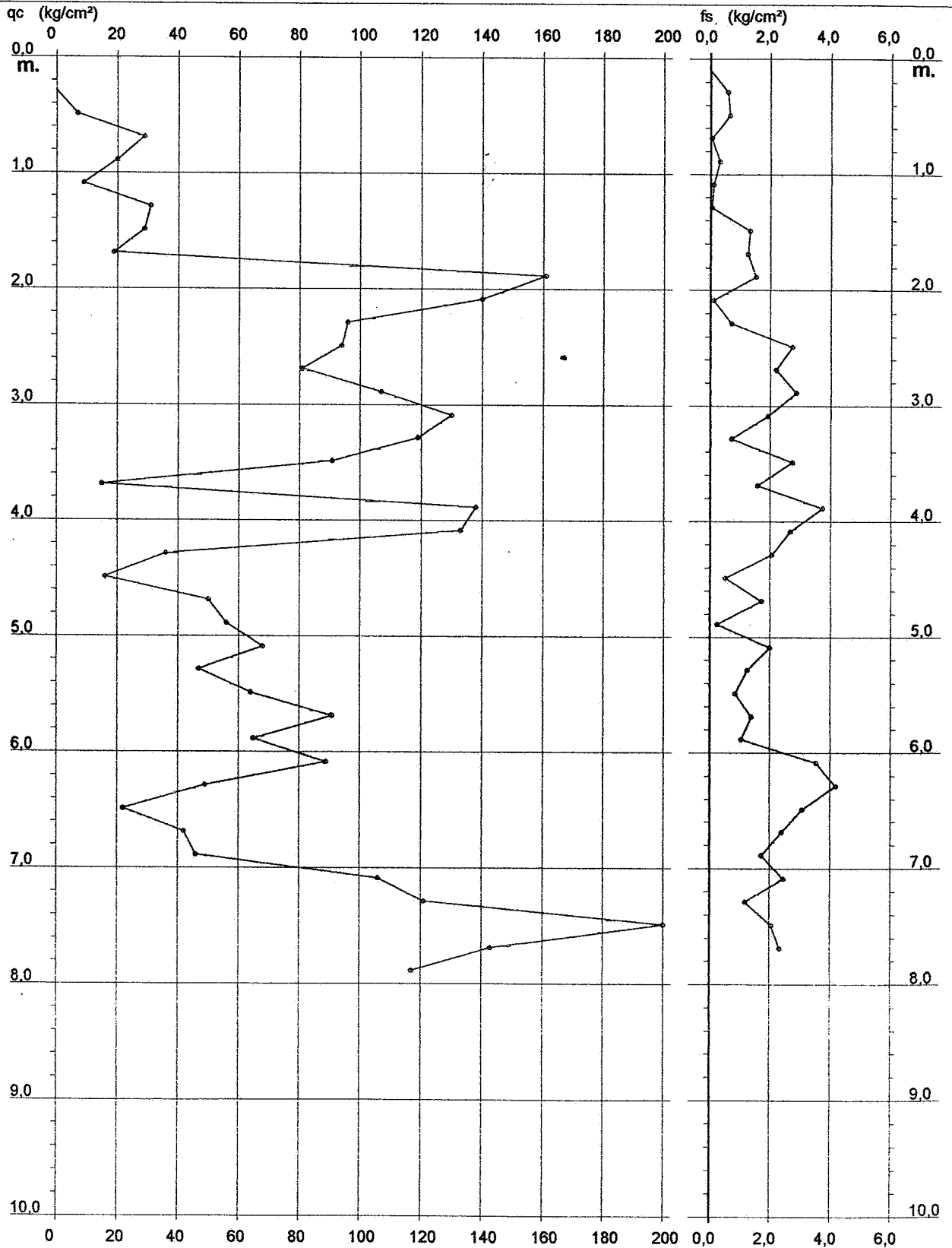
# PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 7S

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 04/07/1991  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50







**PROVA PENETROMETRICA STATICA**  
**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

**CPT 8N**

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note :

- data : 04/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 1,60 m da quota inizio  
- pagina : 1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	---	---	4,80	32,0	43,0	32,0	0,80	40,0
0,40	---	---	--	0,40	---	5,00	20,0	32,0	20,0	2,20	9,0
0,60	53,0	59,0	53,0	2,40	22,0	5,20	25,0	58,0	25,0	1,73	14,0
0,80	42,0	78,0	42,0	1,87	22,0	5,40	123,0	149,0	123,0	2,93	42,0
1,00	36,0	64,0	36,0	2,93	12,0	5,60	119,0	163,0	119,0	1,60	74,0
1,20	41,0	85,0	41,0	4,00	10,0	5,80	91,0	115,0	91,0	3,27	28,0
1,40	34,0	94,0	34,0	2,73	12,0	6,00	36,0	85,0	36,0	3,40	11,0
1,60	29,0	70,0	29,0	2,07	14,0	6,20	22,0	73,0	22,0	1,60	14,0
1,80	25,0	56,0	25,0	2,07	12,0	6,40	93,0	117,0	93,0	2,73	34,0
2,00	26,0	57,0	26,0	1,47	18,0	6,60	153,0	194,0	153,0	2,80	55,0
2,20	26,0	48,0	26,0	1,60	16,0	6,80	142,0	184,0	142,0	1,53	93,0
2,40	29,0	53,0	29,0	2,80	10,0	7,00	65,0	88,0	65,0	1,27	51,0
2,60	228,0	270,0	228,0	4,33	53,0	7,20	15,0	34,0	15,0	0,53	28,0
2,80	202,0	267,0	202,0	4,73	43,0	7,40	9,0	17,0	9,0	0,47	19,0
3,00	180,0	251,0	180,0	3,27	55,0	7,60	13,0	20,0	13,0	0,40	32,0
3,20	162,0	211,0	162,0	2,87	57,0	7,80	9,0	15,0	9,0	0,53	17,0
3,40	76,0	119,0	76,0	2,80	27,0	8,00	58,0	66,0	58,0	0,47	124,0
3,60	159,0	201,0	159,0	3,40	47,0	8,20	32,0	39,0	32,0	1,93	17,0
3,80	117,0	168,0	117,0	0,40	292,0	8,40	19,0	48,0	19,0	1,93	10,0
4,00	112,0	118,0	112,0	3,47	32,0	8,60	206,0	235,0	206,0	3,20	64,0
4,20	27,0	79,0	27,0	0,60	45,0	8,80	218,0	266,0	218,0	0,33	654,0
4,40	26,0	35,0	26,0	0,93	28,0	9,00	215,0	220,0	215,0	---	---
4,60	19,0	33,0	19,0	0,73	26,0						

- PENETROMETRO STATICO tipo PAGANI da 10/20t  
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s  
- punta meccanica tipo Begemann  $\varnothing = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)  
- manicotto laterale (superficie 150 cm<sup>2</sup>)

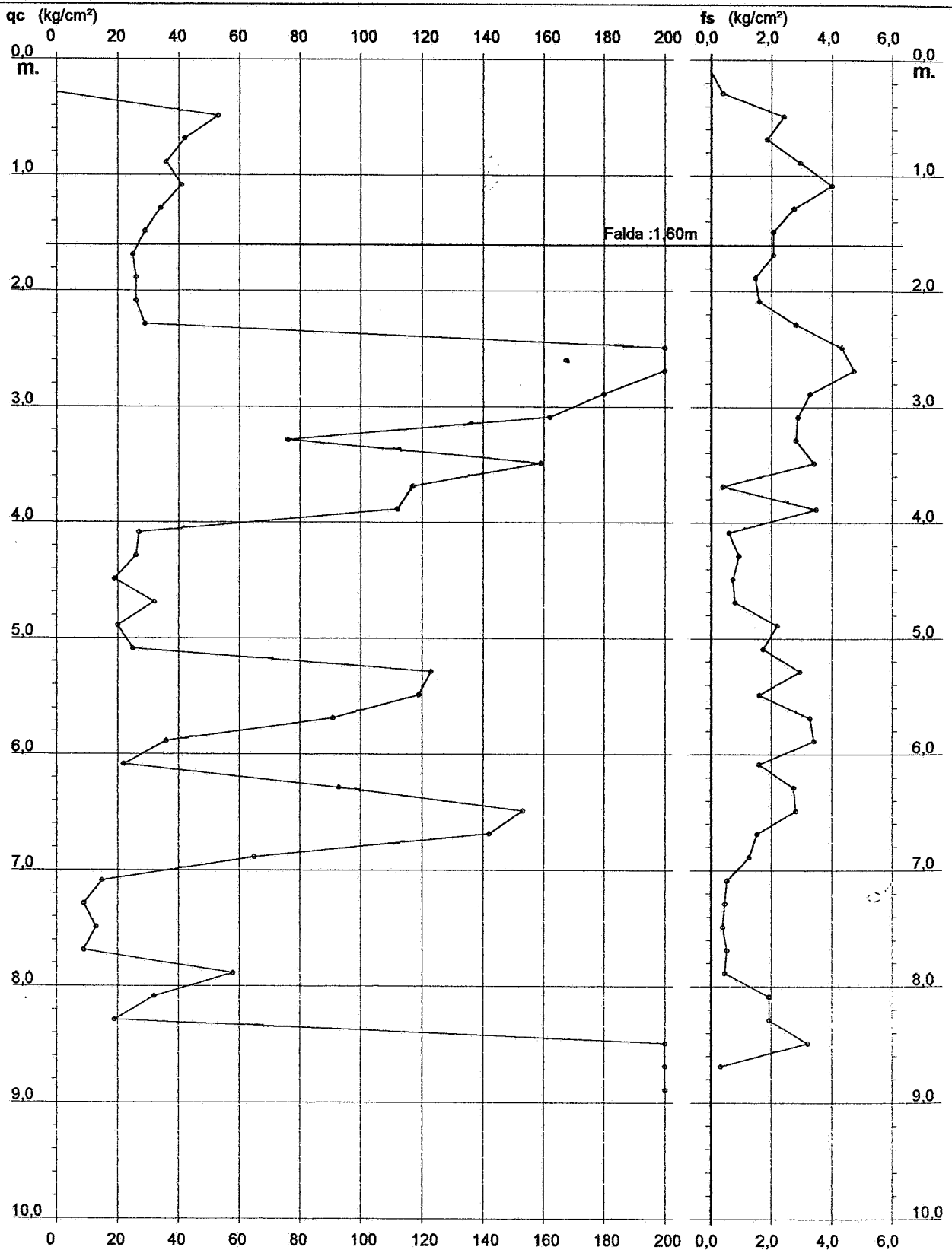
**PROVA PENETROMETRICA STATICA  
DIAGRAMMA DI RESISTENZA**

**CPT 8N**

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- localit  : Nogarole Rocca - Pegognaga

- data : 04/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 1,60 m da quota inizio  
- scala vert. : 1 : 50





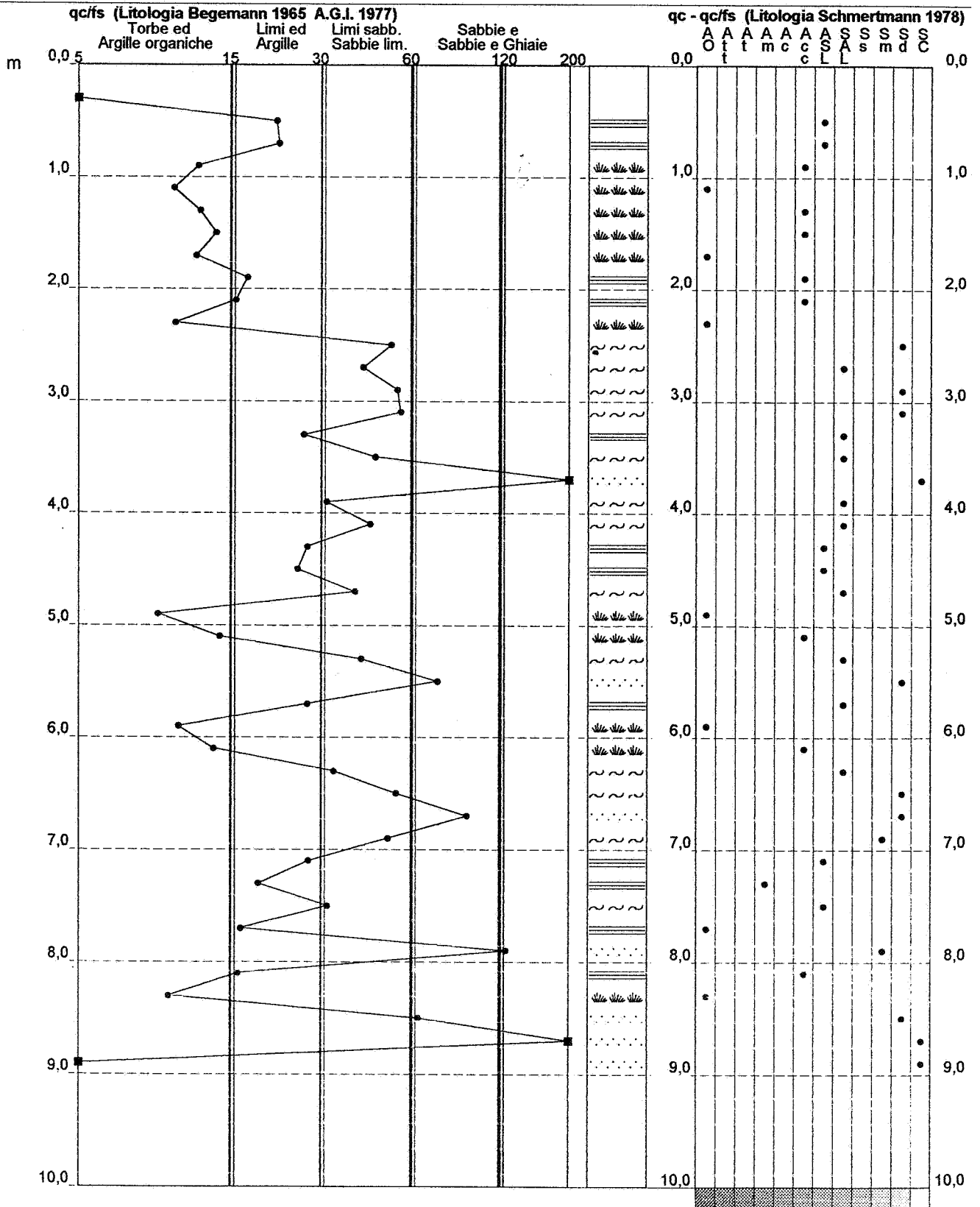
**PROVA PENETROMETRICA STATICA  
VALUTAZIONI LITOLOGICHE**

**CPT 8N**

Z.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note :

- data : 04/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 1,60 m da quota inizio  
- scala vert.: 1 : 50





**PROVA PENETROMETRICA STATICA**  
**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

**CPT 16N**

201PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Max prof. raggiunta prima del disancoramento.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 0,60 m da quota inizio  
- pagina : 1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	----	---	3,60	55,0	90,0	55,0	3,53	16,0
0,40	---	---	--	0,33	---	3,80	48,0	101,0	48,0	2,93	16,0
0,60	17,0	22,0	17,0	1,33	13,0	4,00	37,0	81,0	37,0	1,80	21,0
0,80	5,0	25,0	5,0	0,53	9,0	4,20	47,0	74,0	47,0	2,93	16,0
1,00	5,0	13,0	5,0	0,60	8,0	4,40	36,0	80,0	36,0	2,40	15,0
1,20	3,0	12,0	3,0	0,33	9,0	4,60	37,0	73,0	37,0	1,47	25,0
1,40	9,0	14,0	9,0	0,47	19,0	4,80	56,0	78,0	56,0	1,93	29,0
1,60	9,0	16,0	9,0	0,33	27,0	5,00	35,0	64,0	35,0	1,80	19,0
1,80	7,0	12,0	7,0	0,47	15,0	5,20	46,0	73,0	46,0	1,47	31,0
2,00	20,0	27,0	20,0	0,33	60,0	5,40	114,0	136,0	114,0	3,73	31,0
2,20	18,0	23,0	18,0	0,07	270,0	5,60	110,0	166,0	110,0	3,87	28,0
2,40	26,0	27,0	26,0	1,20	22,0	5,80	94,0	152,0	94,0	3,60	26,0
2,60	28,0	46,0	28,0	0,60	47,0	6,00	39,0	93,0	39,0	2,93	13,0
2,80	45,0	54,0	45,0	1,93	23,0	6,20	40,0	84,0	40,0	0,87	46,0
3,00	60,0	89,0	60,0	0,47	129,0	6,40	89,0	102,0	89,0	3,20	28,0
3,20	100,0	107,0	100,0	2,80	36,0	6,60	99,0	147,0	99,0	2,33	42,0
3,40	53,0	95,0	53,0	2,33	23,0	6,80	86,0	121,0	86,0	----	----

- PENETROMETRO STATICO tipo PAGANI da 10/20t  
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s  
- punta meccanica tipo Begemann  $\varnothing = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)  
- manicotto laterale (superficie 150 cm<sup>2</sup>)

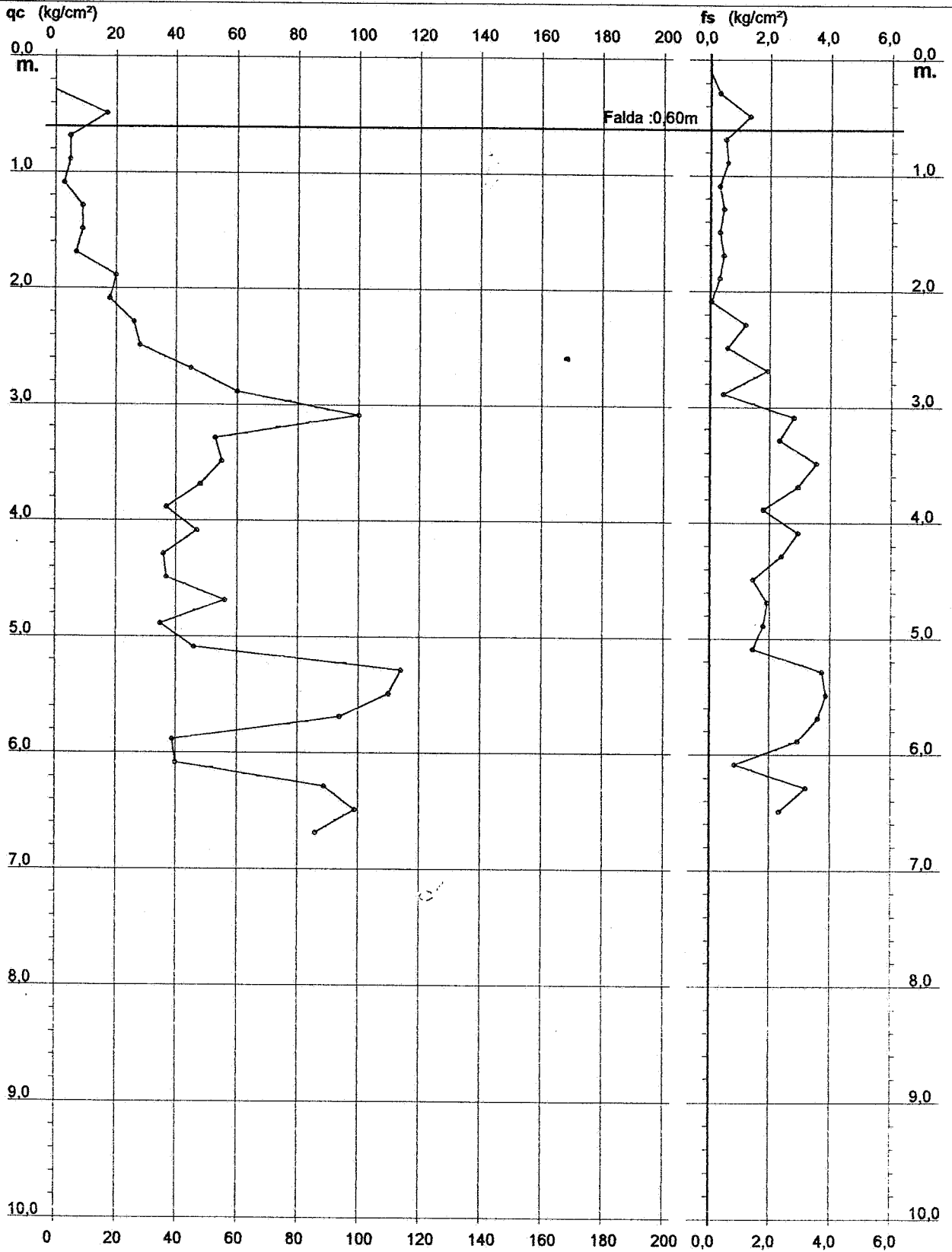
# PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 16N

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Max prof. raggiunta prima del disancoramento.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 0,60 m da quota inizio  
- scala vert.: 1 : 50



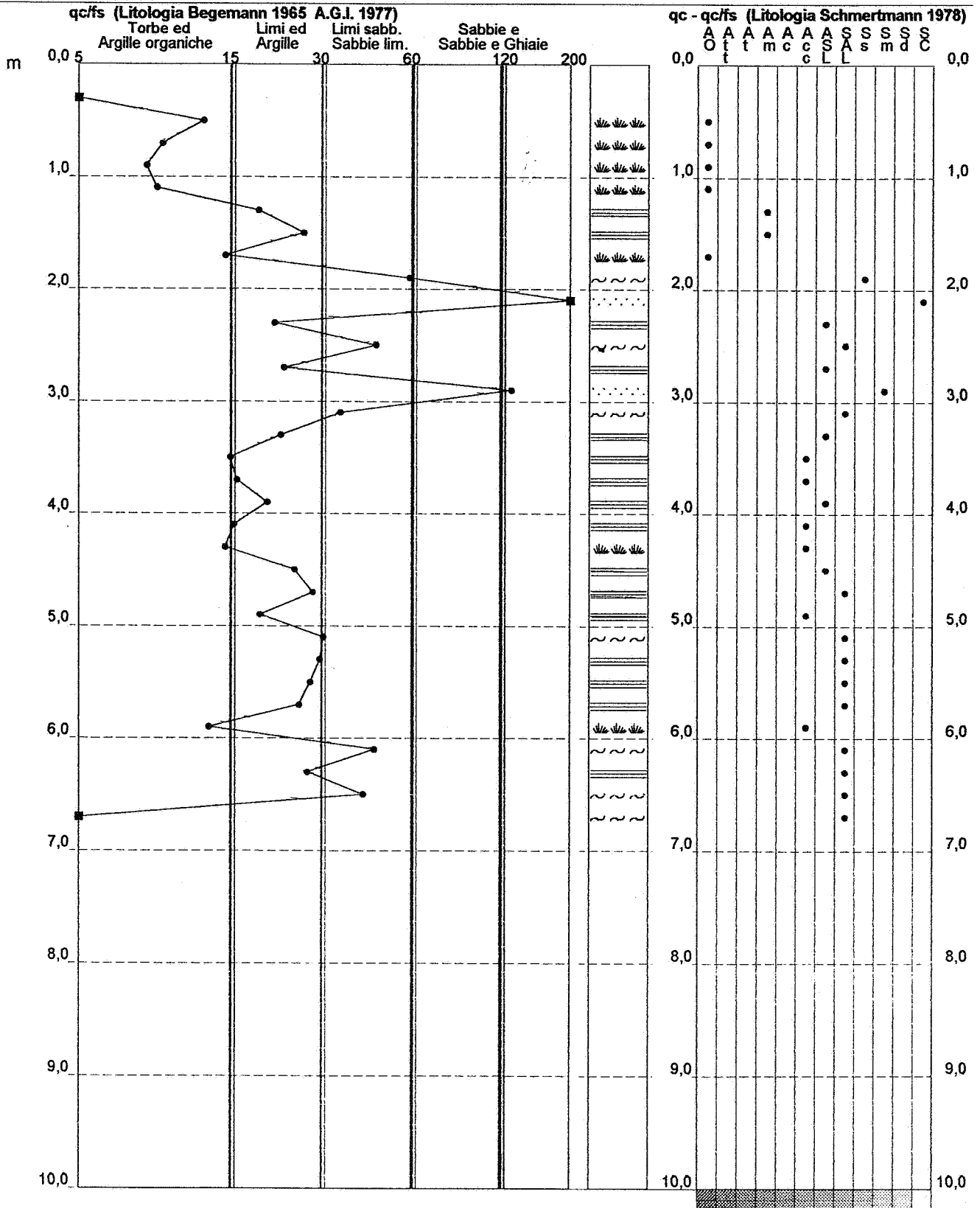
**PROVA PENETROMETRICA STATICA**  
**VALUTAZIONI LITOLOGICHE**

**CPT 16N**

2.01PG05-027

- committente : Autostrada A22  
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- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 0,60 m da quota inizio  
- scala vert.: 1 : 50



**PROVA PENETROMETRICA STATICA**  
**TABELLA PARAMETRI GEOTECNICI**

**CPT 16N**

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Max prof. raggiunta prima del disancoramento.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : 0,60 m da quota inizio  
- pagina : 1

Prof. m	qc kg/cm <sup>2</sup>	qc/fs (-)	Natura Litol.	Y 1/m <sup>3</sup>	d'vo kg/cm <sup>2</sup>	Cu kg/cm <sup>2</sup>	OCR (-)	Eu50 kg/cm <sup>2</sup>	Eu25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	Dr %	NATURA GRANULARE				edm (°)	emy (°)	Amax/g (-)	E'50 kg/cm <sup>2</sup>	E'25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	
												ø1s (°)	ø2s (°)	ø3s (°)	ø4s (°)							
0,20	-	-	???	1,85	0,04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0,40	-	-	???	1,85	0,07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0,60	17	13	2III	0,97	0,09	0,72	81,1	123	184	54	-	-	-	-	-	-	-	-	-	-	-	-
0,80	5	9	1***	0,46	0,10	0,25	19,1	10	15	8	-	-	-	-	-	-	-	-	-	-	-	-
1,00	5	8	1***	0,46	0,11	0,25	17,2	10	15	8	-	-	-	-	-	-	-	-	-	-	-	-
1,20	3	9	1***	0,46	0,12	0,15	8,2	7	10	5	-	-	-	-	-	-	-	-	-	-	-	-
1,40	9	19	2III	0,88	0,14	0,45	27,4	77	115	38	-	-	-	-	-	-	-	-	-	-	-	-
1,60	9	27	2III	0,88	0,16	0,45	23,6	77	115	38	-	-	-	-	-	-	-	-	-	-	-	-
1,80	7	15	1***	0,46	0,17	0,35	16,0	14	21	11	-	-	-	-	-	-	-	-	-	-	-	-
2,00	20	60	4f:	0,93	0,18	0,80	39,4	136	204	60	58	36	38	40	43	37	27	0,125	33	50	60	-
2,20	18	270	4f:	0,91	0,20	0,75	32,3	128	191	56	52	35	37	40	42	36	27	0,109	30	45	54	-
2,40	26	22	4f:	0,95	0,22	0,93	37,7	158	237	78	63	37	39	41	43	38	28	0,137	43	65	78	-
2,60	28	47	3:::	0,87	0,24	-	-	-	-	-	63	37	39	41	43	38	28	0,139	47	70	84	-
2,80	45	23	4f:	1,00	0,26	1,50	56,5	255	383	135	78	39	41	42	44	40	31	0,182	75	113	135	-
3,00	60	129	3:::	0,93	0,28	-	-	-	-	-	86	40	42	43	45	40	32	0,209	100	150	180	-
3,20	100	36	3:::	1,00	0,30	-	-	-	-	-	100	42	43	45	46	42	34	0,258	167	250	300	-
3,40	53	23	4f:	1,01	0,32	1,77	53,7	300	451	159	78	39	41	42	44	39	31	0,184	88	133	159	-
3,60	55	16	4f:	1,01	0,34	1,83	52,0	312	467	165	78	39	41	42	44	39	31	0,183	92	138	165	-
3,80	48	16	4f:	1,01	0,36	1,60	40,8	272	408	144	72	38	40	42	44	38	31	0,165	80	120	144	-
4,00	37	21	4f:	0,99	0,38	1,23	27,6	210	315	111	62	37	39	41	43	37	30	0,135	62	93	111	-
4,20	47	16	4f:	1,01	0,40	1,57	34,8	266	400	141	69	38	39	41	43	38	31	0,155	78	118	141	-
4,40	36	15	4f:	0,99	0,42	1,20	23,5	204	306	108	58	36	38	40	43	36	30	0,125	60	90	108	-
4,60	37	25	4f:	0,99	0,44	1,23	23,0	210	315	111	58	36	38	40	43	36	30	0,125	62	93	111	-
4,80	56	29	4f:	1,01	0,46	1,87	36,4	317	476	168	71	38	40	42	44	38	31	0,163	93	140	168	-
5,00	35	19	4f:	0,98	0,48	1,17	19,2	198	298	105	54	36	38	40	42	35	29	0,114	58	88	105	-
5,20	46	31	3:::	0,91	0,50	-	-	-	-	-	62	37	39	41	43	37	31	0,137	77	115	138	-
5,40	114	31	3:::	1,02	0,52	-	-	-	-	-	93	41	42	44	45	41	34	0,232	190	285	342	-
5,60	110	28	4f:	1,06	0,54	3,67	69,3	623	935	330	90	41	42	44	45	40	34	0,225	183	275	330	-
5,80	94	26	4f:	1,05	0,56	3,13	54,3	533	799	282	84	40	41	43	45	39	34	0,203	157	235	282	-
6,00	39	13	4f:	1,00	0,58	1,30	17,3	221	332	117	53	35	38	40	42	35	30	0,112	65	98	117	-
6,20	40	46	3:::	0,90	0,60	-	-	-	-	-	53	35	38	40	42	35	30	0,112	67	100	120	-
6,40	89	28	4f:	1,04	0,62	2,97	44,7	504	757	267	80	39	41	43	44	39	33	0,189	148	223	267	-
6,60	99	42	3:::	1,00	0,64	-	-	-	-	-	83	40	41	43	45	39	34	0,199	165	248	297	-
6,80	86	-	3:::	0,98	0,66	-	-	-	-	-	77	39	41	42	44	38	33	0,181	143	215	258	-

**PROVA PENETROMETRICA STATICA**

**CPT 19S**

**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

2.01PG05.027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- pagina : 1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	----	---	4,80	8,0	14,0	8,0	0,53	15,0
0,40	---	---	--	1,20	---	5,00	8,0	16,0	8,0	0,27	30,0
0,60	60,0	78,0	60,0	0,93	64,0	5,20	8,0	12,0	8,0	0,20	40,0
0,80	66,0	80,0	66,0	1,20	55,0	5,40	14,0	17,0	14,0	0,93	15,0
1,00	62,0	80,0	62,0	1,33	46,0	5,60	15,0	29,0	15,0	0,33	45,0
1,20	40,0	60,0	40,0	2,13	19,0	5,80	20,0	25,0	20,0	0,80	25,0
1,40	22,0	54,0	22,0	1,07	21,0	6,00	6,0	18,0	6,0	0,20	30,0
1,60	25,0	41,0	25,0	0,13	187,0	6,20	9,0	12,0	9,0	0,80	11,0
1,80	39,0	41,0	39,0	0,93	42,0	6,40	12,0	24,0	12,0	0,93	13,0
2,00	25,0	39,0	25,0	0,87	29,0	6,60	28,0	42,0	28,0	0,53	52,0
2,20	10,0	23,0	10,0	0,53	19,0	6,80	33,0	41,0	33,0	1,00	33,0
2,40	12,0	20,0	12,0	0,47	26,0	7,00	7,0	22,0	7,0	0,60	12,0
2,60	12,0	19,0	12,0	0,40	30,0	7,20	4,0	13,0	4,0	0,73	5,0
2,80	10,0	16,0	10,0	0,53	19,0	7,40	17,0	28,0	17,0	0,53	32,0
3,00	8,0	16,0	8,0	0,53	15,0	7,60	35,0	43,0	35,0	0,80	44,0
3,20	7,0	15,0	7,0	0,53	13,0	7,80	34,0	46,0	34,0	0,73	46,0
3,40	10,0	18,0	10,0	0,67	15,0	8,00	28,0	39,0	28,0	2,13	13,0
3,60	8,0	18,0	8,0	0,33	24,0	8,20	13,0	45,0	13,0	0,80	16,0
3,80	8,0	13,0	8,0	0,60	13,0	8,40	38,0	50,0	38,0	0,73	52,0
4,00	13,0	22,0	13,0	0,60	22,0	8,60	62,0	73,0	62,0	2,13	29,0
4,20	12,0	21,0	12,0	0,40	30,0	8,80	94,0	126,0	94,0	1,33	70,0
4,40	9,0	15,0	9,0	0,40	22,0	9,00	102,0	122,0	102,0	---	---
4,60	10,0	16,0	10,0	0,40	25,0						

- PENETROMETRO STATICO tipo PAGANI da 10/20t
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann  $\phi = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)
- manicotto laterale (superficie 150 cm<sup>2</sup>)

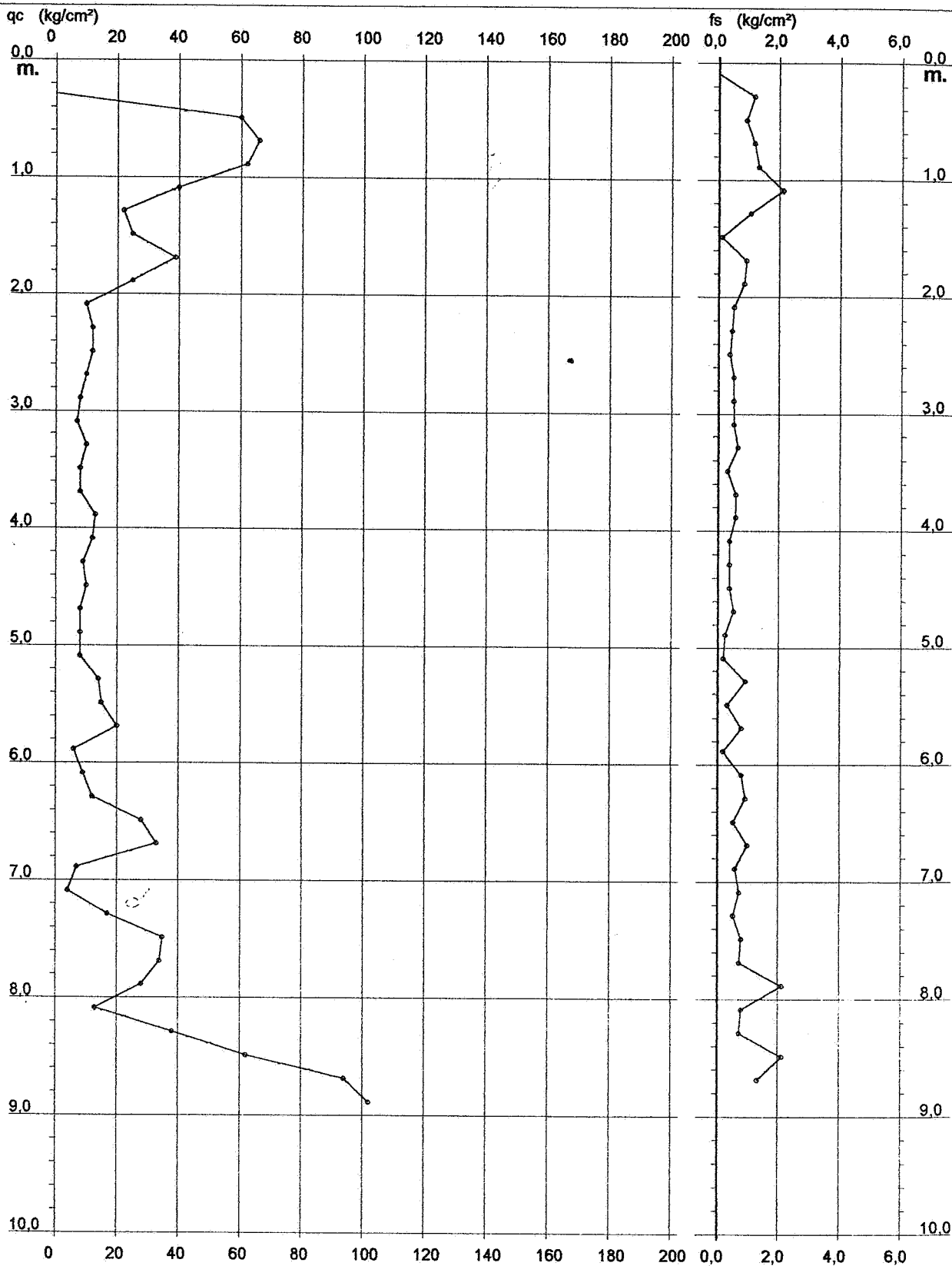
# PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 19S

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50





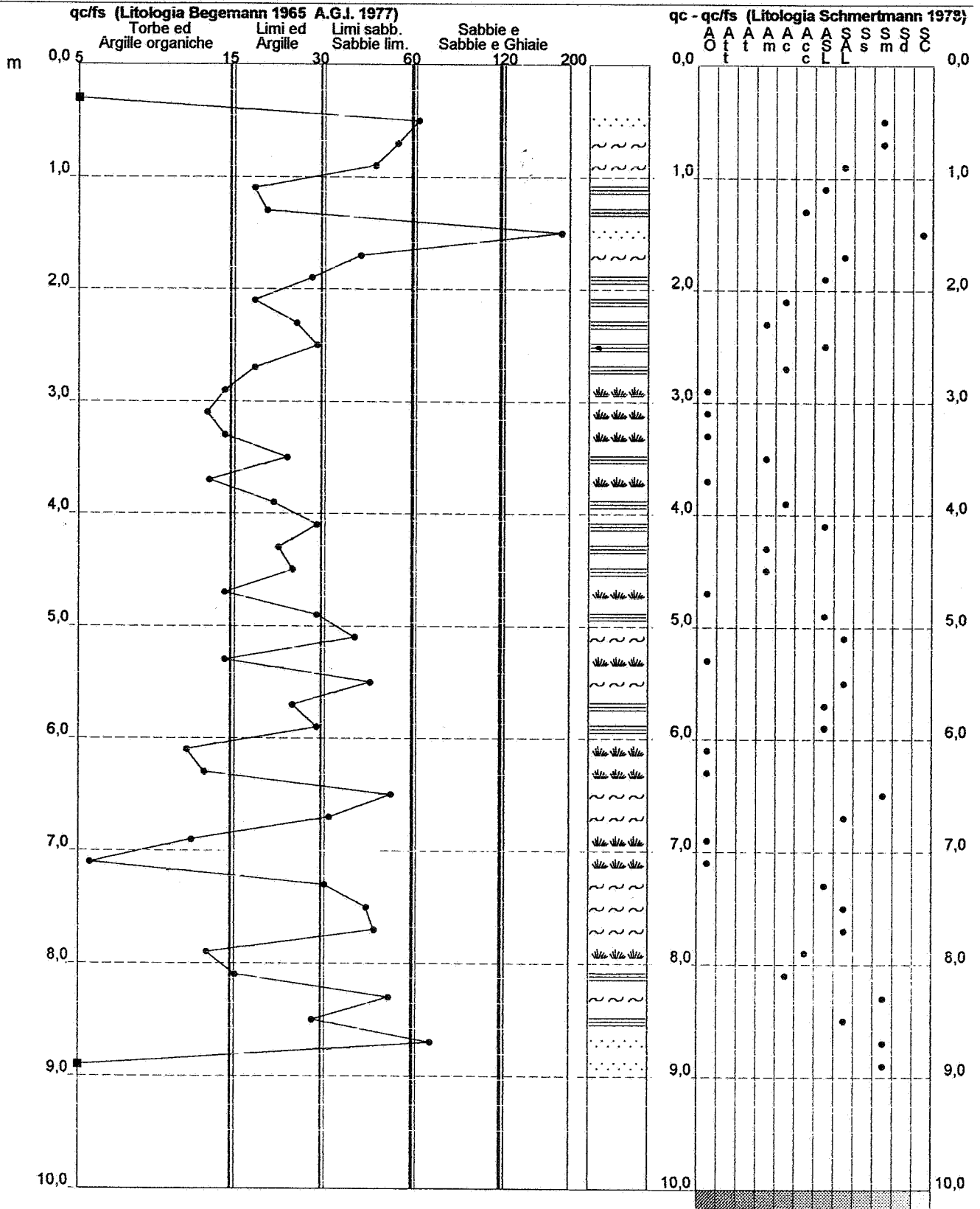
**PROVA PENETROMETRICA STATICA  
VALUTAZIONI LITOLOGICHE**

**CPT 19S**

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50



**PROVA PENETROMETRICA STATICA**  
**TABELLA PARAMETRI GEOTECNICI**

**CPT 19S**

2.01PG05-027

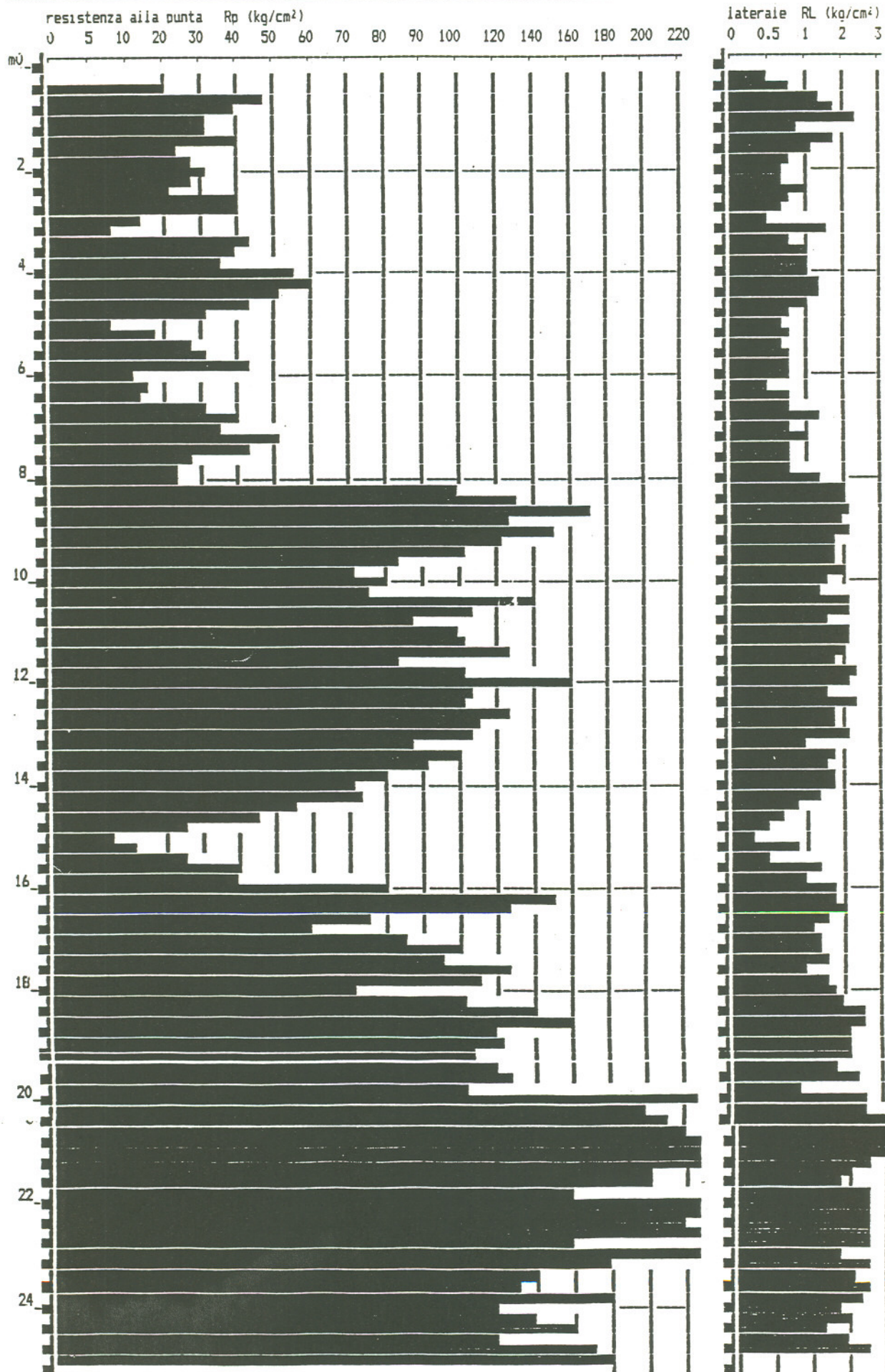
- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Nogarole Rocca - Pegognaga  
- note : Pareti foro crollate ad estrazione aste.

- data : 05/07/1901  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- pagina : 1

NATURA COESIVA											NATURA GRANULARE											
Prof. m	qc kg/cm <sup>2</sup>	qc/fs (-)	Natura Litol.	Y' t/m <sup>2</sup>	d'vo kg/cm <sup>2</sup>	Cu kg/cm <sup>2</sup>	OCR (-)	Eu50 kg/cm <sup>2</sup>	Eu25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	Dr %	σ1s (°)	σ2s (°)	σ3s (°)	σ4s (°)	σdm (°)	σmy (°)	Amax/g (-)	E'50 kg/cm <sup>2</sup>	E'25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	
0,20	--	--	???	1,85	0,04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0,40	--	--	???	1,85	0,07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0,60	60	64	3:~	1,85	0,11	--	--	--	--	--	100	42	43	45	46	44	32	0,258	100	150	180	
0,80	66	55	3:~	1,85	0,15	--	--	--	--	--	100	42	43	45	46	43	32	0,258	110	165	198	
1,00	62	46	3:~	1,85	0,19	--	--	--	--	--	97	42	43	44	46	42	32	0,247	103	155	186	
1,20	40	19	4:~	1,85	0,22	1,33	59,0	227	340	120	77	39	41	42	44	40	30	0,181	67	100	120	
1,40	22	21	4:~	1,85	0,26	0,85	27,6	144	216	66	53	35	38	40	42	36	28	0,111	37	55	66	
1,60	25	187	3:~	1,85	0,30	--	--	--	--	--	54	36	38	40	42	36	28	0,114	42	63	75	
1,80	39	42	3:~	1,85	0,33	--	--	--	--	--	66	37	39	41	43	38	30	0,149	65	98	117	
2,00	25	29	4:~	1,85	0,37	0,91	19,3	155	232	75	49	35	37	39	42	35	28	0,100	42	63	75	
2,20	10	19	2:~	1,85	0,41	0,50	8,1	97	146	40	--	--	--	--	--	--	--	--	--	--	--	
2,40	12	26	2:~	1,85	0,44	0,57	8,6	105	158	45	--	--	--	--	--	--	--	--	--	--	--	
2,60	12	30	4:~	1,85	0,48	0,57	7,8	116	175	45	17	30	33	36	39	29	26	0,032	20	30	36	
2,80	10	19	2:~	1,85	0,52	0,50	6,0	137	206	40	--	--	--	--	--	--	--	--	--	--	--	
3,00	8	15	2:~	1,85	0,55	0,40	4,2	155	232	35	--	--	--	--	--	--	--	--	--	--	--	
3,20	7	13	1:~	1,85	0,59	0,35	3,3	33	49	11	--	--	--	--	--	--	--	--	--	--	--	
3,40	10	15	2:~	1,85	0,63	0,50	4,7	175	262	40	--	--	--	--	--	--	--	--	--	--	--	
3,60	8	24	2:~	1,85	0,67	0,40	3,3	187	280	35	--	--	--	--	--	--	--	--	--	--	--	
3,80	8	13	2:~	1,85	0,70	0,40	3,1	194	291	35	--	--	--	--	--	--	--	--	--	--	--	
4,00	13	22	2:~	1,85	0,74	0,60	4,9	205	307	47	--	--	--	--	--	--	--	--	--	--	--	
4,20	12	30	4:~	1,85	0,78	0,57	4,3	217	326	45	5	29	32	35	38	27	26	0,013	20	30	36	
4,40	9	22	2:~	1,85	0,81	0,45	3,0	222	333	38	--	--	--	--	--	--	--	--	--	--	--	
4,60	10	25	2:~	1,85	0,85	0,50	3,2	237	356	40	--	--	--	--	--	--	--	--	--	--	--	
4,80	8	15	2:~	1,85	0,89	0,40	2,3	217	325	35	--	--	--	--	--	--	--	--	--	--	--	
5,00	8	30	4:~	1,85	0,93	0,40	2,2	219	329	35	--	28	31	35	38	25	26	--	13	20	24	
5,20	8	40	4:~	1,85	0,96	0,40	2,1	222	333	35	--	28	31	35	38	25	26	--	13	20	24	
5,40	14	15	2:~	1,85	1,00	0,64	3,6	282	423	48	--	--	--	--	--	--	--	--	--	--	--	
5,60	15	45	4:~	1,85	1,04	0,67	3,6	293	439	50	6	29	32	35	38	26	27	0,014	25	38	45	
5,80	20	25	4:~	1,85	1,07	0,80	4,3	300	449	60	15	30	33	36	39	28	27	0,029	33	50	60	
6,00	6	30	4:~	1,85	1,11	0,30	1,2	178	267	29	--	28	31	35	38	25	26	--	10	15	18	
6,20	9	11	2:~	1,85	1,15	0,45	1,9	253	380	38	--	--	--	--	--	--	--	--	--	--	--	
6,40	12	13	2:~	1,85	1,18	0,57	2,5	302	453	45	--	--	--	--	--	--	--	--	--	--	--	
6,60	28	52	3:~	1,85	1,22	--	--	--	--	--	23	31	34	37	40	29	28	0,044	47	70	84	
6,80	33	33	3:~	1,85	1,26	--	--	--	--	--	28	32	35	37	40	30	29	0,054	55	83	99	
7,00	7	12	1:~	1,85	1,30	0,35	1,2	45	68	11	--	--	--	--	--	--	--	--	--	--	--	
7,20	4	5	1:~	1,85	1,33	0,20	0,6	26	39	6	--	--	--	--	--	--	--	--	--	--	--	
7,40	17	32	4:~	1,85	1,37	0,72	2,8	367	550	54	3	28	32	35	38	25	27	0,009	28	43	51	
7,60	35	44	3:~	1,85	1,41	--	--	--	--	--	28	32	35	37	40	29	29	0,053	58	88	105	
7,80	34	46	3:~	1,85	1,44	--	--	--	--	--	26	32	34	37	40	29	29	0,050	57	85	102	
8,00	28	13	4:~	1,85	1,48	0,97	3,7	418	627	84	19	31	33	36	39	28	28	0,036	47	70	84	
8,20	13	16	2:~	1,85	1,52	0,60	2,0	339	508	47	--	--	--	--	--	--	--	--	--	--	--	
8,40	38	52	3:~	1,85	1,55	--	--	--	--	--	28	32	35	37	40	29	30	0,054	63	95	114	
8,60	62	29	4:~	1,85	1,59	2,07	8,7	377	565	188	44	34	37	39	42	32	32	0,090	103	155	186	
8,80	94	70	3:~	1,85	1,63	--	--	--	--	--	58	36	38	40	43	34	34	0,125	157	235	282	
9,00	102	--	3:~	1,85	1,66	--	--	--	--	--	60	36	38	41	43	34	34	0,131	170	255	306	

PENETROMETRO STATICO tipo GOUDA da 10 t  
Committente : SEPI S.P.A.  
Località : CASELLO AUTOSTRADALE DI PEOGNAGA (MN)

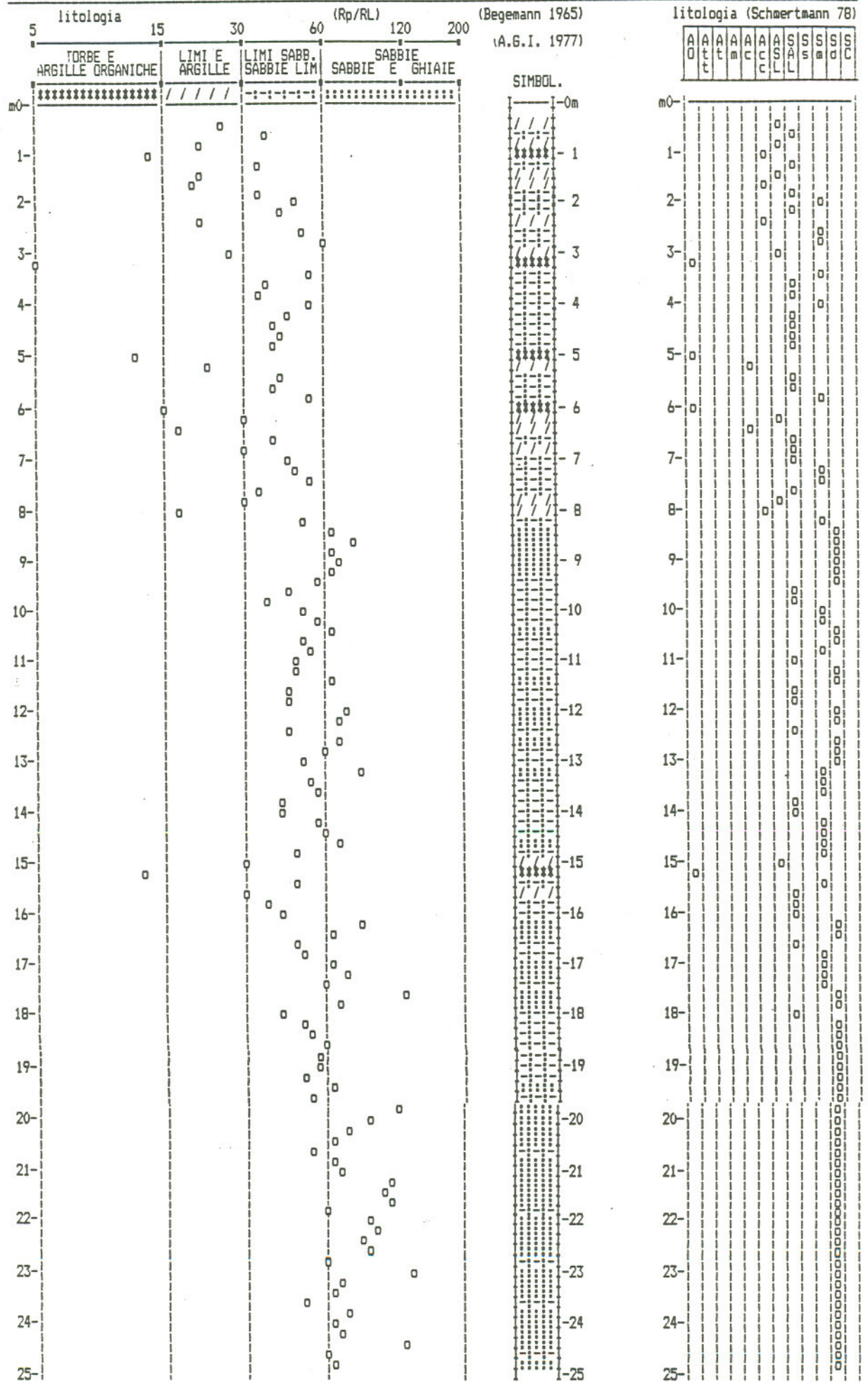
data : 26/7/1993  
quota inizio : PIANO CAMPAGNA  
prof. falda = 3.50 m da quota inizio  
scala profondità  $\approx$  1 : 100



**PROVA PENETROMETRICA STATICA CPT 1**  
**VALUTAZIONI LITOLOGICHE RZ-6P-89**

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADALE DI PEGOGNAGA (MN)

data : 26/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio  
 scala profondità ≈ 1 : 100



PROVA PENETROMETR. STATICA CPT 1  
 PARAM. GEOTECNICI tabelle RZ-6P-89

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADALE DI PEGOGNAGA (MN)

data : 26/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio

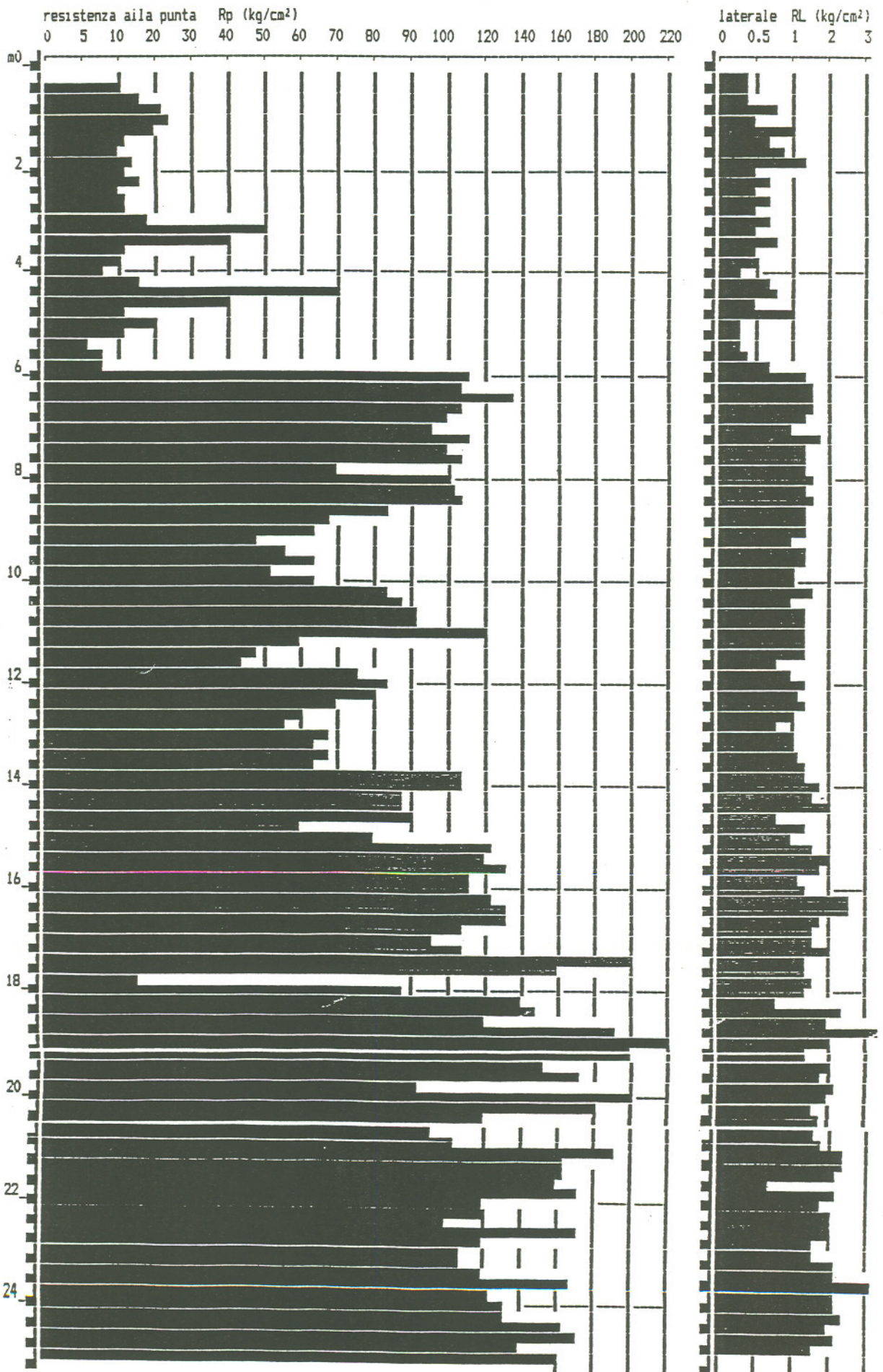
NATURA COESIVA										NATURA GRANULARE											
prof. (m)	Rp kg/cm <sup>2</sup>	Rp/RL (-)	NATURA LITOL.	Y' t/m <sup>3</sup>	r'vo kg/cm <sup>2</sup>	Cu kg/cm <sup>2</sup>	OCR (-)	Eu50 kg/cm <sup>2</sup>	Eu25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	Dr %	#1s (°)	#2s (°)	#3s (°)	#4s (°)	#dm (°)	#my (°)	Amax/g (-)	E'50 kg/cm <sup>2</sup>	E'25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>
0.20	20		41	1.85	0.04	0.80	99.9	136	204	60	80	39	41	43	44	41	27	0.191	33	50	60
0.40	40		31	1.85	0.07	1.33	98.0	227	340	120	100	42	43	45	46	43	31	0.258	80	120	144
0.60	60		41	1.85	0.11	1.07	98.1	181	272	96	74	38	40	42	44	40	27	0.213	67	100	120
1.00	100		31	1.85	0.19	1.11	48.7	227	340	120	70	38	40	42	44	39	29	0.171	53	80	96
1.20	120		31	1.85	0.22	0.7	27.5	144	246	84	73	38	40	42	44	39	29	0.158	53	80	96
1.40	140		41	1.85	0.26	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.170	67	100	120
1.60	160		41	1.85	0.30	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.125	47	70	84
1.80	180		41	1.85	0.35	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.117	47	70	84
2.00	200		41	1.85	0.41	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.123	53	80	96
2.20	220		41	1.85	0.44	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.104	47	70	84
2.40	240		41	1.85	0.48	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.079	37	55	66
2.60	260		41	1.85	0.52	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.126	67	100	120
2.80	280		41	1.85	0.57	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.121	67	100	120
3.00	300		41	1.85	0.59	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.121	67	100	120
3.20	320		41	1.85	0.63	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.117	73	110	132
3.40	340		41	1.85	0.65	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.107	67	100	120
3.60	360		41	1.85	0.66	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.096	60	90	108
3.80	380		41	1.85	0.68	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.134	93	140	168
4.00	400		41	1.85	0.70	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.139	100	150	180
4.20	420		41	1.85	0.72	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.124	87	130	156
4.40	440		41	1.85	0.74	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.107	73	110	132
4.60	460		41	1.85	0.76	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.079	53	80	96
4.80	480		41	1.85	0.77	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.045	47	70	84
5.00	500		41	1.85	0.79	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.074	53	80	96
5.20	520		41	1.85	0.81	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.099	73	110	132
5.40	540		41	1.85	0.83	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.074	53	80	96
5.60	560		41	1.85	0.85	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.024	27	40	48
5.80	580		41	1.85	0.86	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.048	53	80	96
6.00	600		41	1.85	0.88	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.065	67	100	120
6.20	620		41	1.85	0.88	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.075	60	90	108
6.40	640		41	1.85	0.90	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.104	87	130	156
6.60	660		41	1.85	0.92	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.089	73	110	132
6.80	680		41	1.85	0.94	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.054	47	70	84
7.00	700		41	1.85	0.96	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.042	40	40	48
7.20	720		41	1.85	0.98	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.041	40	40	48
7.40	740		41	1.85	0.99	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.160	147	250	300
7.60	760		41	1.85	1.01	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.187	217	325	390
7.80	780		41	1.85	1.01	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.215	283	425	510
8.00	800		41	1.85	1.01	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.182	213	320	384
8.20	820		41	1.85	1.03	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.198	250	375	450
8.40	840		41	1.85	1.03	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.174	207	310	372
8.60	860		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.154	173	260	312
8.80	880		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.134	140	210	252
9.00	900		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.119	120	180	216
9.20	920		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.127	133	200	240
9.40	940		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.117	120	180	216
9.60	960		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.181	233	350	420
9.80	980		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.153	180	270	324
10.00	1000		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.132	147	220	264
10.20	1020		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.143	167	250	300
10.40	1040		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
10.60	1060		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.128	154	230	288
10.80	1080		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.124	140	210	252
11.00	1100		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.143	173	260	312
11.20	1120		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
11.40	1140		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
11.60	1160		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
11.80	1180		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
12.00	1200		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
12.20	1220		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
12.40	1240		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
12.60	1260		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
12.80	1280		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
13.00	1300		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
13.20	1320		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
13.40	1340		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
13.60	1360		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40	42	44	39	29	0.146	173	260	312
13.80	1380		41	1.85	1.04	0.8	14.1	144	216	64	50	38	40								

PROVA PENETROMETR.STATICA CPT 3  
 DIAGRAMMI DI RESISTENZA RZ-GP-89

MN-CPT6

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADALE DI PEGOGNAGA (MN)

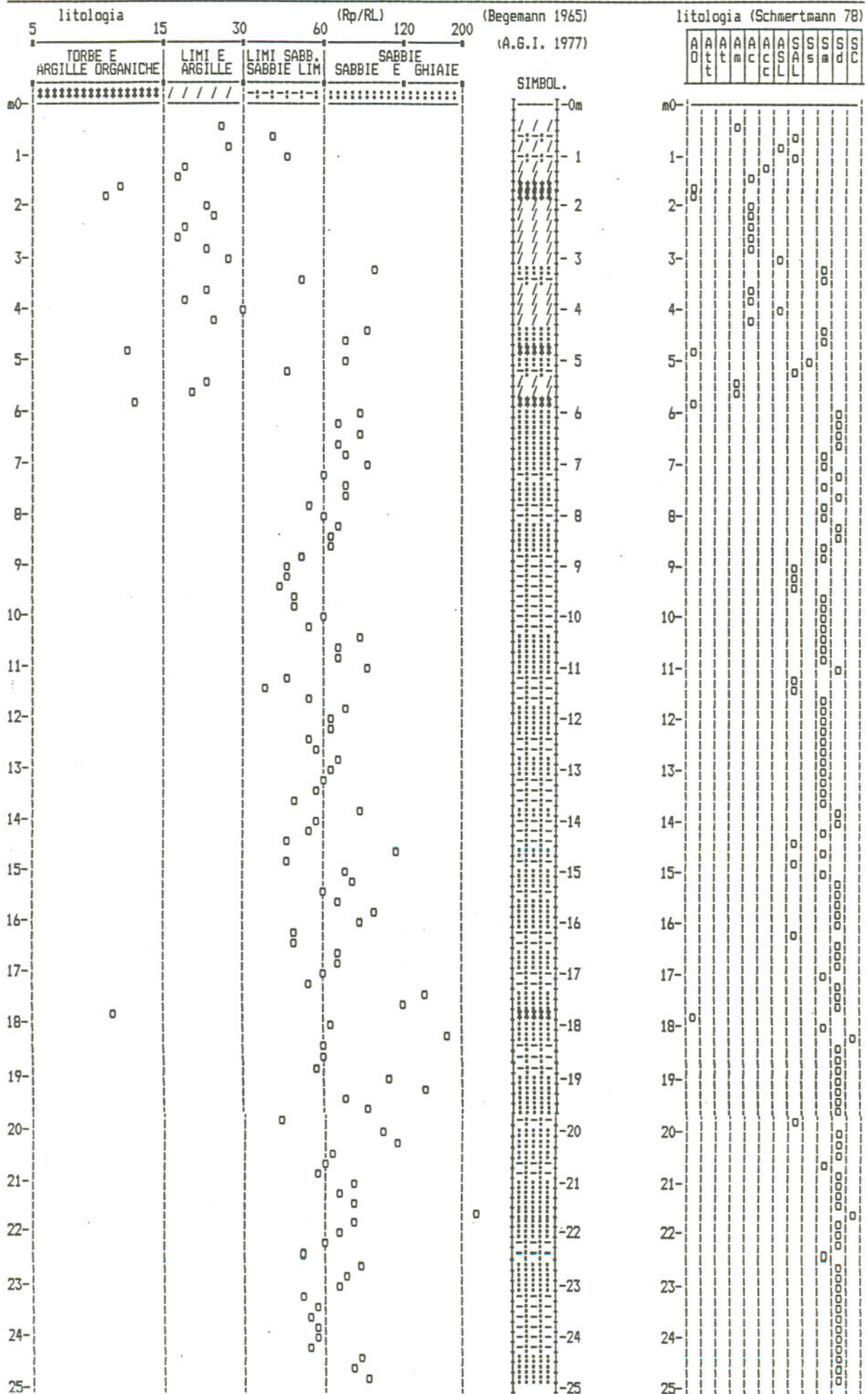
data : 27/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio  
 scala profondità  $\approx$  1 : 100



**PROVA PENETROMETR. STATICA CPT 3**  
**VALUTAZIONI LITOLOGICHE RZ-GP-89**

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADEALE DI PEGOGNAGA (MN)

data : 27/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio  
 scala profondità ≈ 1 : 100



PROVA PENETROMETR. STATICA CPT 3  
 PARAM. GEOTECNICI tabelle RZ-GP-89

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente: SEPI S.P.A.  
 Località: CASELLO AUTOSTRADALE DI PEGOGNAGA (MN)

data: 27/7/1993  
 quota inizio: PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio

NATURA COESIVA										NATURA GRANULARE												
prof. (m)	Rp kg/cm <sup>2</sup>	Rp/RL (-)	NATURA LITOL.	Y' t/m <sup>3</sup>	r'vo kg/cm <sup>2</sup>	Cu kg/cm <sup>2</sup>	OCR (-)	Eu50 kg/cm <sup>2</sup>	Eu25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	Dr %	#1s (°)	#2s (°)	#3s (°)	#4s (°)	#dm (°)	#ny (°)	Amax/g (-)	E'50 kg/cm <sup>2</sup>	E'25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	
0.20	10	-	1 7 1	1.07	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.40	10	-	21///	1.07	0.07	0.50	-	85	128	50	-	-	-	-	-	-	-	-	-	-	-	-
0.60	22	-	41///	1.07	0.11	0.70	-	118	177	85	-	-	-	-	-	-	-	-	0.138	27	46	48
0.80	16	-	41///	1.07	0.15	0.80	-	144	216	100	-	-	-	-	-	-	-	-	0.149	37	58	64
1.00	24	-	31///	1.07	0.19	0.90	-	177	266	125	-	-	-	-	-	-	-	-	0.142	40	72	72
1.20	20	-	21///	1.07	0.24	1.00	-	204	306	150	-	-	-	-	-	-	-	-	0.113	33	86	60
1.40	14	-	21///	1.07	0.30	1.10	-	231	345	175	-	-	-	-	-	-	-	-	-	-	-	-
1.60	10	-	21///	1.07	0.37	1.20	-	258	384	200	-	-	-	-	-	-	-	-	-	-	-	-
1.80	10	-	21///	1.07	0.44	1.30	-	285	423	225	-	-	-	-	-	-	-	-	-	-	-	-
2.00	12	-	21///	1.07	0.48	1.40	-	312	462	250	-	-	-	-	-	-	-	-	-	-	-	-
2.20	12	-	21///	1.07	0.52	1.50	-	339	501	275	-	-	-	-	-	-	-	-	-	-	-	-
2.40	12	-	21///	1.07	0.56	1.60	-	366	540	300	-	-	-	-	-	-	-	-	-	-	-	-
2.60	12	-	21///	1.07	0.59	1.70	-	393	579	325	-	-	-	-	-	-	-	-	-	-	-	-
2.80	12	-	21///	1.07	0.63	1.80	-	420	618	350	-	-	-	-	-	-	-	-	-	-	-	-
3.00	12	-	21///	1.07	0.67	1.90	-	447	657	375	-	-	-	-	-	-	-	-	-	-	-	-
3.20	12	-	21///	1.07	0.71	2.00	-	474	696	400	-	-	-	-	-	-	-	-	-	-	-	-
3.40	12	-	21///	1.07	0.74	2.10	-	501	735	425	-	-	-	-	-	-	-	-	-	-	-	-
3.60	12	-	21///	1.07	0.78	2.20	-	528	774	450	-	-	-	-	-	-	-	-	-	-	-	-
3.80	12	-	21///	1.07	0.82	2.30	-	555	813	475	-	-	-	-	-	-	-	-	-	-	-	-
4.00	12	-	21///	1.07	0.86	2.40	-	582	852	500	-	-	-	-	-	-	-	-	-	-	-	-
4.20	10	-	21///	1.07	0.90	2.50	-	609	891	525	-	-	-	-	-	-	-	-	-	-	-	-
4.40	10	-	21///	1.07	0.94	2.60	-	636	930	550	-	-	-	-	-	-	-	-	-	-	-	-
4.60	10	-	21///	1.07	0.98	2.70	-	663	969	575	-	-	-	-	-	-	-	-	-	-	-	-
4.80	10	-	21///	1.07	1.02	2.80	-	690	1008	600	-	-	-	-	-	-	-	-	-	-	-	-
5.00	10	-	21///	1.07	1.06	2.90	-	717	1047	625	-	-	-	-	-	-	-	-	-	-	-	-
5.20	10	-	21///	1.07	1.10	3.00	-	744	1086	650	-	-	-	-	-	-	-	-	-	-	-	-
5.40	10	-	21///	1.07	1.14	3.10	-	771	1125	675	-	-	-	-	-	-	-	-	-	-	-	-
5.60	10	-	21///	1.07	1.18	3.20	-	798	1164	700	-	-	-	-	-	-	-	-	-	-	-	-
5.80	10	-	21///	1.07	1.22	3.30	-	825	1203	725	-	-	-	-	-	-	-	-	-	-	-	-
6.00	10	-	21///	1.07	1.26	3.40	-	852	1242	750	-	-	-	-	-	-	-	-	-	-	-	-
6.20	10	-	21///	1.07	1.30	3.50	-	879	1281	775	-	-	-	-	-	-	-	-	-	-	-	-
6.40	10	-	21///	1.07	1.34	3.60	-	906	1320	800	-	-	-	-	-	-	-	-	-	-	-	-
6.60	10	-	21///	1.07	1.38	3.70	-	933	1359	825	-	-	-	-	-	-	-	-	-	-	-	-
6.80	10	-	21///	1.07	1.42	3.80	-	960	1398	850	-	-	-	-	-	-	-	-	-	-	-	-
7.00	10	-	21///	1.07	1.46	3.90	-	987	1437	875	-	-	-	-	-	-	-	-	-	-	-	-
7.20	10	-	21///	1.07	1.50	4.00	-	1014	1476	900	-	-	-	-	-	-	-	-	-	-	-	-
7.40	10	-	21///	1.07	1.54	4.10	-	1041	1515	925	-	-	-	-	-	-	-	-	-	-	-	-
7.60	10	-	21///	1.07	1.58	4.20	-	1068	1554	950	-	-	-	-	-	-	-	-	-	-	-	-
7.80	10	-	21///	1.07	1.62	4.30	-	1095	1593	975	-	-	-	-	-	-	-	-	-	-	-	-
8.00	10	-	21///	1.07	1.66	4.40	-	1122	1632	1000	-	-	-	-	-	-	-	-	-	-	-	-
8.20	10	-	21///	1.07	1.70	4.50	-	1149	1671	1025	-	-	-	-	-	-	-	-	-	-	-	-
8.40	10	-	21///	1.07	1.74	4.60	-	1176	1710	1050	-	-	-	-	-	-	-	-	-	-	-	-
8.60	10	-	21///	1.07	1.78	4.70	-	1203	1749	1075	-	-	-	-	-	-	-	-	-	-	-	-
8.80	10	-	21///	1.07	1.82	4.80	-	1230	1788	1100	-	-	-	-	-	-	-	-	-	-	-	-
9.00	10	-	21///	1.07	1.86	4.90	-	1257	1827	1125	-	-	-	-	-	-	-	-	-	-	-	-
9.20	10	-	21///	1.07	1.90	5.00	-	1284	1866	1150	-	-	-	-	-	-	-	-	-	-	-	-
9.40	10	-	21///	1.07	1.94	5.10	-	1311	1905	1175	-	-	-	-	-	-	-	-	-	-	-	-
9.60	10	-	21///	1.07	1.98	5.20	-	1338	1944	1200	-	-	-	-	-	-	-	-	-	-	-	-
9.80	10	-	21///	1.07	2.02	5.30	-	1365	1983	1225	-	-	-	-	-	-	-	-	-	-	-	-
10.00	10	-	21///	1.07	2.06	5.40	-	1392	2022	1250	-	-	-	-	-	-	-	-	-	-	-	-
10.20	10	-	21///	1.07	2.10	5.50	-	1419	2061	1275	-	-	-	-	-	-	-	-	-	-	-	-
10.40	10	-	21///	1.07	2.14	5.60	-	1446	2100	1300	-	-	-	-	-	-	-	-	-	-	-	-
10.60	10	-	21///	1.07	2.18	5.70	-	1473	2139	1325	-	-	-	-	-	-	-	-	-	-	-	-
10.80	10	-	21///	1.07	2.22	5.80	-	1500	2178	1350	-	-	-	-	-	-	-	-	-	-	-	-
11.00	10	-	21///	1.07	2.26	5.90	-	1527	2217	1375	-	-	-	-	-	-	-	-	-	-	-	-
11.20	10	-	21///	1.07	2.30	6.00	-	1554	2256	1400	-	-	-	-	-	-	-	-	-	-	-	-
11.40	10	-	21///	1.07	2.34	6.10	-	1581	2295	1425	-	-	-	-	-	-	-	-	-	-	-	-
11.60	10	-	21///	1.07	2.38	6.20	-	1608	2334	1450	-	-	-	-	-	-	-	-	-	-	-	-
11.80	10	-	21///	1.07	2.42	6.30	-	1635	2373	1475	-	-	-	-	-	-	-	-	-	-	-	-
12.00	10	-	21///	1.07	2.46	6.40	-	1662	2412	1500	-	-	-	-	-	-	-	-	-	-	-	-
12.20	10	-	21///	1.07	2.50	6.50	-	1689	2451	1525	-	-	-	-	-	-	-	-	-	-	-	-
12.40	10	-	21///	1.07	2.54	6.60	-	1716	2490	1550	-	-	-	-	-	-	-	-	-	-	-	-
12.60	10	-	21///	1.07	2.58	6.70	-	1743	2529	1575	-	-	-	-	-	-	-	-	-	-	-	-
12.80	10	-	21///	1.07	2.62	6.80	-	1770	2568	1600	-	-	-	-	-	-	-	-	-	-	-	-
13.00	10	-	21///	1.07	2.66	6.90	-	1797	2607	1625	-	-	-	-	-	-	-	-	-	-	-	-
13.20	10	-	21///	1.07	2.70	7.00	-	1824	2646	1650	-	-	-	-	-	-	-	-	-	-	-	-
13.40	10	-	21///	1.07	2.74	7.10	-	1851	2685	1675	-	-	-	-	-	-	-	-	-	-	-	-
13.60	10	-	21///	1.07	2.78	7.20	-	1878	2724	1700	-	-	-	-	-	-	-	-	-	-	-	-
13.80	10	-	21///	1.07	2.82	7.30	-	1905	2763	1725	-	-	-	-	-	-	-	-	-	-	-	-
14.00	10	-	21///	1.07	2.86	7.40	-	1932	2802	1750	-	-	-	-	-	-	-	-	-	-	-	-
14.20	10	-	21///	1.07	2.90	7.50	-	1959	2841	1775	-	-	-	-	-	-	-	-	-	-	-	-
14.40	10	-	21///	1.07	2.94	7.60	-	1986	2880	1800	-	-	-	-	-	-	-	-	-	-	-	-
14.60	10	-	21///	1.07	2.98	7.70	-	2013	2919	1825	-	-	-	-	-	-	-	-	-	-	-	-
14.80	10	-	21///	1.07	3.02	7.80	-	2040	2958	1850	-	-	-	-	-	-	-	-	-	-	-	-
15.00	10	-	21///	1.07	3.06	7.90	-	2067	2997	1875	-	-	-	-	-	-	-	-	-	-	-	-
15.20	10	-	21///	1.07	3.10	8.00	-	2094	3036	1900	-	-	-	-	-	-	-	-	-	-	-	-
15.40	10	-	21///	1.07	3.14	8.10	-	2121	3075	1925	-	-	-	-	-	-	-	-	-	-	-	-
15.60	10	-	21///	1.07																		

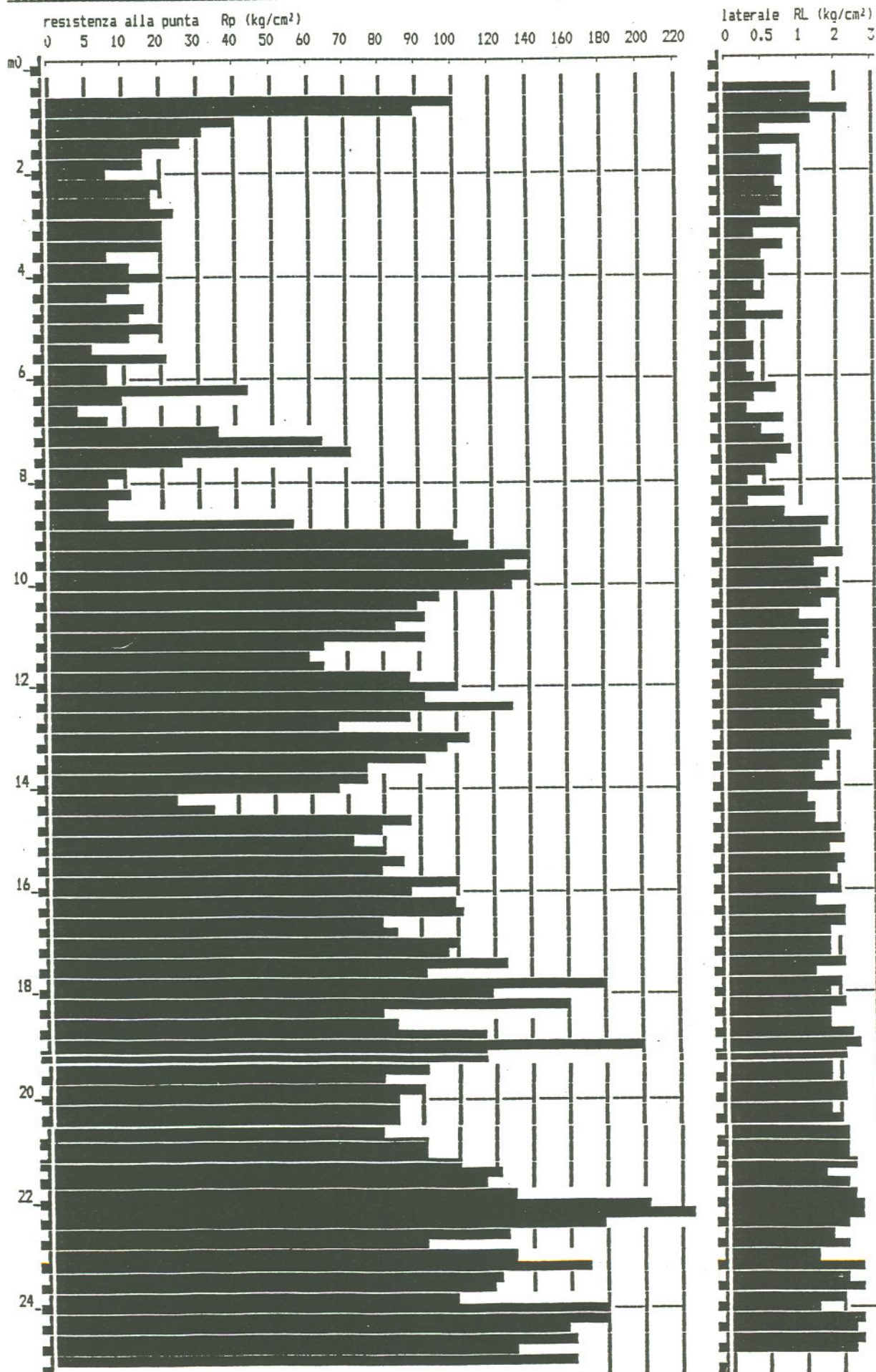


PROVA PENETROMETR. STATICA CPT 2  
 DIAGRAMMI DI RESISTENZA RZ-GP-89

MN-CPT7

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADALE DI PEGOGNAGA (MN)

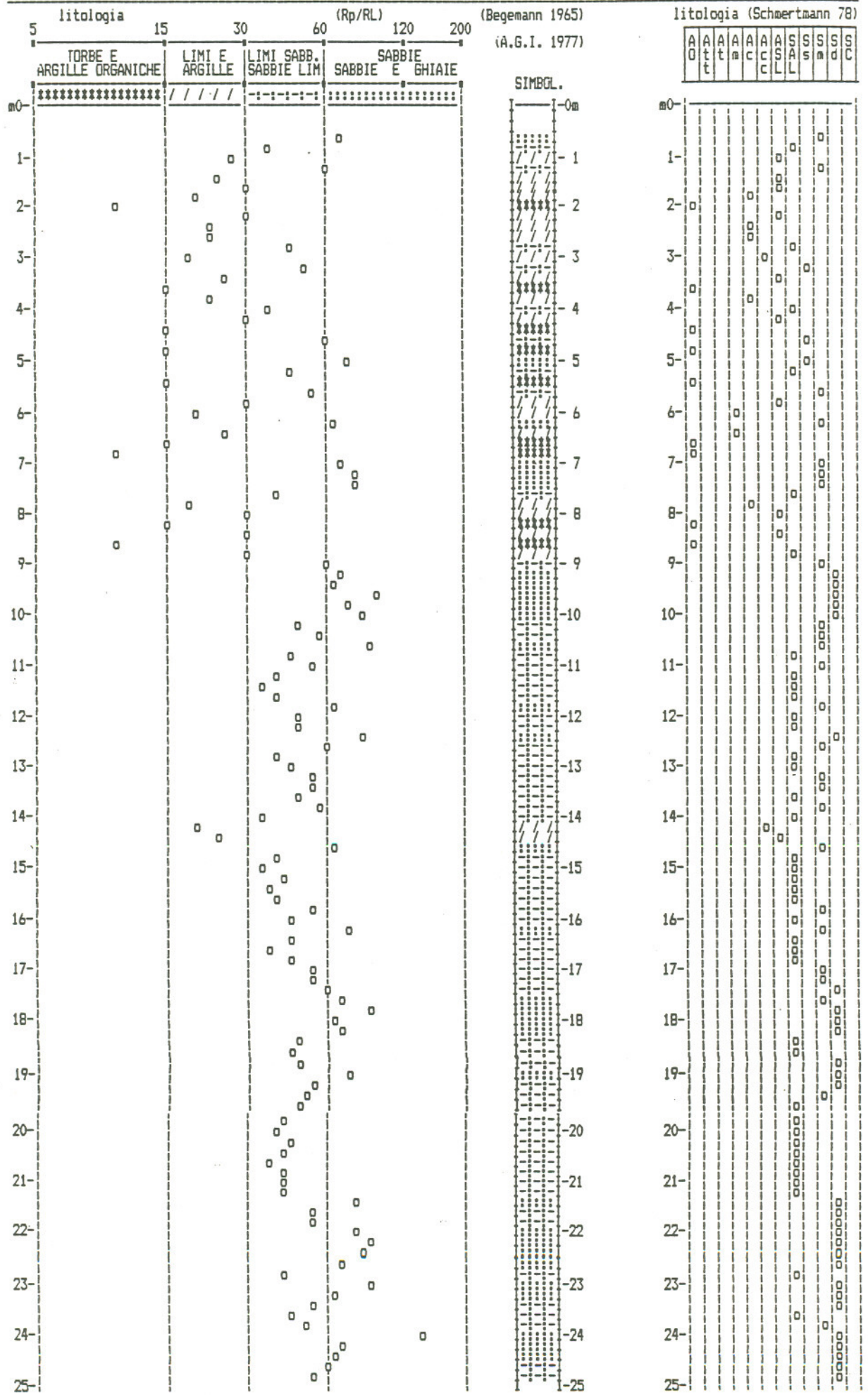
data : 26/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio  
 scala profondità ≈ 1 : 100



**PROVA PENETROMETR. STATICA CPT 2**  
**VALUTAZIONI LITOLOGICHE RZ-GP-89**

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente : SEPI S.P.A.  
 Località : CASELLO AUTOSTRADE DI PEGOGNAGA (MN)

data : 26/7/1993  
 quota inizio : PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio  
 scala profondità ≈ 1 : 100



PROVA PENETROMETR. STATICA CPT 2  
 PARAM. GEOTECNICI tabelle RZ-GP-89

PENETROMETRO STATICO tipo GOUDA da 10 t  
 Committente: SEPI S.P.A.  
 Località: CASELLO AUTOSTRADEALE DI PEGOGNAGA (MN)

data: 26/7/1993  
 quota inizio: PIANO CAMPAGNA  
 prof. falda = 3.50 m da quota inizio

NATURA COESIVA

NATURA GRANULARE

prof. (m)	Rp kg/cm <sup>2</sup>	Rp/RL (-)	NATURA LITOL.	Y' t/m <sup>3</sup>	r'vo kg/cm <sup>2</sup>	Cu kg/cm <sup>2</sup>	OCR (-)	Eu50 kg/cm <sup>2</sup>	Eu25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	Dr %	#1s (°)	#2s (°)	#3s (°)	#4s (°)	#dm (°)	#my (°)	Amax/g (-)	E'50 kg/cm <sup>2</sup>	E'25 kg/cm <sup>2</sup>	Mo kg/cm <sup>2</sup>	
0.20			1 7	1.85	0.04																	
0.40			1 7	1.85	0.07																	
0.60	100		31	1.85	0.11						100	42	43	43	43	43	43	0.258	167	290	300	
0.80	40		31	1.85	0.15	1.33	74.1	227	340	120	82	42	43	43	43	43	43	0.258	150	225	270	
1.00	32		31	1.85	0.22						70	38	39	39	39	39	39	0.258	67	100	120	
1.20	24		41	1.85	0.24			158	237		59	36	36	36	36	36	36	0.258	57	80	96	
1.40	16		41	1.85	0.30	0.70	31.0	118	177	15.3	39	36	36	36	36	36	36	0.127	43	65	78	
1.60	16		21	1.85	0.33	0.70	15.8	118	177	15.8								0.077	27	40	48	
1.80	18		41	1.85	0.37	0.40	14.4	93	140	4.9												
2.00	20		41	1.85	0.41	0.80	12.1	136	204		39	33	33	33	33	33	33	0.077	33	50	60	
2.20	18		21	1.85	0.44	0.75	10.9	128	191													
2.40	24		31	1.85	0.52																	
2.60	24		41	1.85	0.56	0.80	9.9	136	204	60	31	33	33	33	33	33	33	0.077	40	60	72	
2.80	20		41	1.85	0.59	0.80	9.1	141	211		29	33	33	33	33	33	33	0.060	33	50	60	
3.00	20		41	1.85	0.63	0.80	8.5	149	224		28	33	33	33	33	33	33	0.057	33	50	60	
3.20	18		41	1.85	0.65	0.40	7.4	182	273													
3.40	18		21	1.85	0.72	0.37	6.6	182	273													
3.60	20		41	1.85	0.77	0.80	5.9	144	249		26	32	32	32	32	32	32	0.050	33	50	60	
3.80	24		41	1.85	0.88	0.57	4.9	194	291		8	29	32	35	39	27	24	0.017	20	30	36	
4.00	18		21	1.85	0.86	0.40	3.0	197	295													
4.20	12		41	1.85	0.70	0.70	2.7	196	294		16	30	33	34	39	28	27	0.032	27	40	48	
4.40	16		41	1.85	0.74	0.70	2.5	196	294													
4.60	18		41	1.85	0.77	0.40	2.4	316	452		23	31	34	37	40	29	27	0.044	33	50	60	
4.80	20		41	1.85	0.77	0.80	2.2	199	298		5	29	33	35	38	26	26	0.012	20	30	36	
5.00	20		41	1.85	0.79	0.57	2.2	221	331		5	31	34	37	40	29	26	0.012	20	30	36	
5.20	22		11888	0.88	0.80	0.30	1.8	37	55	9												
5.40	22		31	1.85	0.82						25	31	34	37	40	29	26	0.047	37	55	64	
5.60	22		31	1.85	0.84	0.40	1.8	212	318	44	0	28	31	34	37	40	29	0.000	13	20	24	
5.80	22		41	1.85	0.84	0.40	1.8	210	320	44												
6.00	44		21	1.85	0.91	0.80	3.1	244	344	50	47	35	37	39	42	33	31	0.097	71	110	132	
6.20	10		21	1.85	0.89	0.50	2.2	244	344	50												
6.40	8		11888	0.86	0.90	0.20	1.0	26	39	4												
6.60	8		21	1.85	0.91	0.40	0.9	219	328	44												
6.80	8		31	1.85	0.87						39	33	36	38	41	30	30	0.077	60	90	108	
7.00	10		41	1.85	0.90	0.50	2.4	261	391	50	58	33	36	38	41	30	30	0.123	107	160	192	
7.20	10		41	1.85	1.02	0.40	0.9	225	328	44	46	33	36	38	41	30	30	0.050	120	180	216	
7.40	12		21	1.85	0.92	0.57	3.0	283	438	52	24	33	36	38	41	30	30	0.000	43	65	78	
7.60	12		41	1.85	0.94	0.40	1.8	228	341	44												
7.80	10		21	1.85	1.07	0.40	1.8	228	341	44												
8.00	10		41	1.85	1.09	1.87	12.3	317	474	168												
8.20	108		31	1.85	1.11						50	35	37	40	42	33	31	0.104	93	140	168	
8.40	120		31	1.85	1.13						69	38	40	42	44	34	34	0.157	167	250	300	
8.60	140		31	1.85	1.06						72	38	40	42	44	34	34	0.164	180	270	324	
8.80	120		41	1.85	1.18						80	39	41	42	44	34	34	0.179	233	350	420	
9.00	140		41	1.85	1.20						77	39	41	42	44	34	34	0.190	213	320	384	
9.20	132		41	1.85	1.22						77	39	40	42	44	34	34	0.190	233	350	420	
9.40	96		41	1.85	1.24						77	39	40	42	44	34	34	0.180	220	330	396	
9.60	96		41	1.85	1.26						63	37	39	41	43	33	33	0.146	160	240	288	
9.80	84		41	1.85	1.30						63	37	39	41	43	33	33	0.138	150	225	270	
10.00	84		41	1.85	1.32						63	37	39	41	43	33	33	0.139	150	225	270	
10.20	84		41	1.85	1.34						63	37	39	41	43	33	33	0.137	150	225	270	
10.40	84		41	1.85	1.36						63	37	39	41	43	33	33	0.137	150	225	270	
10.60	84		41	1.85	1.38						63	37	39	41	43	33	33	0.137	150	225	270	
10.80	84		41	1.85	1.41						63	37	39	41	43	33	33	0.137	150	225	270	
11.00	84		41	1.85	1.43						63	37	39	41	43	33	33	0.137	150	225	270	
11.20	84		41	1.85	1.45						63	37	39	41	43	33	33	0.137	150	225	270	
11.40	84		41	1.85	1.47						63	37	39	41	43	33	33	0.137	150	225	270	
11.60	84		41	1.85	1.49						63	37	39	41	43	33	33	0.137	150	225	270	
11.80	84		41	1.85	1.51						63	37	39	41	43	33	33	0.137	150	225	270	
12.00	100		41	1.85	1.53						63	37	39	41	43	33	33	0.137	150	225	270	
12.20	130		41	1.85	1.55						63	37	39	41	43	33	33	0.137	150	225	270	
12.40	130		41	1.85	1.57						63	37	39	41	43	33	33	0.137	150	225	270	
12.60	130		41	1.85	1.59						63	37	39	41	43	33	33	0.137	150	225	270	
12.80	130		41	1.85	1.61						63	37	39	41	43	33	33	0.137	150	225	270	
13.00	130		41	1.85	1.63						63	37	39	41	43	33	33	0.137	150	225	270	
13.20	130		41	1.85	1.65						63	37	39	41	43	33	33	0.137	150	225	270	
13.40	130		41	1.85	1.67						63	37	39	41	43	33	33	0.137	150	225	270	
13.60	130		41	1.85	1.69						63	37	39	41	43	33	33	0.137	150	225	270	
13.80	130		41	1.85	1.71						63	37	39	41	43	33	33	0.137	150	225	270	
14.00	130		41	1.85	1.73						63	37	39	41	43	33	33	0.137	150	225	270	
14.20	130		41	1.85	1.75						63	37	39	41	43	33	33	0.137	150	225	270	
14.40	130		41	1.85	1.77						63	37	39	41	43	33	33	0.137	150	225	270	
14.60	130		41	1.85	1.79						63	37	39	41	43	33	33	0.137	150	225	270	
14.80	130		41	1.85	1.81						63	37	39	41	43	33	33	0.137	150	225	270	
15.00	130		41	1.85	1.83						63	37	39	41	43	33	33	0.137	150	225	270	
15.20	130		41	1.85	1.85						63	37	39	41	43	33	33	0.137	150	225	270	
15.40	130		41	1.85	1.87						63	37	39	41	43	33	33	0.137	15			

**PROVA PENETROMETRICA STATICA**  
**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

**CPT 2N**

2.01PG05-027

- committente :	Autostrada A22	- data :	30/12/1899
- lavoro :	Costruzione piazzole sosta di emergenza	- quota inizio :	Piano Campagna
- località :	Pegognaga-Reggiolo Rolo	- prof. falda :	Falda non rilevata
- note :		- pagina :	1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	---	---	4,20	29,0	34,0	44,0	2,10	21,0
0,40	---	---	--	0,40	---	4,40	68,0	89,0	102,0	3,10	33,0
0,60	10,0	14,0	15,0	1,30	12,0	4,60	82,0	113,0	123,0	2,90	42,0
0,80	8,0	21,0	12,0	1,30	9,0	4,80	92,0	121,0	138,0	3,60	38,0
1,00	7,0	20,0	10,0	1,30	8,0	5,00	67,0	103,0	100,0	3,40	29,0
1,20	9,0	22,0	14,0	1,20	12,0	5,20	60,0	94,0	90,0	2,90	31,0
1,40	11,0	23,0	16,0	1,10	15,0	5,40	89,0	118,0	134,0	4,00	34,0
1,60	12,0	23,0	18,0	1,20	15,0	5,60	100,0	140,0	150,0	4,00	38,0
1,80	8,0	20,0	12,0	1,30	9,0	5,80	100,0	140,0	150,0	4,50	33,0
2,00	9,0	22,0	14,0	1,00	14,0	6,00	92,0	137,0	138,0	4,10	34,0
2,20	7,0	17,0	10,0	0,60	17,0	6,20	122,0	163,0	183,0	5,20	35,0
2,40	7,0	13,0	10,0	0,50	20,0	6,40	122,0	174,0	183,0	4,60	40,0
2,60	9,0	14,0	14,0	0,40	35,0	6,60	139,0	185,0	208,0	5,30	39,0
2,80	15,0	19,0	22,0	0,50	44,0	6,80	138,0	191,0	207,0	4,30	48,0
3,00	14,0	19,0	21,0	0,50	42,0	7,00	162,0	205,0	243,0	6,00	40,0
3,20	6,0	11,0	9,0	0,30	30,0	7,20	158,0	218,0	237,0	5,30	45,0
3,40	6,0	9,0	9,0	0,60	15,0	7,40	163,0	216,0	244,0	5,80	42,0
3,60	13,0	19,0	20,0	0,20	100,0	7,60	146,0	204,0	219,0	4,80	46,0
3,80	12,0	14,0	18,0	0,90	20,0	7,80	177,0	225,0	266,0	---	---
4,00	18,0	27,0	27,0	0,50	54,0						

- PENETROMETRO STATICO tipo PAGANI da 10/20t  
 - COSTANTE DI TRASFORMAZIONE Ct = 15 - Velocità Avanzamento punta 2 cm/s  
 - punta meccanica tipo Begemann  $\phi = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)  
 - manicotto laterale (superficie 150 cm<sup>2</sup>)

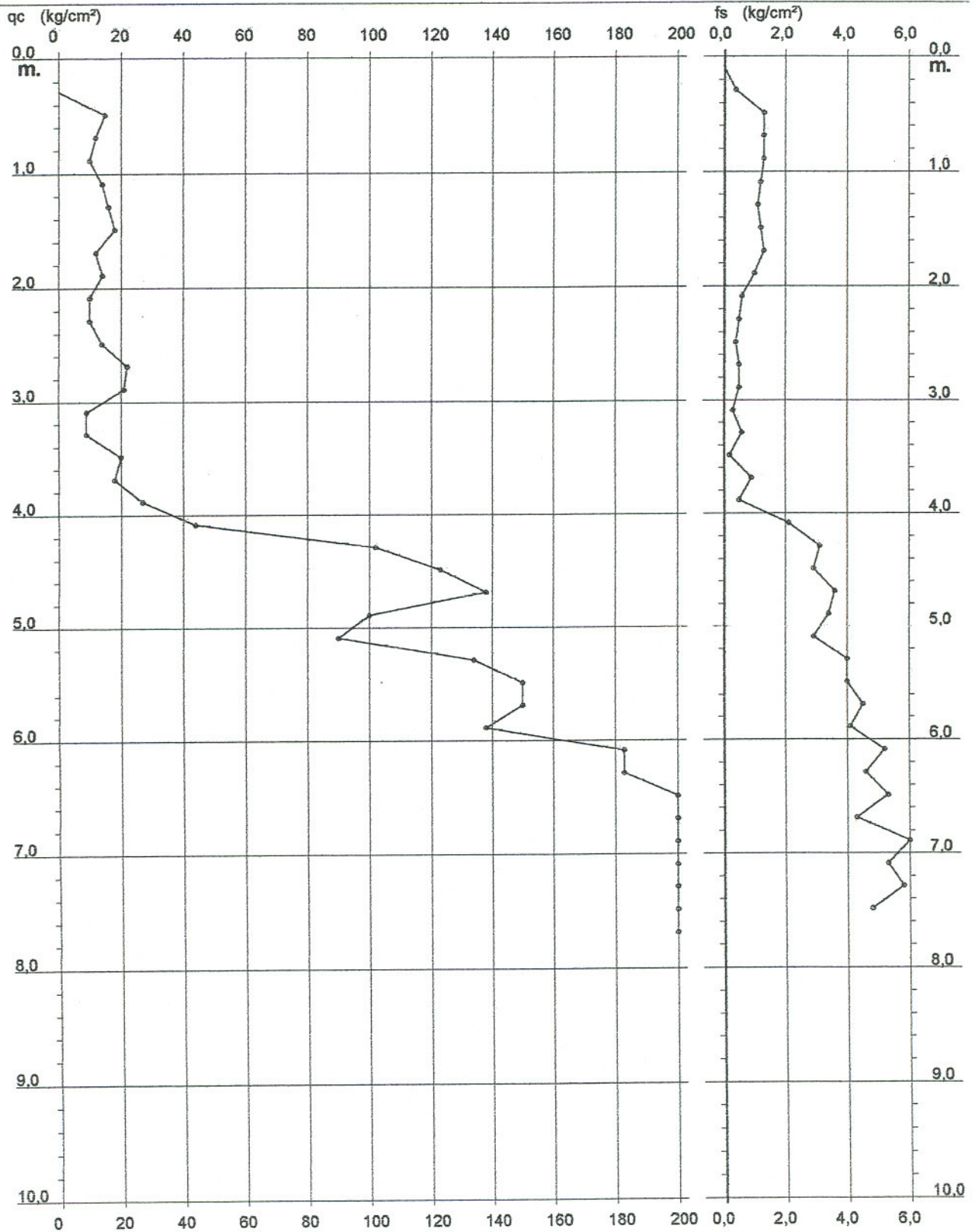
# PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 2N

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Pegognaga-Reggiolo Rolo

- data : 30/12/1899  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50



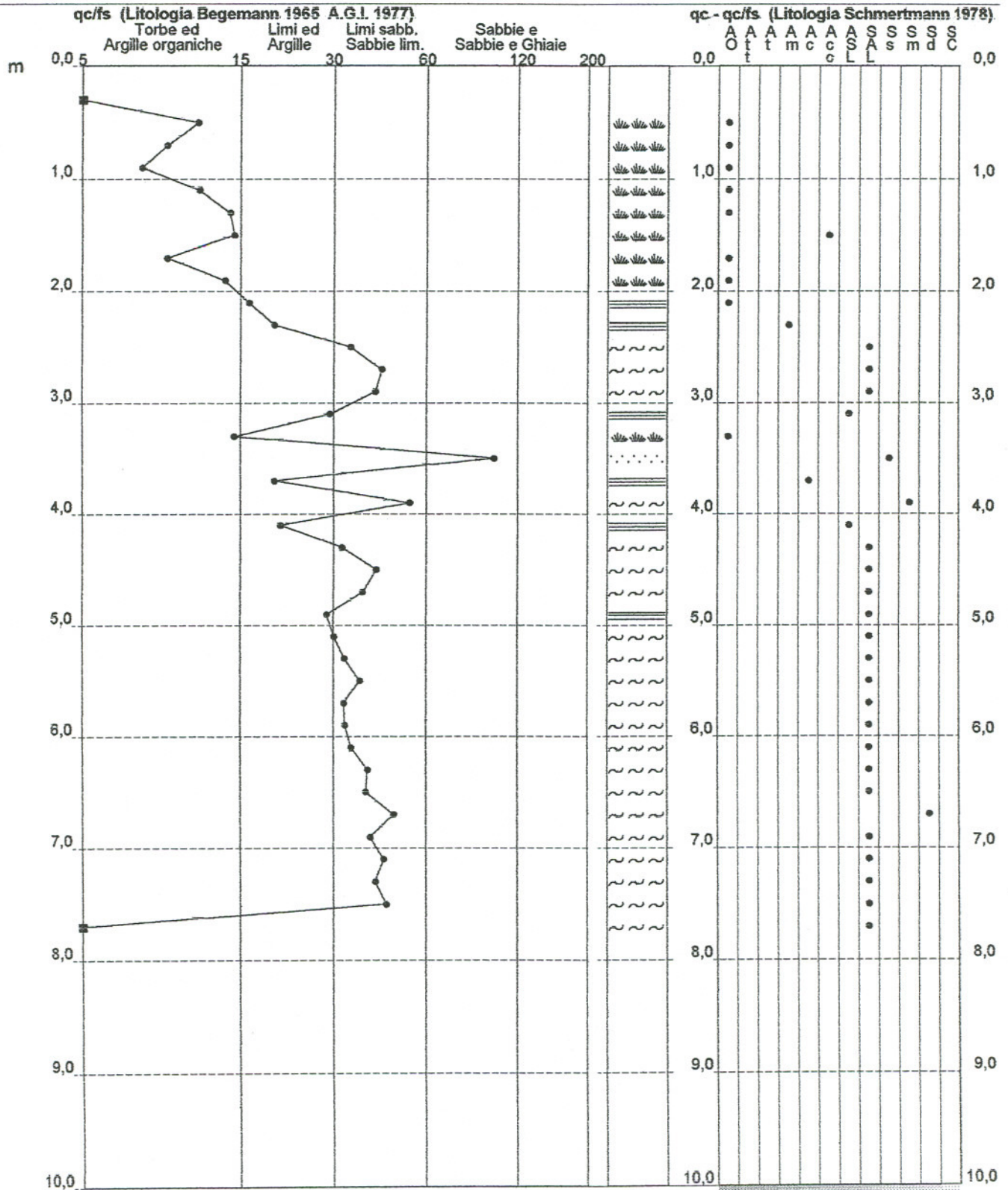
**PROVA PENETROMETRICA STATICA  
VALUTAZIONI LITOLOGICHE**

**CPT 2N**

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Pegognaga-Reggiolo Rolo  
- note :

- data : 30/12/1899  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50





**PROVA PENETROMETRICA STATICA**  
**LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

**CPT 4S**

2:01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Pegognaga-Reggiolo Rolo  
- note :

- data : 30/12/1899  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- pagina : 1

Prof. m	Letture di campagna		qc	fs	qc/fs	Prof. m	Letture di campagna		qc	fs	qc/fs
	punta	laterale	kg/cm <sup>2</sup>				punta	laterale	kg/cm <sup>2</sup>		
0,20	---	---	--	---	---	3,60	14,0	24,0	21,0	1,10	19,0
0,40	---	---	--	1,20	---	3,80	11,0	22,0	16,0	0,80	20,0
0,60	16,0	28,0	24,0	1,70	14,0	4,00	9,0	17,0	14,0	1,90	7,0
0,80	11,0	28,0	16,0	2,10	8,0	4,20	22,0	41,0	33,0	1,80	18,0
1,00	14,0	35,0	21,0	1,60	13,0	4,40	48,0	66,0	72,0	1,50	48,0
1,20	12,0	28,0	18,0	1,40	13,0	4,60	56,0	71,0	84,0	1,90	44,0
1,40	11,0	25,0	16,0	1,30	12,0	4,80	34,0	53,0	51,0	1,40	36,0
1,60	12,0	25,0	18,0	1,20	15,0	5,00	29,0	43,0	44,0	1,10	40,0
1,80	9,0	21,0	14,0	0,90	16,0	5,20	27,0	38,0	40,0	3,20	12,0
2,00	9,0	18,0	14,0	0,70	20,0	5,40	64,0	96,0	96,0	2,00	48,0
2,20	10,0	17,0	15,0	0,80	19,0	5,60	105,0	125,0	158,0	3,90	41,0
2,40	10,0	18,0	15,0	0,90	17,0	5,80	90,0	129,0	135,0	3,50	39,0
2,60	12,0	21,0	18,0	0,80	22,0	6,00	111,0	146,0	166,0	4,50	37,0
2,80	13,0	21,0	20,0	1,10	18,0	6,20	97,0	142,0	146,0	3,80	38,0
3,00	11,0	22,0	16,0	0,90	18,0	6,40	100,0	138,0	150,0	3,90	38,0
3,20	16,0	25,0	24,0	1,10	22,0	6,60	96,0	135,0	144,0	4,10	35,0
3,40	14,0	25,0	21,0	1,00	21,0	6,80	89,0	130,0	134,0	---	---

- PENETROMETRO STATICO tipo PAGANI da 10/20t  
- COSTANTE DI TRASFORMAZIONE Ct = 15 - Velocità Avanzamento punta 2 cm/s  
- punta meccanica tipo Begemann  $\varnothing = 35.7$  mm (area punta 10 cm<sup>2</sup> - apertura 60°)  
- manicotto laterale (superficie 150 cm<sup>2</sup>)



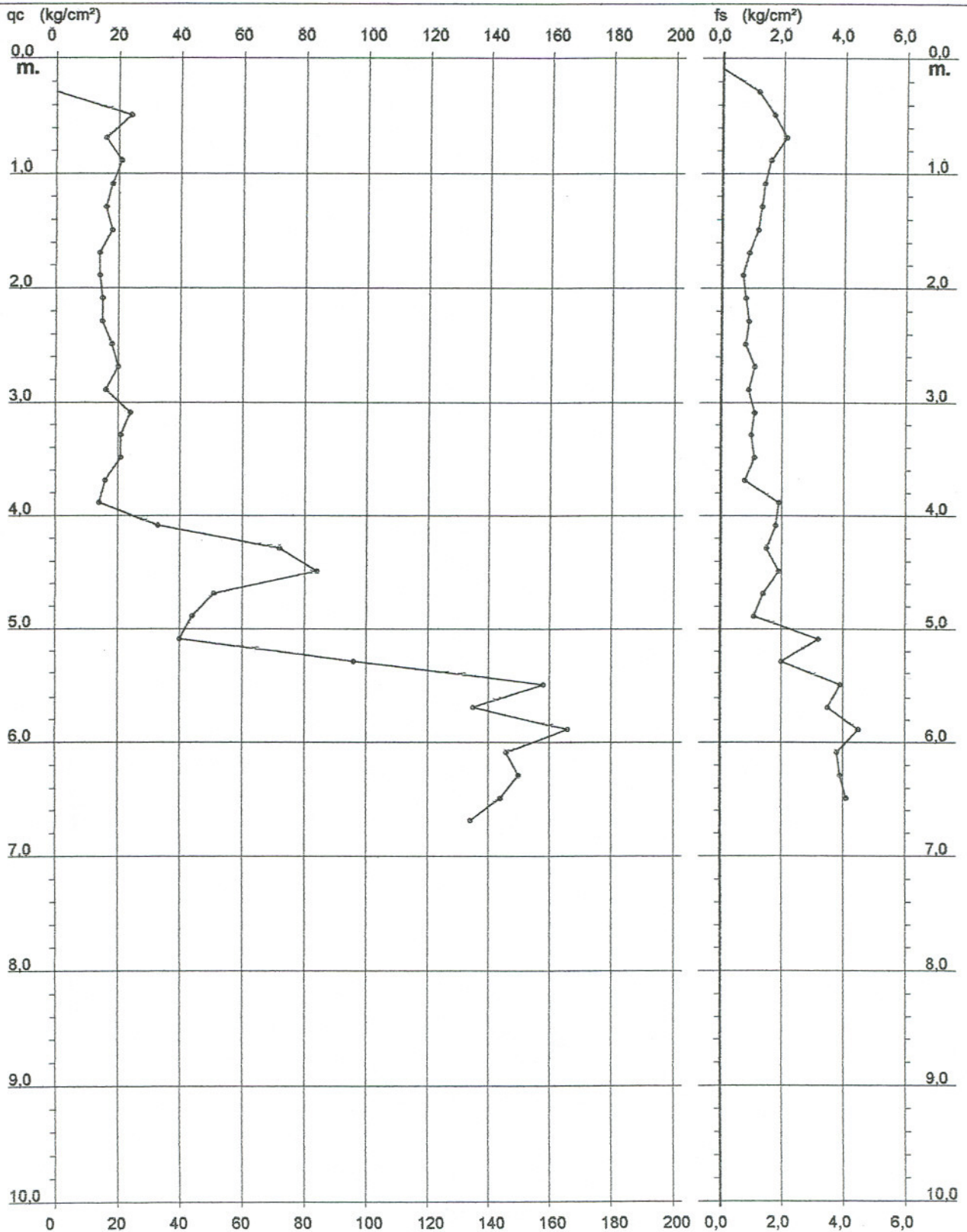
# PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 4S

2.01PG05-027

- committente : Autostrada A22  
- lavoro : Costruzione piazzole sosta di emergenza  
- località : Pegognaga-Reggiolo Rolo

- data : 30/12/1899  
- quota inizio : Piano Campagna  
- prof. falda : Falda non rilevata  
- scala vert.: 1 : 50









# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01469	COMM.	004CM07	PAG.	1	DI	2	Verbale di accettazione C004/07
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto					

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

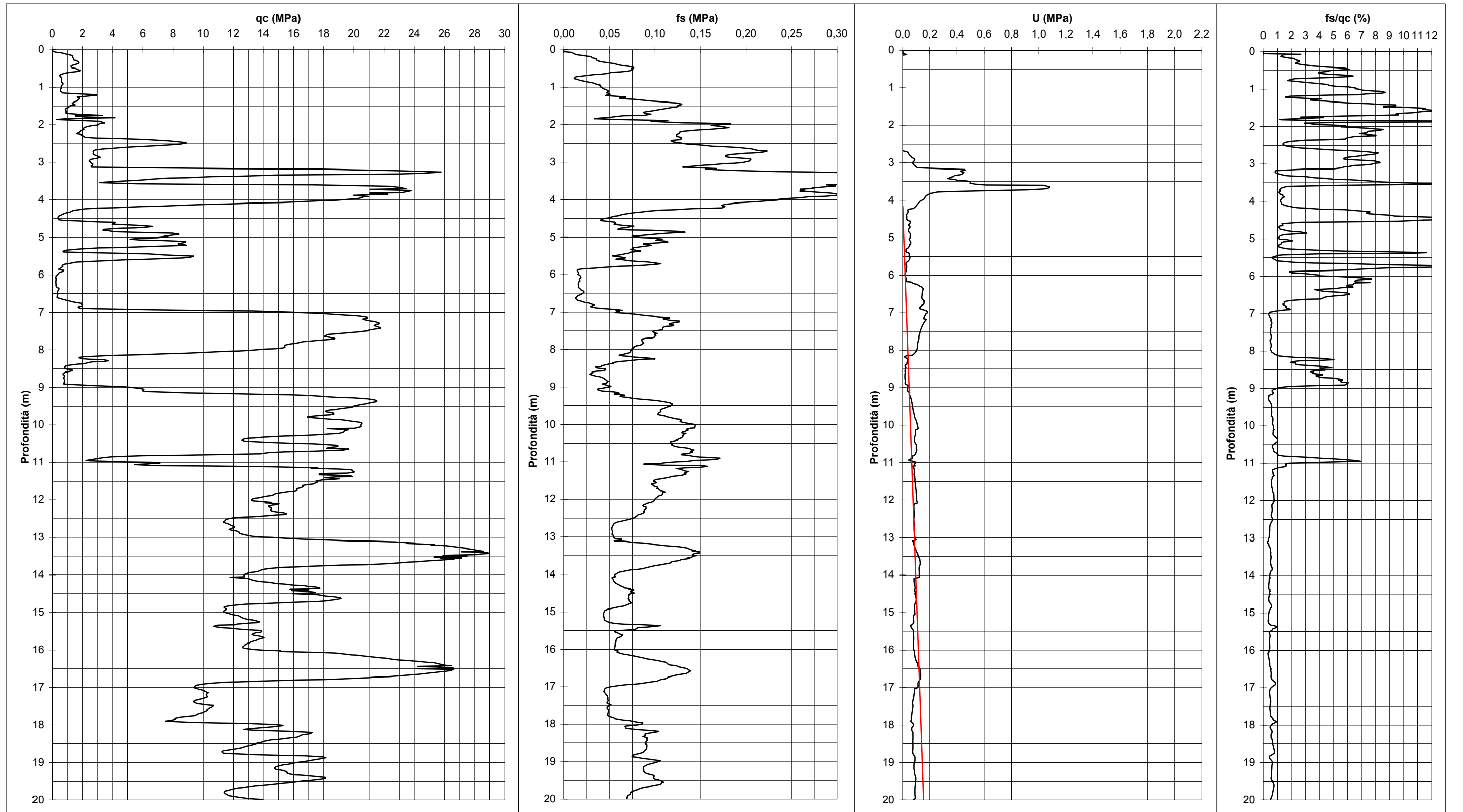
CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

PROVA N°: CPT 3      DATA PROVA: 28/03/2007      OPERATORE: P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate X	-	Y	-
Preforo	-	m	Livello acqua	4,10	m da p.c.	Profondità finale	25,00	m da p.c.

NOTE: -

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01469	COMM.	004CM07	PAG.	2	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

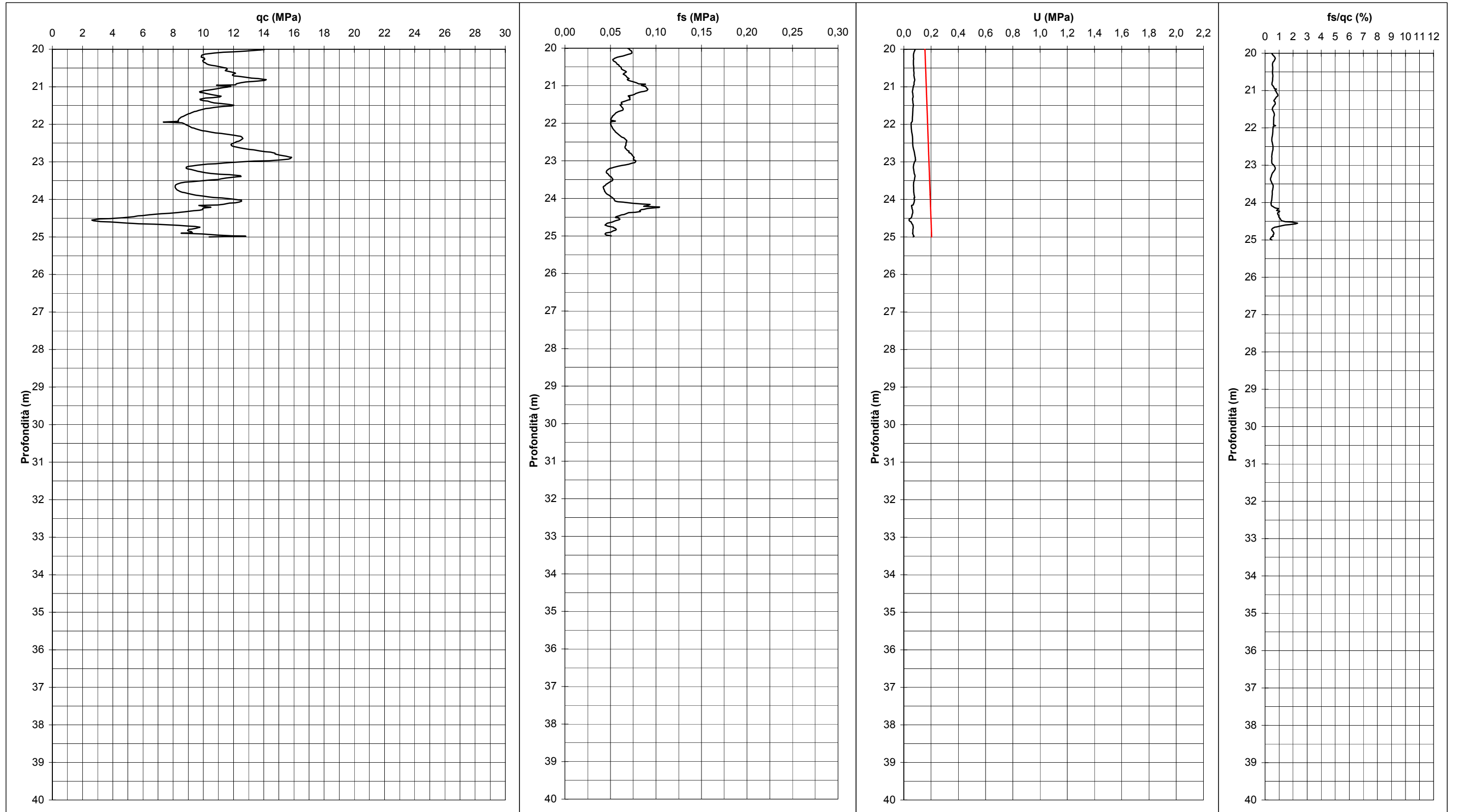
CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

PROVA N°: CPT 3      DATA PROVA: 28/03/2007      OPERATORE: P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate	X	-	Y	-
Preforo	-	m	Livello acqua	4,10	m da p.c.	Profondità finale	25,00	m da p.c.	

NOTE: -

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

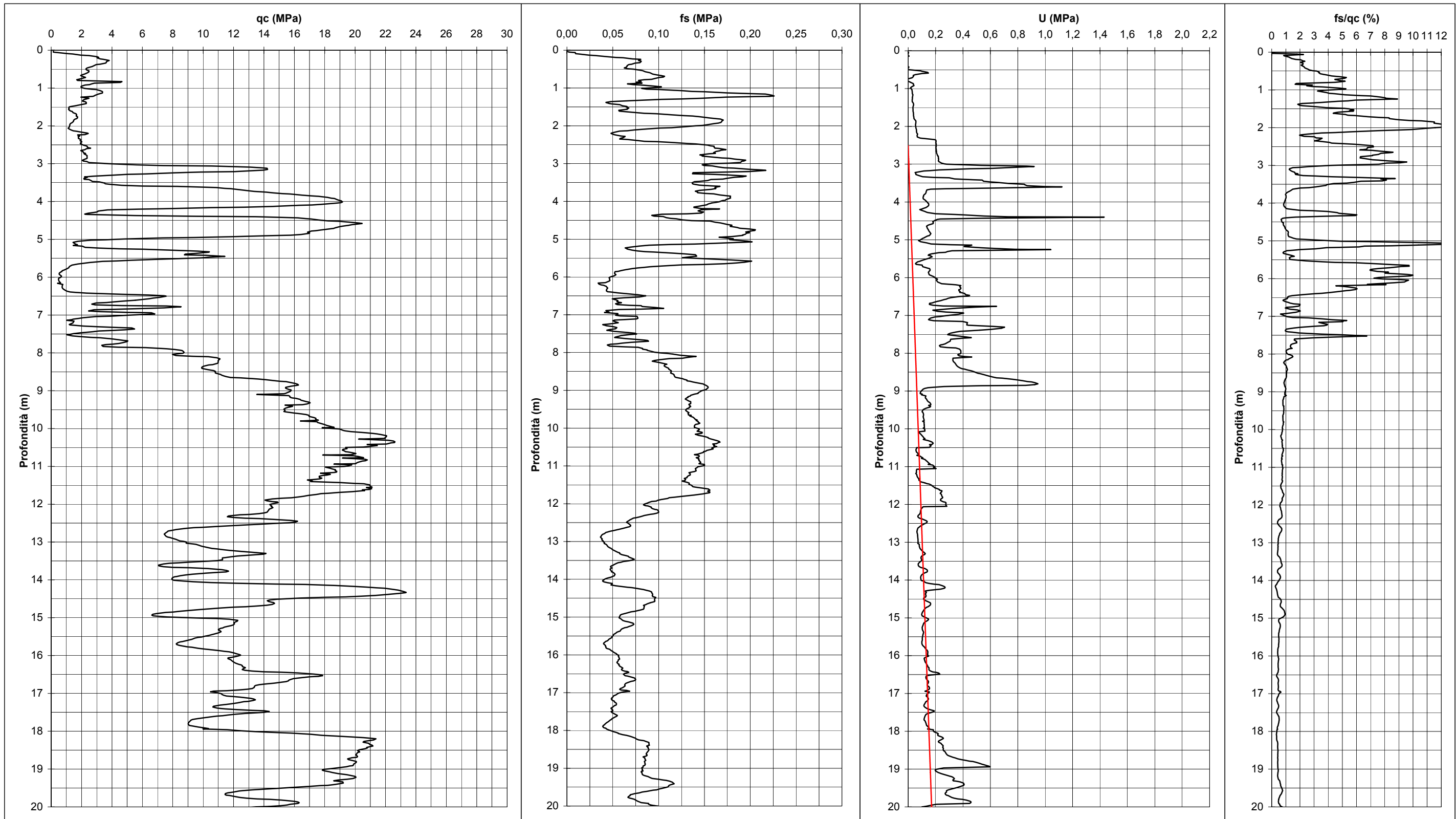
secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01470	COMM.	004CM07	PAG.	1	DI	2	Verbale di accettazione C004/07
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto					

COMMITTENTE:	AUTOSTRADA DEL BRENNERO S. p. A.				
CANTIERE:	TERZA CORSIA A22, TRATTO VERONA - MODENA				
PROVA N°:	CPT 4	DATA PROVA	27/03/2007	OPERATORE	P. I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate	X	-	Y	-
Preforo	-	m	Livello acqua	2.50	m da p.c.	Profondità finale	25,13	m da p.c.	
NOTE	-								

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01470	COMM.	004CM07	PAG.	2	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

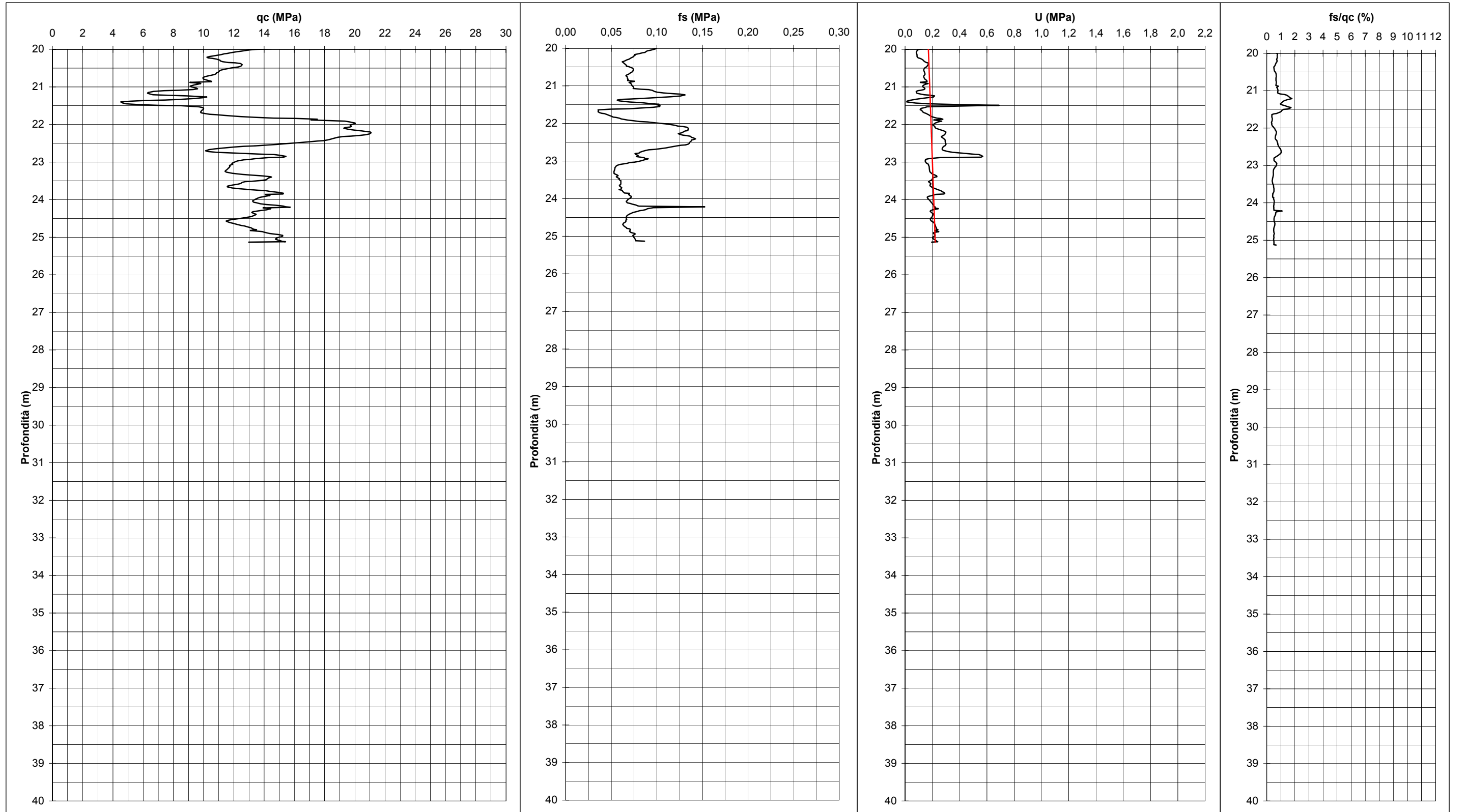
CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

PROVA N°: CPT 4      DATA PROVA: 27/03/2007      OPERATORE: P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate	X	-	Y	-
Preforo	-	m	Livello acqua	2.50	m da p.c.	Profondità finale	25,13	m da p.c.	

NOTE: -

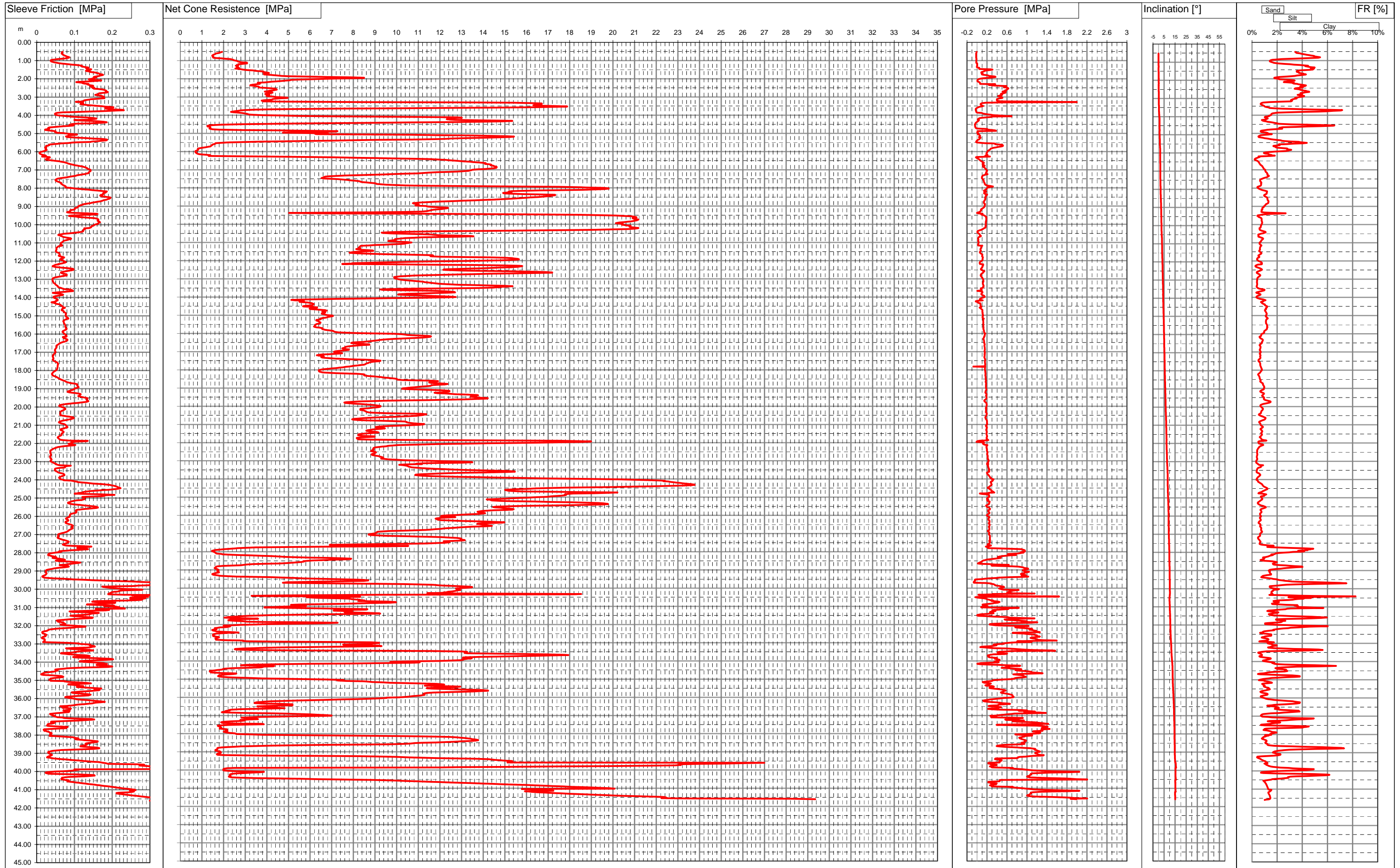
VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200



Committente AUTOBRENNERO SPA  
 Località MANTOVA NORD  
 Cantiere SOVRAPASSO N° 106  
 Operatore DR. STANZANI  
 Prova nr. 1 Cert. N. 571/2011  
 Data 20/05/11 Emesso il 20/05/11  
 Falda 2.10 ml  
 Preforo 0.50 m. p.c.

**MN-CPTU3**


  
 Via Austria, 24 - 41100 MODENA (MO) - ITALY  
 Telefono +39 059 313999  
 Telefax +39 059 454827  
 Email [info@intergeosrl.it](mailto:info@intergeosrl.it)





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Telefax +39 059 454827

Email [info@intergeosrl.it](mailto:info@intergeosrl.it)



Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	1.93	68.77	-6.86
0.54	1.89	67.89	-6.86
0.56	1.81	66.11	-11.51
0.58	1.81	66.11	-13.26
0.60	1.66	66.56	-16.75
0.62	1.63	66.11	-17.33
0.64	1.62	67.67	-17.91
0.66	1.58	69.67	-17.91
0.68	1.54	69.23	-17.91
0.70	1.50	72.12	-17.91
0.72	1.48	72.78	-17.91
0.74	1.47	76.56	-17.33
0.76	1.51	78.34	-17.33
0.78	1.53	80.79	-17.33
0.80	1.52	84.57	-17.91
0.82	1.51	86.35	-17.33
0.84	1.53	85.24	-16.75
0.86	1.65	80.79	-15.00
0.88	1.89	73.91	-12.68
0.90	2.11	65.46	-9.19
0.92	2.30	55.69	-9.19
0.94	2.41	47.02	-10.93
0.96	2.45	39.91	-12.10
0.98	2.48	37.02	-13.26
1.00	2.56	37.91	-13.84
1.02	2.62	37.47	-14.42
1.04	2.66	37.92	-15.00
1.06	2.69	39.92	-14.42
1.08	2.78	44.14	-12.10
1.10	2.86	47.93	-11.51
1.12	3.08	54.59	-12.10
1.14	2.99	58.15	-9.19
1.16	3.09	66.82	4.19
1.18	2.86	75.94	4.77
1.20	2.68	83.27	4.19
1.22	2.71	93.28	4.19
1.24	2.67	104.61	1.86
1.26	2.64	114.17	3.60
1.28	2.56	119.72	4.19
1.30	2.67	117.77	-0.47
1.32	2.65	120.66	-1.05
1.34	2.63	123.33	-2.21
1.36	2.64	130.66	-4.54
1.38	2.61	136.88	8.25
1.40	2.72	133.33	47.79
1.42	2.60	130.66	41.40
1.44	2.54	132.00	44.89
1.46	2.76	135.11	45.47
1.48	2.82	144.66	277.46
1.50	2.90	141.78	311.76

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	3.07	136.22	254.20
1.54	3.36	131.55	199.54
1.56	3.46	130.22	155.94
1.58	3.63	133.78	140.82
1.60	3.84	141.33	140.82
1.62	3.81	141.11	109.42
1.64	3.90	150.22	87.91
1.66	4.02	157.11	86.75
1.68	4.10	158.89	84.42
1.70	4.00	164.89	104.19
1.72	3.86	164.89	115.82
1.74	3.91	166.89	98.96
1.76	3.87	173.55	97.80
1.78	4.09	176.22	122.80
1.80	4.31	173.33	194.31
1.82	4.50	167.33	225.13
1.84	4.69	165.77	240.24
1.86	4.99	160.89	312.34
1.88	5.79	154.00	358.86
1.90	6.76	151.11	372.23
1.92	7.86	158.66	328.04
1.94	8.50	153.33	262.92
1.96	8.49	152.89	176.29
1.98	7.64	147.33	105.93
2.00	6.75	146.67	61.75
2.02	6.27	138.00	34.42
2.04	5.52	144.22	19.30
2.06	5.12	157.11	12.90
2.08	5.07	171.11	8.83
2.10	4.86	171.11	7.09
2.12	4.72	150.45	8.25
2.14	4.48	140.45	8.83
2.16	4.23	111.78	23.95
2.18	4.03	104.67	41.40
2.20	3.92	116.01	55.93
2.22	3.58	124.01	58.84
2.24	3.62	121.56	62.33
2.26	3.69	126.67	63.49
2.28	3.67	137.34	62.91
2.30	3.53	134.05	365.25
2.32	3.35	136.94	268.73
2.34	3.29	139.38	236.76
2.36	3.23	145.16	283.85
2.38	3.35	149.61	393.16
2.40	3.42	148.72	586.78
2.42	3.56	142.28	560.03
2.44	3.63	144.72	544.33
2.46	3.63	148.50	536.19
2.48	3.63	152.50	580.38
2.50	3.89	147.83	610.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	4.19	150.05	627.48
2.54	4.34	152.05	626.90
2.56	4.43	164.50	616.43
2.58	4.44	173.83	603.06
2.60	4.46	178.05	597.82
2.62	4.36	180.05	589.68
2.64	4.29	183.39	561.78
2.66	4.10	184.28	581.54
2.68	4.07	182.94	551.31
2.70	3.91	184.72	510.03
2.72	3.96	188.94	526.30
2.74	4.23	187.16	573.99
2.76	4.26	183.61	571.66
2.78	4.22	169.61	551.89
2.80	4.10	164.50	517.59
2.82	4.00	163.61	482.70
2.84	3.93	163.61	477.47
2.86	3.98	158.94	502.47
2.88	4.12	155.16	503.63
2.90	4.11	160.28	482.70
2.92	4.10	165.83	460.02
2.94	3.98	172.28	424.56
2.96	4.06	174.94	428.05
2.98	4.29	178.50	458.86
3.00	4.42	174.72	483.28
3.02	4.68	174.28	497.82
3.04	4.97	176.94	510.61
3.06	4.94	179.61	504.21
3.08	4.60	169.39	455.95
3.10	4.37	154.05	417.58
3.12	4.26	142.94	399.56
3.14	4.24	139.83	403.04
3.16	4.11	131.61	400.72
3.18	3.84	126.72	396.65
3.20	3.76	123.84	398.98
3.22	3.81	124.50	416.42
3.24	3.82	122.28	482.12
3.26	5.03	103.65	1158.32
3.28	8.39	116.10	1999.65
3.30	13.09	120.32	543.75
3.32	15.38	122.99	179.20
3.34	16.33	122.99	101.86
3.36	16.71	116.54	85.00
3.38	16.71	115.65	72.21
3.40	16.65	118.32	69.30
3.42	16.51	126.32	78.02
3.44	16.37	134.99	82.68
3.46	16.32	146.54	89.65
3.48	16.65	159.87	111.75
3.50	17.30	171.87	123.96

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	17.88	181.65	90.82
3.54	17.43	193.43	49.53
3.56	16.38	203.43	27.44
3.58	14.97	202.53	12.32
3.60	12.90	182.31	0.11
3.62	10.19	181.19	-11.51
3.64	7.43	184.75	-20.24
3.66	5.39	191.64	-24.30
3.68	4.15	206.52	-26.05
3.70	3.48	225.41	-24.89
3.72	2.99	231.18	-24.89
3.74	2.79	211.18	-21.40
3.76	2.67	184.51	-19.07
3.78	2.55	161.62	-17.33
3.80	2.42	135.17	-16.17
3.82	2.34	98.28	-14.42
3.84	2.43	69.83	-11.51
3.86	2.69	55.38	5.93
3.88	2.84	51.38	96.05
3.90	2.97	48.94	113.49
3.92	3.03	48.05	127.45
3.94	3.11	48.49	163.50
3.96	3.15	49.16	223.96
3.98	3.34	51.83	285.01
4.00	3.81	56.72	326.30
4.02	4.72	65.39	430.95
4.04	5.44	76.05	567.00
4.06	6.71	86.50	692.01
4.08	8.69	92.50	296.64
4.10	11.21	115.61	278.04
4.12	12.81	131.84	199.54
4.14	13.02	147.39	108.84
4.16	12.64	153.62	58.26
4.18	12.53	158.73	37.32
4.20	12.66	152.51	29.77
4.22	12.31	138.07	20.46
4.24	12.43	136.51	16.98
4.26	12.68	99.42	41.98
4.28	13.80	112.09	36.74
4.30	14.90	130.53	34.42
4.32	15.35	152.53	25.70
4.34	14.89	169.65	15.23
4.36	14.01	178.53	4.77
4.38	12.55	185.65	-4.54
4.40	10.59	180.98	-14.42
4.42	8.72	158.31	-22.56
4.44	7.08	145.64	-27.80
4.46	5.41	106.75	-32.45
4.48	3.96	93.63	-35.93
4.50	2.81	90.97	-37.68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	1.92	87.41	-39.42
4.54	1.61	98.74	-40.00
4.56	1.37	96.07	-40.59
4.58	1.26	87.18	-38.84
4.60	1.25	71.85	-38.26
4.62	1.26	57.84	-37.68
4.64	1.37	48.95	-36.51
4.66	1.40	34.95	-32.45
4.68	1.37	31.40	-28.38
4.70	1.37	30.06	-26.63
4.72	1.37	33.62	-17.91
4.74	1.35	33.18	25.11
4.76	1.44	30.29	205.94
4.78	1.50	22.51	189.66
4.80	1.79	22.07	223.38
4.82	2.91	29.63	301.30
4.84	4.69	37.63	365.83
4.86	6.28	44.97	380.95
4.88	7.26	50.30	14.07
4.90	7.18	50.30	12.32
4.92	6.32	48.30	7.67
4.94	5.26	50.30	3.60
4.96	4.74	55.19	5.35
4.98	5.64	71.42	18.14
5.00	6.82	78.98	27.44
5.02	6.23	87.20	16.40
5.04	6.30	100.76	14.65
5.06	8.29	107.20	30.35
5.08	10.64	97.65	46.63
5.10	12.09	84.31	51.86
5.12	13.57	83.43	58.26
5.14	14.57	82.98	64.07
5.16	15.15	77.21	58.84
5.18	15.43	79.21	48.37
5.20	15.25	82.98	40.81
5.22	14.79	104.32	40.23
5.24	13.95	121.89	75.12
5.26	13.31	135.22	64.65
5.28	12.51	153.00	54.77
5.30	12.31	174.77	52.44
5.32	11.83	184.33	48.95
5.34	10.69	187.00	34.42
5.36	9.00	185.66	15.23
5.38	7.76	182.11	5.35
5.40	7.13	172.32	0.70
5.42	6.00	159.21	-5.70
5.44	4.62	147.21	-13.26
5.46	3.62	140.54	-17.33
5.48	2.78	109.65	-17.91
5.50	2.19	94.09	-3.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	1.84	84.31	84.42
5.54	1.63	68.30	156.52
5.56	1.63	55.41	343.16
5.58	1.60	45.86	375.72
5.60	1.54	33.41	365.83
5.62	1.48	33.63	485.60
5.64	1.48	33.63	512.93
5.66	1.45	29.63	504.21
5.68	1.43	24.75	520.49
5.70	1.42	24.52	512.93
5.72	1.38	25.64	478.63
5.74	1.29	25.64	436.19
5.76	1.18	22.75	394.90
5.78	1.08	22.08	362.92
5.80	1.00	23.42	326.30
5.82	0.88	24.97	297.80
5.84	0.81	23.64	276.29
5.86	0.81	23.20	268.15
5.88	0.82	24.53	262.92
5.90	0.82	26.53	258.27
5.92	0.81	24.76	244.90
5.94	0.77	23.20	231.52
5.96	0.73	20.10	220.48
5.98	0.70	16.32	211.75
6.00	0.70	12.76	208.27
6.02	0.71	9.88	206.52
6.04	0.70	7.88	202.45
6.06	0.73	6.99	203.03
6.08	0.73	6.99	191.99
6.10	0.77	8.11	186.75
6.12	0.79	10.11	187.33
6.14	0.87	11.66	190.82
6.16	1.02	13.67	191.40
6.18	1.20	18.56	208.85
6.20	1.39	22.11	212.33
6.22	1.34	24.78	171.05
6.24	1.32	19.67	168.15
6.26	2.68	13.95	161.17
6.28	4.16	26.17	258.85
6.30	5.98	34.84	-7.44
6.32	7.14	35.06	-21.40
6.34	8.08	32.84	-10.93
6.36	9.04	29.51	-0.47
6.38	10.08	28.39	12.32
6.40	10.95	25.28	25.70
6.42	11.53	23.51	36.16
6.44	11.96	25.73	45.47
6.46	12.27	33.73	54.19
6.48	12.46	42.17	62.33
6.50	12.69	51.06	71.63

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**Intergeo** s.p.a.



Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova **1**

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	12.86	59.06	80.93
6.54	13.10	64.39	92.56
6.56	13.38	68.84	105.93
6.58	13.56	73.72	117.56
6.60	13.80	77.72	130.93
6.62	14.02	80.38	138.50
6.64	14.12	83.05	112.91
6.66	14.08	85.49	123.38
6.68	14.08	89.27	128.03
6.70	14.28	93.71	110.00
6.72	14.38	97.49	125.12
6.74	14.33	101.48	136.17
6.76	14.35	108.15	144.31
6.78	14.47	113.26	153.61
6.80	14.48	119.70	115.24
6.82	14.57	122.80	119.30
6.84	14.62	125.91	136.75
6.86	14.63	129.69	134.42
6.88	14.60	131.02	149.54
6.90	14.60	133.90	154.78
6.92	14.49	134.12	160.00
6.94	14.32	135.45	169.89
6.96	14.07	138.11	175.12
6.98	13.72	141.44	179.20
7.00	13.50	142.77	185.01
7.02	13.46	142.99	196.06
7.04	13.41	142.77	201.29
7.06	13.32	142.54	201.87
7.08	13.10	140.76	196.64
7.10	12.77	139.87	194.89
7.12	12.38	138.08	189.08
7.14	11.84	137.41	182.10
7.16	11.45	137.86	180.94
7.18	11.26	136.96	187.91
7.20	10.96	132.07	186.17
7.22	10.32	128.51	173.96
7.24	9.72	122.06	212.33
7.26	9.43	116.06	186.75
7.28	8.88	109.39	160.59
7.30	8.17	104.73	136.17
7.32	7.60	103.17	119.89
7.34	7.17	97.61	109.42
7.36	6.90	90.06	104.19
7.38	6.71	84.94	100.12
7.40	6.65	80.05	100.12
7.42	6.62	73.61	100.12
7.44	6.57	65.16	98.96
7.46	6.53	59.39	98.96
7.48	6.67	55.39	102.45
7.50	6.99	52.72	111.75

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	7.30	50.94	119.30
7.54	7.54	49.61	123.96
7.56	7.71	49.83	126.87
7.58	7.86	50.28	129.77
7.60	8.04	51.83	132.68
7.62	8.24	54.05	137.91
7.64	8.31	56.05	137.91
7.66	8.32	59.17	136.75
7.68	8.43	61.83	139.08
7.70	8.60	64.28	143.73
7.72	8.82	65.39	150.12
7.74	8.98	64.28	153.61
7.76	9.05	64.94	154.19
7.78	9.07	66.50	153.61
7.80	9.24	68.06	159.42
7.82	9.53	69.17	168.15
7.84	9.86	70.72	177.45
7.86	10.42	72.72	196.64
7.88	11.31	75.17	226.87
7.90	12.90	76.72	274.55
7.92	15.57	75.17	320.48
7.94	17.47	75.17	273.97
7.96	18.52	78.06	240.24
7.98	18.78	87.39	211.75
8.00	19.56	94.95	207.10
8.02	19.79	103.39	198.38
8.04	19.80	112.95	193.15
8.06	19.60	125.39	186.17
8.08	19.25	137.61	182.10
8.10	18.61	147.83	172.80
8.12	17.65	156.72	158.84
8.14	16.57	166.50	143.15
8.16	15.73	177.16	137.91
8.18	15.30	186.05	150.12
8.20	15.18	184.04	186.17
8.22	15.32	183.38	175.12
8.24	15.21	182.49	158.26
8.26	15.04	177.60	147.21
8.28	14.92	175.60	140.82
8.30	15.00	177.15	142.56
8.32	15.33	176.70	155.94
8.34	15.93	175.37	178.61
8.36	16.74	172.47	203.03
8.38	17.33	169.36	201.87
8.40	17.33	168.03	183.85
8.42	17.22	168.47	177.45
8.44	17.12	172.24	175.12
8.46	16.95	178.24	174.54
8.48	16.73	186.91	170.47
8.50	16.54	193.12	172.22

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	16.23	195.79	167.57
8.54	15.94	195.12	165.24
8.56	15.76	194.01	169.89
8.58	15.45	191.78	168.15
8.60	15.19	188.00	167.57
8.62	14.89	185.55	167.57
8.64	14.52	182.00	162.91
8.66	14.11	177.33	158.84
8.68	13.63	174.88	153.61
8.70	13.11	171.99	147.80
8.72	12.66	167.99	143.73
8.74	12.20	161.32	138.50
8.76	11.79	155.32	137.33
8.78	11.44	150.43	135.59
8.80	11.13	145.98	135.59
8.82	10.89	142.20	136.17
8.84	10.75	135.75	139.08
8.86	10.80	128.86	148.96
8.88	10.98	123.08	159.42
8.90	10.97	122.64	161.75
8.92	11.03	119.08	162.33
8.94	10.92	115.53	155.36
8.96	10.87	113.30	150.70
8.98	11.09	110.86	155.36
9.00	11.40	109.08	157.68
9.02	11.40	109.53	150.12
9.04	11.57	109.53	148.38
9.06	11.89	107.98	138.50
9.08	12.27	103.31	135.00
9.10	12.38	101.09	125.12
9.12	12.32	100.65	112.91
9.14	12.21	101.32	101.86
9.16	12.08	100.65	90.82
9.18	11.88	98.88	79.77
9.20	11.66	88.91	93.72
9.22	11.61	90.03	82.68
9.24	11.55	89.14	76.86
9.26	11.46	88.25	72.21
9.28	11.37	86.47	69.30
9.30	11.15	83.58	64.65
9.32	10.44	80.25	52.44
9.34	8.70	85.80	29.19
9.36	6.52	107.36	8.25
9.38	5.02	138.03	-1.05
9.40	6.91	157.80	33.84
9.42	11.12	161.36	112.33
9.44	14.50	153.58	107.68
9.46	16.76	132.69	84.42
9.48	18.46	112.24	114.08
9.50	19.48	89.80	132.10

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Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **20\05\11**

Preforo **0.50 m. p.c.** Falda **2.10 ml**

Prova **1**

Cert. N. **571/2011**

Emesso il **20/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	20.15	85.13	148.38
9.54	20.54	95.13	160.00
9.56	20.86	105.58	171.05
9.58	21.00	109.80	178.61
9.60	21.04	123.13	185.01
9.62	21.09	138.91	189.08
9.64	20.97	151.35	182.68
9.66	20.90	158.69	186.75
9.68	20.93	160.24	187.91
9.70	20.98	162.46	187.91
9.72	21.09	163.35	186.17
9.74	21.18	163.79	186.17
9.76	21.13	162.23	183.85
9.78	21.10	161.12	184.43
9.80	21.02	162.00	182.10
9.82	20.91	163.55	180.36
9.84	20.85	165.55	181.52
9.86	20.68	167.55	175.12
9.88	20.49	167.32	175.70
9.90	20.32	164.88	176.87
9.92	20.19	163.54	176.29
9.94	20.13	162.42	176.87
9.96	20.32	161.31	179.20
9.98	20.45	157.53	178.61
10.00	20.43	153.53	175.70
10.02	20.41	152.19	174.54
10.04	20.52	151.52	176.29
10.06	20.63	148.85	176.29
10.08	20.82	145.96	178.03
10.10	20.77	144.18	171.05
10.12	20.77	145.07	169.89
10.14	20.76	144.18	169.89
10.16	20.87	142.18	171.63
10.18	21.00	139.73	170.47
10.20	21.18	125.75	153.03
10.22	21.13	127.75	139.08
10.24	21.03	128.42	128.61
10.26	20.69	125.75	117.56
10.28	20.00	123.75	101.28
10.30	19.05	122.64	85.59
10.32	17.79	123.30	65.23
10.34	16.19	123.97	46.05
10.36	14.19	122.86	25.70
10.38	12.27	121.74	12.90
10.40	10.93	117.08	8.25
10.42	10.04	110.41	7.67
10.44	9.53	101.29	8.83
10.46	9.31	92.63	13.49
10.48	9.40	83.96	20.46
10.50	9.78	72.62	30.93

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	10.38	66.62	41.98
10.54	11.12	60.18	53.60
10.56	11.58	57.07	56.51
10.58	11.72	59.07	55.93
10.60	11.99	61.73	58.26
10.62	12.69	63.95	68.72
10.64	13.45	67.51	79.77
10.66	13.56	69.07	75.12
10.68	12.84	71.29	56.51
10.70	11.83	77.29	38.49
10.72	11.19	82.85	30.93
10.74	10.74	87.52	26.86
10.76	10.39	91.08	23.95
10.78	10.19	91.08	22.79
10.80	10.03	87.30	22.79
10.82	9.92	83.97	23.95
10.84	9.96	79.97	29.77
10.86	9.92	75.53	28.02
10.88	9.80	72.64	26.28
10.90	9.66	70.64	23.95
10.92	9.61	69.75	23.37
10.94	9.75	69.08	26.28
10.96	10.13	67.53	30.93
10.98	10.55	65.53	35.00
11.00	10.69	63.98	34.42
11.02	10.57	63.98	30.93
11.04	10.44	63.76	28.60
11.06	10.37	62.87	27.44
11.08	10.16	63.31	25.11
11.10	9.84	65.09	21.63
11.12	9.45	66.43	18.14
11.14	9.00	67.32	25.70
11.16	8.72	65.76	22.21
11.18	8.36	58.02	106.51
11.20	8.32	56.69	97.21
11.22	8.30	55.57	92.56
11.24	8.30	54.46	89.07
11.26	8.27	53.35	85.59
11.28	8.25	52.24	82.68
11.30	8.30	51.80	82.68
11.32	8.33	52.02	78.60
11.34	8.24	52.69	72.79
11.36	8.13	52.69	68.72
11.38	8.20	52.02	68.72
11.40	8.38	51.36	71.63
11.42	8.66	50.91	75.12
11.44	8.89	50.91	78.60
11.46	8.92	50.69	76.86
11.48	8.72	51.36	70.47
11.50	8.33	52.69	62.91

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	8.02	54.69	58.26
11.54	7.89	56.69	56.51
11.56	7.82	59.14	58.84
11.58	7.95	60.25	66.40
11.60	8.31	60.69	74.54
11.62	8.78	60.91	85.59
11.64	9.44	60.25	100.12
11.66	10.25	60.03	108.26
11.68	11.19	61.80	109.42
11.70	11.66	58.25	107.10
11.72	11.69	59.36	103.61
11.74	11.56	62.91	100.12
11.76	11.58	66.47	101.86
11.78	12.03	70.69	109.42
11.80	13.03	72.91	115.24
11.82	14.31	71.80	118.14
11.84	15.04	68.69	115.24
11.86	15.33	65.36	112.91
11.88	15.46	63.14	112.33
11.90	15.60	61.58	113.49
11.92	15.65	62.47	114.08
11.94	15.58	65.36	111.75
11.96	15.28	68.91	110.00
11.98	14.80	70.47	106.51
12.00	14.00	72.47	98.38
12.02	12.83	74.25	83.26
12.04	11.66	76.69	71.05
12.06	10.75	77.35	64.07
12.08	10.00	74.91	59.42
12.10	9.20	71.80	54.19
12.12	8.46	67.57	51.86
12.14	7.95	63.13	53.02
12.16	7.88	56.68	60.58
12.18	7.49	58.46	58.26
12.20	9.74	49.36	120.47
12.22	11.63	47.80	125.70
12.24	13.66	46.03	123.38
12.26	15.08	42.92	114.08
12.28	15.68	42.03	118.14
12.30	15.81	44.25	111.17
12.32	15.70	49.58	110.00
12.34	15.59	57.81	109.42
12.36	15.29	68.03	105.93
12.38	14.73	78.92	97.21
12.40	14.25	90.03	92.56
12.42	13.90	95.58	91.40
12.44	13.27	97.36	82.68
12.46	12.56	98.03	75.70
12.48	12.17	96.91	77.44
12.50	12.15	92.47	86.17

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	12.48	86.02	103.03
12.54	13.07	80.91	124.54
12.56	13.98	76.24	125.70
12.58	15.11	71.13	150.12
12.60	16.17	65.79	135.59
12.62	16.76	63.79	127.45
12.64	17.19	64.02	126.29
12.66	17.19	66.46	120.47
12.68	16.43	70.68	113.49
12.70	15.29	74.68	101.86
12.72	14.25	77.79	90.23
12.74	13.48	79.12	83.84
12.76	12.75	80.01	79.19
12.78	11.92	79.12	73.38
12.80	11.31	75.56	72.79
12.82	10.79	69.12	73.96
12.84	10.45	63.34	77.44
12.86	10.17	57.78	81.51
12.88	10.00	52.00	87.33
12.90	9.88	47.78	92.56
12.92	9.88	44.89	99.54
12.94	9.90	42.89	105.35
12.96	9.91	41.78	110.00
12.98	9.93	41.78	114.08
13.00	10.03	41.78	119.30
13.02	10.10	41.55	121.63
13.04	10.18	41.78	124.54
13.06	10.29	41.78	126.29
13.08	10.50	42.00	128.61
13.10	10.69	43.11	128.61
13.12	10.90	43.33	129.77
13.14	11.07	44.00	128.61
13.16	11.23	44.22	128.03
13.18	11.29	44.03	122.21
13.20	11.45	45.36	119.30
13.22	11.61	46.92	117.56
13.24	11.75	48.03	116.40
13.26	11.93	49.36	116.98
13.28	12.14	49.81	119.30
13.30	12.42	50.92	121.63
13.32	12.83	52.03	123.38
13.34	13.49	54.03	128.61
13.36	14.30	55.36	128.61
13.38	14.98	55.58	133.84
13.40	15.36	55.58	132.68
13.42	15.12	56.92	125.70
13.44	14.85	59.36	122.80
13.46	14.62	62.03	122.21
13.48	14.45	64.92	121.63
13.50	13.80	67.80	103.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	12.56	70.25	75.12
13.54	10.85	75.14	79.19
13.56	9.70	89.14	79.19
13.58	9.25	92.25	86.17
13.60	9.35	94.02	93.14
13.62	9.96	95.80	98.96
13.64	11.11	96.46	47.21
13.66	11.89	87.80	4.19
13.68	12.21	74.91	71.05
13.70	12.53	62.02	101.28
13.72	12.68	49.57	110.00
13.74	12.70	42.23	111.17
13.76	12.39	46.68	110.59
13.78	11.79	60.23	100.12
13.80	11.19	62.90	92.56
13.82	10.53	68.23	84.42
13.84	10.12	70.01	84.42
13.86	10.06	67.57	90.82
13.88	10.34	62.68	104.19
13.90	10.75	56.90	119.30
13.92	11.20	50.23	133.26
13.94	11.68	45.78	144.89
13.96	12.17	44.45	150.12
13.98	12.59	44.23	154.78
14.00	12.73	44.89	150.12
14.02	12.25	46.45	131.52
14.04	11.17	49.34	106.51
14.06	9.80	51.34	89.07
14.08	8.44	53.34	73.96
14.10	7.17	55.34	62.91
14.12	6.15	55.78	56.51
14.14	5.49	55.56	55.35
14.16	5.13	55.56	58.84
14.18	5.32	50.47	115.82
14.20	5.65	49.80	39.65
14.22	5.72	50.92	-23.14
14.24	5.57	43.36	-24.30
14.26	5.51	39.14	0.11
14.28	5.69	43.36	12.32
14.30	5.89	47.14	20.46
14.32	6.01	48.92	28.02
14.34	6.09	51.81	63.49
14.36	6.13	57.14	66.98
14.38	6.17	61.59	68.72
14.40	6.15	63.81	69.89
14.42	6.15	63.37	71.63
14.44	6.10	64.26	72.21
14.46	5.97	66.48	71.05
14.48	5.79	68.26	70.47
14.50	5.67	69.37	76.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	5.73	69.81	83.26
14.54	6.07	72.26	92.56
14.56	6.30	74.70	66.98
14.58	6.33	72.26	52.44
14.60	6.21	68.04	64.65
14.62	6.08	67.59	73.38
14.64	5.97	67.81	79.77
14.66	6.03	66.93	89.07
14.68	6.26	65.81	97.80
14.70	6.50	66.70	106.51
14.72	6.69	69.15	111.17
14.74	6.77	71.37	110.59
14.76	6.71	71.59	108.84
14.78	6.62	71.82	106.51
14.80	6.56	72.93	108.26
14.82	6.64	74.93	111.17
14.84	6.70	76.04	112.91
14.86	6.65	77.37	111.17
14.88	6.63	77.82	111.75
14.90	6.54	77.82	111.17
14.92	6.54	77.60	113.49
14.94	6.63	76.71	115.82
14.96	6.68	76.71	116.98
14.98	6.75	77.15	119.30
15.00	6.87	77.15	122.21
15.02	7.04	77.15	123.96
15.04	7.06	77.37	119.89
15.06	7.00	78.49	115.24
15.08	6.88	80.04	111.17
15.10	6.80	81.60	111.17
15.12	6.76	82.71	112.91
15.14	6.66	84.04	113.49
15.16	6.56	83.60	114.08
15.18	6.46	78.73	135.59
15.20	6.51	76.28	132.68
15.22	6.49	74.73	129.19
15.24	6.41	72.95	125.70
15.26	6.29	71.62	123.96
15.28	6.28	70.51	123.96
15.30	6.31	70.28	125.70
15.32	6.39	71.17	126.29
15.34	6.40	71.61	125.70
15.36	6.42	71.84	125.70
15.38	6.45	72.28	125.70
15.40	6.48	72.28	126.87
15.42	6.47	72.50	126.87
15.44	6.45	73.61	126.29
15.46	6.40	74.28	124.54
15.48	6.30	74.95	125.12
15.50	6.28	75.17	126.87

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Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	6.25	75.61	127.45
15.54	6.25	76.28	127.45
15.56	6.21	76.06	126.87
15.58	6.22	75.39	129.19
15.60	6.22	75.17	128.61
15.62	6.18	76.50	128.61
15.64	6.21	77.17	129.19
15.66	6.29	76.72	132.10
15.68	6.43	77.39	131.52
15.70	6.55	79.17	128.61
15.72	6.58	79.17	129.77
15.74	6.55	78.72	128.61
15.76	6.57	77.17	129.19
15.78	6.62	75.17	132.10
15.80	6.70	72.94	135.00
15.82	6.82	71.61	137.91
15.84	6.96	69.39	139.08
15.86	7.07	69.17	139.08
15.88	7.08	68.28	139.08
15.90	7.12	68.94	139.66
15.92	7.17	70.05	141.40
15.94	7.32	71.39	142.56
15.96	7.67	71.83	146.63
15.98	8.29	72.94	156.52
16.00	9.12	74.05	166.40
16.02	9.86	76.28	165.24
16.04	10.24	76.72	157.10
16.06	10.37	76.50	154.19
16.08	10.49	77.61	155.94
16.10	10.81	79.16	155.94
16.12	11.16	79.39	151.87
16.14	11.53	78.72	150.12
16.16	11.59	69.41	150.70
16.18	11.57	69.41	143.73
16.20	11.45	70.52	140.82
16.22	11.26	71.86	139.66
16.24	10.97	73.63	136.75
16.26	10.66	76.30	132.10
16.28	10.22	78.74	127.45
16.30	9.85	81.19	127.45
16.32	9.55	81.85	129.19
16.34	9.35	81.41	132.68
16.36	9.23	80.07	136.75
16.38	9.11	77.85	140.24
16.40	8.96	76.07	140.82
16.42	8.79	72.96	141.98
16.44	8.64	69.40	143.15
16.46	8.46	65.85	143.15
16.48	8.17	63.84	140.24
16.50	7.97	61.84	140.82

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	7.90	60.51	146.05
16.54	7.99	58.95	150.12
16.56	8.20	57.62	152.45
16.58	8.49	56.06	153.03
16.60	8.74	54.51	154.78
16.62	8.75	52.95	153.61
16.64	8.45	52.28	150.12
16.66	8.19	52.28	149.54
16.68	8.00	52.94	148.96
16.70	7.81	52.94	149.54
16.72	7.72	52.72	151.29
16.74	7.65	52.28	152.45
16.76	7.61	51.61	154.19
16.78	7.61	50.94	155.36
16.80	7.54	49.83	154.19
16.82	7.48	49.61	154.78
16.84	7.54	48.94	156.52
16.86	7.67	48.28	157.68
16.88	7.80	48.05	157.68
16.90	7.80	48.28	157.10
16.92	7.67	48.50	154.78
16.94	7.47	48.94	153.03
16.96	7.31	49.61	151.87
16.98	7.19	49.83	151.29
17.00	7.11	49.83	152.45
17.02	7.10	49.39	154.19
17.04	7.19	48.50	157.10
17.06	7.37	47.39	160.00
17.08	7.48	46.05	158.26
17.10	7.41	45.39	156.52
17.12	7.18	45.39	152.45
17.14	6.87	45.39	148.96
17.16	6.51	43.18	158.84
17.18	6.37	43.18	152.45
17.20	6.31	43.41	150.70
17.22	6.43	42.07	151.29
17.24	6.61	42.30	153.61
17.26	6.63	43.19	150.12
17.28	6.56	43.19	148.96
17.30	6.51	43.63	147.21
17.32	6.56	44.07	148.96
17.34	6.67	44.52	151.29
17.36	6.87	44.30	154.19
17.38	7.14	43.41	157.10
17.40	7.49	42.30	159.42
17.42	7.93	42.52	160.59
17.44	8.49	43.63	162.91
17.46	8.87	44.96	162.91
17.48	9.11	46.74	162.91
17.50	9.25	48.30	162.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	9.23	49.85	160.00
17.54	9.04	52.07	157.68
17.56	8.84	54.07	157.10
17.58	8.77	55.41	158.84
17.60	8.72	55.85	160.59
17.62	8.70	56.74	161.75
17.64	8.63	56.74	161.75
17.66	8.59	56.96	162.91
17.68	8.57	56.07	162.91
17.70	8.52	55.85	163.50
17.72	8.47	55.63	164.08
17.74	8.34	55.18	162.91
17.76	8.16	55.40	161.75
17.78	8.01	55.40	161.75
17.80	7.90	55.18	162.91
17.82	7.78	55.40	-74.60
17.84	7.63	55.18	162.33
17.86	7.53	54.73	162.91
17.88	7.37	54.73	161.75
17.90	7.23	54.51	161.17
17.92	7.03	54.06	160.00
17.94	6.85	53.18	158.84
17.96	6.67	52.73	158.26
17.98	6.55	51.62	158.26
18.00	6.45	50.51	159.42
18.02	6.40	49.17	161.75
18.04	6.40	47.40	163.50
18.06	6.41	45.84	164.66
18.08	6.41	44.51	165.24
18.10	6.43	43.62	165.82
18.12	6.51	42.51	167.57
18.14	6.58	42.06	168.15
18.16	6.82	40.52	168.15
18.18	7.20	40.08	169.31
18.20	7.68	40.52	171.05
18.22	8.18	40.74	170.47
18.24	8.46	41.19	169.89
18.26	8.52	42.52	168.73
18.28	8.53	43.63	167.57
18.30	8.49	45.86	166.40
18.32	8.54	48.52	168.15
18.34	8.69	50.52	170.47
18.36	8.93	52.97	172.80
18.38	9.12	54.52	172.22
18.40	9.29	56.08	172.80
18.42	9.42	57.86	173.38
18.44	9.58	59.19	173.38
18.46	9.72	60.30	174.54
18.48	9.92	62.52	174.54
18.50	10.01	64.97	175.12

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **20\05\11**

Preforo **0.50 m. p.c.** Falda **2.10 ml**

Prova **1**

Cert. N. **571/2011**

Emesso il **20/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	10.01	67.41	173.96
18.54	10.04	69.85	175.12
18.56	10.30	72.52	178.03
18.58	10.98	74.74	180.94
18.60	11.69	76.29	179.20
18.62	11.91	78.07	176.29
18.64	11.83	80.52	172.80
18.66	11.70	84.07	172.80
18.68	11.53	88.29	174.54
18.70	11.50	93.40	177.45
18.72	11.63	99.84	179.78
18.74	11.92	104.73	182.10
18.76	12.23	107.62	182.10
18.78	12.36	107.17	180.94
18.80	12.22	106.95	179.78
18.82	11.92	107.17	178.03
18.84	11.67	108.50	178.61
18.86	11.59	108.72	182.10
18.88	11.57	110.05	180.36
18.90	11.37	109.83	178.61
18.92	11.15	111.16	179.20
18.94	11.01	109.16	178.03
18.96	10.80	104.27	179.20
18.98	10.60	101.16	179.78
19.00	10.43	99.82	182.10
19.02	10.28	99.82	182.68
19.04	10.25	97.60	183.85
19.06	10.50	95.15	186.75
19.08	10.95	91.59	187.33
19.10	11.55	89.59	187.33
19.12	12.03	86.48	183.85
19.14	12.35	83.81	179.20
19.16	12.44	81.38	172.22
19.18	12.44	82.93	173.38
19.20	12.37	87.60	171.05
19.22	12.27	94.49	169.31
19.24	12.02	102.27	166.40
19.26	11.75	109.60	166.40
19.28	11.88	114.71	178.61
19.30	12.26	116.71	183.26
19.32	12.48	115.82	186.17
19.34	12.72	114.26	191.40
19.36	13.20	114.04	191.40
19.38	13.71	112.93	186.75
19.40	13.77	109.81	182.10
19.42	13.67	112.48	183.26
19.44	13.54	116.92	182.68
19.46	13.43	120.70	184.43
19.48	13.43	126.25	187.91
19.50	13.61	130.03	188.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	13.76	134.47	189.66
19.54	13.96	134.92	187.33
19.56	14.22	133.14	188.50
19.58	14.17	132.69	185.59
19.60	13.77	132.46	180.94
19.62	13.16	132.69	173.38
19.64	12.47	134.91	165.82
19.66	11.48	135.35	150.70
19.68	10.37	136.90	146.05
19.70	9.48	135.57	146.05
19.72	8.78	130.90	149.54
19.74	8.23	123.79	155.36
19.76	7.87	116.67	163.50
19.78	7.65	107.12	169.89
19.80	7.58	96.89	178.61
19.82	7.62	86.00	185.59
19.84	7.82	77.56	188.50
19.86	8.08	71.11	190.82
19.88	8.36	65.78	192.57
19.90	8.60	61.78	193.73
19.92	8.83	60.00	193.73
19.94	8.97	59.55	193.73
19.96	9.12	60.89	193.73
19.98	9.24	63.78	191.40
20.00	9.26	66.22	189.08
20.02	9.25	69.11	187.33
20.04	9.20	71.33	185.59
20.06	9.09	73.56	182.10
20.08	8.91	74.67	178.03
20.10	8.76	76.00	178.03
20.12	8.60	76.22	176.29
20.14	8.33	72.70	191.99
20.16	8.32	72.48	185.59
20.18	8.33	70.48	182.68
20.20	8.32	68.26	180.36
20.22	8.42	65.81	181.52
20.24	8.49	64.03	180.94
20.26	8.54	63.37	179.20
20.28	8.56	62.92	178.61
20.30	8.60	62.70	178.03
20.32	8.63	62.70	176.87
20.34	8.72	62.92	180.36
20.36	8.94	63.15	187.33
20.38	9.51	63.15	193.15
20.40	10.36	62.92	196.64
20.42	11.14	62.04	197.22
20.44	11.38	62.03	194.31
20.46	11.31	64.48	190.82
20.48	11.22	69.37	189.08
20.50	11.09	75.37	187.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	10.92	82.26	185.59
20.54	10.67	89.15	180.36
20.56	10.32	94.48	175.70
20.58	9.89	97.15	171.05
20.60	9.40	98.48	166.40
20.62	8.98	97.59	166.40
20.64	8.68	94.92	170.47
20.66	8.45	91.37	172.80
20.68	8.21	86.70	173.96
20.70	8.02	82.70	176.87
20.72	7.94	77.14	181.52
20.74	8.03	71.14	189.66
20.76	8.28	66.92	193.73
20.78	8.67	64.03	197.22
20.80	9.23	61.58	199.54
20.82	9.93	59.58	201.29
20.84	10.36	58.47	199.54
20.86	10.46	59.58	198.96
20.88	10.46	62.03	198.96
20.90	10.55	65.14	200.12
20.92	10.64	68.92	199.54
20.94	10.76	72.47	201.29
20.96	11.01	74.69	203.61
20.98	11.27	76.03	202.45
21.00	11.22	77.14	200.12
21.02	11.07	78.03	197.80
21.04	10.76	78.69	191.99
21.06	10.23	79.81	180.36
21.08	9.74	80.25	178.03
21.10	9.38	81.58	180.94
21.12	9.18	81.36	186.17
21.14	9.03	76.71	200.12
21.16	9.05	74.27	196.06
21.18	9.22	71.16	196.64
21.20	9.40	66.71	196.64
21.22	9.46	63.82	194.31
21.24	9.28	62.71	190.24
21.26	9.05	62.93	187.91
21.28	8.88	65.38	185.59
21.30	8.78	67.38	186.17
21.32	8.66	69.38	184.43
21.34	8.60	70.27	187.91
21.36	8.63	71.16	191.40
21.38	8.74	71.38	194.31
21.40	8.92	70.71	196.64
21.42	9.10	68.71	198.38
21.44	9.16	67.60	197.22
21.46	9.03	65.82	193.15
21.48	8.78	65.82	189.08
21.50	8.55	66.27	187.33

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova **1**

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	8.38	65.60	187.33
21.54	8.25	65.38	189.66
21.56	8.24	64.27	191.99
21.58	8.22	62.71	194.31
21.60	8.25	60.26	196.64
21.62	8.39	58.26	200.12
21.64	8.64	57.15	203.03
21.66	8.99	56.04	203.61
21.68	8.98	55.37	199.54
21.70	8.61	56.49	193.15
21.72	8.27	57.60	190.24
21.74	8.16	58.48	193.73
21.76	8.16	59.60	197.22
21.78	8.19	60.93	197.80
21.80	8.19	63.37	191.99
21.82	8.25	69.82	201.29
21.84	8.88	85.37	215.82
21.86	11.63	135.60	226.29
21.88	14.49	133.15	180.94
21.90	17.51	103.37	49.53
21.92	18.49	92.26	8.83
21.94	18.99	95.82	-0.47
21.96	18.60	94.93	-10.93
21.98	17.56	91.37	126.87
22.00	16.49	88.26	144.31
22.02	15.45	84.04	129.19
22.04	14.21	88.92	119.89
22.06	12.98	96.92	119.30
22.08	11.93	102.48	128.61
22.10	11.12	101.36	143.15
22.12	10.59	91.58	160.59
22.14	10.04	78.03	210.01
22.16	9.80	69.81	200.12
22.18	9.59	62.03	193.73
22.20	9.53	56.70	195.48
22.22	9.34	52.70	189.08
22.24	9.16	51.59	189.66
22.26	9.04	48.26	189.08
22.28	8.97	45.81	190.82
22.30	8.93	43.37	192.57
22.32	8.93	41.59	196.64
22.34	8.91	40.70	195.48
22.36	8.93	38.48	198.96
22.38	8.94	37.14	200.12
22.40	8.93	36.03	200.70
22.42	8.87	36.03	197.80
22.44	8.84	36.03	197.22
22.46	8.81	36.70	198.96
22.48	8.86	36.70	203.03
22.50	8.96	35.81	208.27

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	9.03	36.03	210.01
22.54	9.05	36.26	210.59
22.56	9.02	36.92	207.69
22.58	8.98	37.59	207.10
22.60	8.96	38.04	205.94
22.62	8.88	38.04	202.45
22.64	8.84	37.59	203.03
22.66	8.84	37.59	203.03
22.68	8.88	36.70	208.27
22.70	8.94	35.15	211.17
22.72	9.05	34.93	214.08
22.74	9.15	35.15	215.24
22.76	9.20	35.82	215.82
22.78	9.27	35.82	216.40
22.80	9.32	36.26	216.40
22.82	9.38	37.15	215.24
22.84	9.33	38.49	212.92
22.86	9.28	38.71	211.75
22.88	9.28	39.37	213.50
22.90	9.44	39.60	221.06
22.92	9.64	38.26	222.80
22.94	9.90	36.93	226.87
22.96	10.28	36.26	227.45
22.98	10.82	36.93	233.27
23.00	11.47	38.26	236.76
23.02	12.09	40.49	228.61
23.04	12.81	42.27	228.03
23.06	13.41	44.49	226.87
23.08	13.50	45.82	221.64
23.10	13.05	48.04	213.50
23.12	11.91	51.39	221.64
23.14	11.20	50.28	205.36
23.16	10.90	53.17	200.70
23.18	11.17	57.17	226.29
23.20	10.33	60.28	203.03
23.22	10.12	90.28	212.33
23.24	10.29	81.17	216.99
23.26	10.42	76.28	219.90
23.28	10.49	74.94	222.22
23.30	10.53	74.05	221.06
23.32	10.56	74.72	222.80
23.34	10.64	63.38	225.13
23.36	10.69	53.83	226.29
23.38	10.89	49.38	229.20
23.40	11.13	48.05	232.10
23.42	11.39	47.83	233.27
23.44	11.78	48.05	237.92
23.46	12.23	48.27	243.73
23.48	12.64	48.27	243.15
23.50	13.08	49.83	239.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	13.66	51.82	233.85
23.54	14.46	53.82	236.18
23.56	15.13	54.49	243.73
23.58	15.45	55.82	244.31
23.60	15.47	58.27	245.48
23.62	15.05	61.38	227.45
23.64	14.10	66.49	205.94
23.66	13.05	70.04	197.80
23.68	12.39	71.82	203.61
23.70	11.93	72.71	205.94
23.72	11.47	73.15	205.36
23.74	11.09	73.82	210.01
23.76	10.89	71.82	219.31
23.78	10.85	68.93	230.36
23.80	10.97	65.81	236.18
23.82	11.19	64.26	241.99
23.84	11.52	62.03	244.90
23.86	12.06	60.03	247.80
23.88	12.78	58.92	255.94
23.90	13.71	60.47	262.34
23.92	14.63	61.36	262.92
23.94	15.62	62.03	268.73
23.96	16.65	62.47	283.85
23.98	17.66	66.92	283.85
24.00	18.90	72.25	306.53
24.02	20.34	71.36	330.95
24.04	20.87	90.69	304.78
24.06	21.65	98.03	319.90
24.08	22.08	99.58	311.76
24.10	22.40	107.58	310.60
24.12	22.33	108.47	305.36
24.14	22.57	117.81	283.27
24.16	22.67	132.70	275.13
24.18	22.80	138.92	273.39
24.20	22.96	149.81	278.62
24.22	23.12	163.59	285.60
24.24	23.21	176.03	285.01
24.26	23.43	186.69	287.34
24.28	23.58	194.25	287.92
24.30	23.73	198.69	294.90
24.32	23.78	204.02	289.67
24.34	23.61	207.35	285.01
24.36	23.25	210.68	276.88
24.38	22.64	213.12	269.31
24.40	21.81	215.11	253.62
24.42	20.91	217.78	248.39
24.44	19.94	221.55	238.50
24.46	18.88	222.21	226.87
24.48	17.80	217.98	215.24
24.50	16.95	210.42	216.99



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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	16.43	202.86	236.18
24.54	16.04	191.53	250.71
24.56	15.55	176.19	254.78
24.58	15.17	161.96	266.99
24.60	15.01	150.40	282.69
24.62	15.06	141.28	290.83
24.64	15.14	131.28	289.67
24.66	15.31	125.06	296.64
24.68	15.75	121.28	309.43
24.70	17.04	122.16	327.46
24.72	18.12	109.27	286.76
24.74	20.21	109.71	348.39
24.76	19.88	100.37	234.43
24.78	19.15	154.15	243.15
24.80	18.15	179.26	55.93
24.82	17.87	206.37	108.26
24.84	17.77	187.04	187.33
24.86	17.79	172.38	222.80
24.88	17.83	179.71	238.50
24.90	17.76	171.71	246.06
24.92	17.56	132.83	242.57
24.94	17.32	120.82	241.40
24.96	17.12	124.38	244.31
24.98	16.96	126.82	247.80
25.00	16.51	127.05	231.52
25.02	16.13	126.38	219.90
25.04	15.73	126.38	212.92
25.06	15.25	126.82	203.03
25.08	15.03	122.82	203.03
25.10	14.69	119.04	196.64
25.12	14.16	105.75	228.03
25.14	14.31	101.31	221.64
25.16	14.36	96.42	210.01
25.18	14.40	92.42	203.61
25.20	14.79	89.53	215.82
25.22	15.41	87.31	235.01
25.24	16.33	83.31	254.78
25.26	17.14	82.42	248.97
25.28	18.06	82.87	250.71
25.30	18.78	86.43	243.15
25.32	19.33	90.20	244.31
25.34	19.55	97.09	243.15
25.36	19.71	107.32	242.57
25.38	19.78	116.43	240.24
25.40	19.54	125.10	228.61
25.42	18.80	134.88	208.27
25.44	17.95	144.88	194.31
25.46	16.92	154.66	180.94
25.48	15.96	158.66	186.75
25.50	15.12	161.54	186.75

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	14.61	162.65	192.57
25.54	14.46	158.43	208.27
25.56	14.55	148.87	225.71
25.58	14.79	136.65	243.73
25.60	14.94	125.09	248.97
25.62	15.13	115.76	255.94
25.64	15.36	108.20	260.60
25.66	15.41	104.87	258.85
25.68	15.37	103.76	254.20
25.70	15.07	103.09	237.92
25.72	14.51	104.64	223.96
25.74	14.18	105.53	226.29
25.76	13.94	105.75	223.96
25.78	13.82	104.86	228.03
25.80	13.74	104.19	230.36
25.82	13.76	100.64	239.08
25.84	13.86	95.97	245.48
25.86	14.04	91.97	252.45
25.88	14.10	89.08	248.97
25.90	13.98	88.64	238.50
25.92	13.76	88.19	228.03
25.94	13.40	87.75	215.24
25.96	13.11	87.53	208.85
25.98	12.77	87.08	200.70
26.00	12.32	88.19	194.89
26.02	12.11	87.75	202.45
26.04	12.05	85.75	214.08
26.06	12.24	82.86	229.20
26.08	12.57	80.42	244.90
26.10	12.72	79.08	240.24
26.12	12.32	77.34	248.97
26.14	12.04	77.79	236.18
26.16	11.85	79.79	229.78
26.18	11.80	81.57	229.20
26.20	11.83	83.34	226.87
26.22	11.90	84.23	228.61
26.24	11.90	83.57	225.71
26.26	12.05	81.34	236.18
26.28	12.45	78.01	247.22
26.30	12.92	76.23	246.64
26.32	13.47	76.23	251.29
26.34	14.06	76.01	251.29
26.36	14.60	77.12	251.29
26.38	14.98	78.01	251.29
26.40	14.86	81.12	246.06
26.42	14.43	84.68	236.76
26.44	13.91	88.23	232.10
26.46	13.72	91.12	239.08
26.48	13.81	93.56	248.97
26.50	13.94	95.12	253.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	14.13	96.23	253.03
26.54	14.25	94.45	252.45
26.56	14.35	93.12	252.45
26.58	14.40	92.45	252.45
26.60	14.09	93.34	246.06
26.62	13.54	95.11	236.76
26.64	13.15	95.56	240.24
26.66	12.92	95.11	244.31
26.68	12.64	93.78	244.90
26.70	12.40	91.33	246.06
26.72	12.20	89.55	248.97
26.74	12.03	87.33	249.55
26.76	11.80	84.89	246.64
26.78	11.56	84.88	247.22
26.80	11.36	83.33	246.06
26.82	10.93	81.77	233.27
26.84	10.29	80.88	220.48
26.86	9.67	77.99	215.24
26.88	9.33	75.32	223.96
26.90	9.13	71.55	230.36
26.92	9.08	67.32	241.99
26.94	9.06	63.77	245.48
26.96	9.07	60.43	249.55
26.98	9.04	57.77	248.39
27.00	8.94	56.66	241.99
27.02	8.80	56.66	237.34
27.04	8.71	56.43	237.34
27.06	8.70	56.88	241.40
27.08	8.82	57.10	249.55
27.10	9.08	57.54	257.69
27.12	9.50	57.57	259.43
27.14	10.24	55.35	260.01
27.16	10.99	55.13	261.18
27.18	11.62	55.80	261.18
27.20	12.10	56.91	259.43
27.22	12.44	59.58	254.78
27.24	12.76	62.03	259.43
27.26	12.94	65.36	258.85
27.28	12.99	68.25	257.69
27.30	12.96	72.69	255.94
27.32	12.96	76.03	255.94
27.34	13.04	79.14	260.60
27.36	13.15	81.36	263.50
27.38	13.10	84.69	258.27
27.40	12.58	85.36	241.99
27.42	12.17	83.80	244.31
27.44	12.25	81.80	258.85
27.46	12.39	79.80	264.08
27.48	12.44	77.13	263.50
27.50	12.25	74.69	260.60

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **20\05\11**

Preforo **0.50 m. p.c.** Falda **2.10 ml**

Prova **1**

Cert. N. **571/2011**

Emesso il **20/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	11.87	71.80	255.36
27.54	11.38	68.91	245.48
27.56	10.40	70.02	233.85
27.58	9.25	72.91	222.22
27.60	7.82	78.46	212.92
27.62	6.91	94.46	214.08
27.64	7.09	124.24	271.64
27.66	8.91	145.13	279.78
27.68	10.54	136.90	259.43
27.70	9.63	117.12	236.76
27.72	6.98	109.12	174.54
27.74	4.77	107.34	211.75
27.76	3.48	116.01	215.24
27.78	3.02	129.56	225.13
27.80	2.66	136.23	221.64
27.82	2.54	125.56	450.14
27.84	2.24	109.34	742.60
27.86	2.04	91.12	888.54
27.88	1.82	84.23	916.45
27.90	1.65	65.78	937.38
27.92	1.57	59.56	954.24
27.94	1.50	65.34	961.21
27.96	1.46	61.34	953.08
27.98	1.53	51.56	956.56
28.00	1.54	46.67	922.26
28.02	1.59	40.67	875.75
28.04	1.60	33.34	935.05
28.06	1.63	31.79	907.14
28.08	1.65	30.68	849.58
28.10	1.69	30.68	805.39
28.12	1.92	29.83	618.75
28.14	1.95	33.16	643.76
28.16	2.20	36.05	726.90
28.18	2.69	39.61	779.81
28.20	3.27	45.61	654.22
28.22	3.76	49.61	568.17
28.24	4.25	51.84	502.47
28.26	4.60	51.61	448.98
28.28	4.80	42.28	423.40
28.30	5.22	45.84	423.40
28.32	5.96	59.62	447.23
28.34	6.93	64.51	475.14
28.36	7.56	71.62	420.49
28.38	7.90	74.73	357.11
28.40	7.87	63.40	286.18
28.42	7.55	50.95	224.55
28.44	7.00	50.29	185.01
28.46	6.54	63.40	163.50
28.48	6.11	85.18	128.61
28.50	5.82	97.40	110.00

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	5.69	107.18	103.61
28.54	5.73	116.07	96.63
28.56	5.61	108.73	79.19
28.58	5.44	100.73	65.81
28.60	5.16	91.62	46.05
28.62	4.98	83.40	32.09
28.64	4.61	79.18	15.23
28.66	3.89	66.73	60.00
28.68	3.37	60.51	245.48
28.70	3.06	68.95	360.02
28.72	2.94	81.18	637.36
28.74	2.79	85.40	411.19
28.76	2.37	84.73	290.83
28.78	1.97	81.40	413.51
28.80	1.73	72.29	714.69
28.82	1.66	60.95	832.72
28.84	1.65	51.62	889.70
28.86	1.62	45.84	925.75
28.88	1.59	41.17	933.30
28.90	1.58	36.73	971.68
28.92	1.62	31.17	1019.36
28.94	1.67	26.51	1022.85
28.96	1.72	24.73	999.59
28.98	1.75	24.06	969.36
29.00	1.77	23.84	934.47
29.02	1.73	24.73	916.45
29.04	1.71	24.73	928.08
29.06	1.72	23.62	937.96
29.08	1.72	24.07	948.42
29.10	1.76	24.99	1042.03
29.12	1.80	25.87	1005.99
29.14	1.79	26.10	975.75
29.16	1.69	24.99	958.89
29.18	1.61	24.77	930.40
29.20	1.55	23.88	894.93
29.22	1.48	22.77	878.07
29.24	1.48	20.32	895.51
29.26	1.53	17.88	922.84
29.28	1.61	15.43	973.42
29.30	1.73	14.77	892.60
29.32	1.84	15.21	907.72
29.34	2.12	17.44	942.61
29.36	2.59	18.99	1026.92
29.38	3.38	26.99	935.63
29.40	4.21	45.00	660.03
29.42	4.77	65.00	432.11
29.44	5.24	81.89	417.58
29.46	5.66	97.66	226.87
29.48	6.17	123.00	176.29
29.50	7.15	147.89	90.23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	7.74	170.11	-27.21
29.54	8.30	200.33	-40.00
29.56	8.64	230.11	-40.59
29.58	8.69	255.67	-37.10
29.60	8.49	279.22	-38.26
29.62	7.74	306.33	-48.72
29.64	6.57	337.22	-59.19
29.66	5.57	361.22	-64.42
29.68	4.93	369.88	-66.75
29.70	4.74	385.43	-61.52
29.72	5.64	376.31	180.36
29.74	7.36	345.64	285.60
29.76	9.02	323.41	275.13
29.78	10.32	293.85	324.55
29.80	11.24	269.62	347.23
29.82	11.71	256.73	359.44
29.84	11.93	209.17	362.34
29.86	12.17	173.61	387.93
29.88	12.53	178.71	433.86
29.90	13.04	185.38	492.00
29.92	13.36	193.82	530.96
29.94	13.50	202.70	543.17
29.96	13.46	212.70	529.80
29.98	13.19	232.70	496.65
30.00	12.89	260.69	465.26
30.02	12.74	280.47	440.26
30.04	12.79	272.69	470.49
30.06	12.77	229.13	484.44
30.08	12.82	221.57	521.08
30.10	12.95	217.79	835.05
30.12	12.82	217.12	761.20
30.14	12.74	206.23	708.30
30.16	12.69	198.23	677.48
30.18	12.55	197.57	647.82
30.20	12.37	195.57	634.45
30.22	12.32	192.68	625.73
30.24	12.17	192.23	602.48
30.26	12.13	189.12	671.08
30.28	11.42	189.56	682.71
30.30	14.00	231.34	1154.83
30.32	18.54	308.89	313.50
30.34	18.17	253.12	342.58
30.36	9.08	285.56	29.77
30.38	7.08	276.45	100.12
30.40	4.96	260.22	129.19
30.42	3.29	295.78	289.67
30.44	3.91	273.10	865.28
30.46	8.31	247.99	1642.65
30.48	8.31	254.44	44.89
30.50	5.83	287.54	-30.70

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova **1**

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	6.12	247.99	13.49
30.54	6.43	276.43	65.81
30.56	7.46	280.43	146.63
30.58	7.82	276.65	182.10
30.60	7.91	263.31	193.15
30.62	8.07	239.53	214.08
30.64	8.30	183.97	244.31
30.66	8.32	153.75	265.25
30.68	8.52	147.08	320.48
30.70	8.24	154.64	290.25
30.72	8.72	189.75	357.11
30.74	9.51	208.19	419.90
30.76	9.93	204.85	451.89
30.78	9.97	176.85	438.51
30.80	9.71	173.08	412.93
30.82	8.74	139.74	335.60
30.84	8.12	132.85	310.60
30.86	7.55	163.30	253.03
30.88	6.72	190.41	187.33
30.90	5.48	205.30	111.17
30.92	5.11	178.63	115.24
30.94	5.28	191.96	127.45
30.96	5.52	210.41	143.15
30.98	5.82	217.52	211.17
31.00	5.41	205.30	160.00
31.02	4.75	212.41	114.08
31.04	4.32	228.63	83.84
31.06	3.88	233.96	86.75
31.08	4.92	156.00	838.53
31.10	5.76	164.89	610.03
31.12	6.72	184.44	586.78
31.14	8.05	192.00	631.55
31.16	8.65	180.89	573.40
31.18	8.59	145.55	442.58
31.20	7.68	102.89	329.79
31.22	7.09	86.67	306.53
31.24	7.09	95.78	339.09
31.26	7.63	124.22	370.49
31.28	7.95	149.11	329.20
31.30	7.70	165.11	272.80
31.32	7.59	157.33	257.69
31.34	8.02	141.55	275.13
31.36	8.61	142.44	310.60
31.38	9.15	136.89	333.27
31.40	9.24	124.44	287.34
31.42	8.14	115.33	168.73
31.44	6.56	92.22	72.21
31.46	5.25	89.11	24.53
31.48	4.33	103.78	5.93
31.50	3.79	119.78	1.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	3.14	131.56	28.02
31.54	2.88	144.67	186.75
31.56	2.60	148.89	312.92
31.58	2.32	146.67	497.23
31.60	2.16	126.22	619.92
31.62	2.03	105.11	639.10
31.64	2.29	92.67	821.09
31.66	3.19	82.89	1151.34
31.68	3.60	70.00	876.33
31.70	3.02	58.45	643.76
31.72	2.60	53.11	553.05
31.74	2.31	58.22	563.52
31.76	2.22	60.45	732.13
31.78	2.29	56.01	792.02
31.80	2.58	62.45	935.63
31.82	2.90	70.23	996.10
31.84	3.09	70.01	892.60
31.86	3.92	72.45	1004.82
31.88	5.79	73.57	1207.74
31.90	7.28	76.01	1054.24
31.92	6.92	73.57	746.09
31.94	5.95	62.68	485.02
31.96	4.89	70.02	324.55
31.98	4.03	81.57	256.52
32.00	3.39	100.91	253.03
32.02	2.80	115.58	301.88
32.04	2.37	129.36	380.37
32.06	2.00	128.47	546.66
32.08	2.18	104.72	1034.48
32.10	2.31	100.50	944.35
32.12	2.24	84.94	916.45
32.14	2.14	67.61	764.11
32.16	1.82	54.06	769.34
32.18	1.71	43.17	872.84
32.20	1.59	36.28	949.00
32.22	1.60	31.84	1047.27
32.24	1.68	30.73	1106.57
32.26	1.68	28.50	1087.97
32.28	1.53	27.39	1049.59
32.30	1.47	22.06	1105.99
32.32	1.50	17.84	1129.83
32.34	1.55	15.18	1171.11
32.36	1.63	14.29	1187.97
32.38	1.67	14.95	1174.60
32.40	1.95	15.18	1220.53
32.42	2.47	15.85	1257.16
32.44	2.70	20.07	904.23
32.46	2.25	22.07	710.04
32.48	1.92	23.85	808.30
32.50	1.68	25.86	937.38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	1.57	24.52	1009.48
32.54	1.52	23.19	1103.67
32.56	1.51	22.53	1147.85
32.58	1.51	23.41	1172.86
32.60	1.54	18.97	1198.44
32.62	1.52	15.86	1187.97
32.64	1.52	14.75	1201.93
32.66	1.63	13.42	1258.32
32.68	1.78	13.64	1212.39
32.70	1.79	16.31	1130.41
32.72	1.76	18.53	1094.36
32.74	1.70	20.76	1070.52
32.76	1.66	21.65	1109.48
32.78	1.62	21.65	1157.16
32.80	1.64	20.99	1183.90
32.82	1.67	21.43	1211.23
32.84	1.64	19.65	1185.65
32.86	2.08	20.10	1331.00
32.88	2.91	17.66	1594.39
32.90	2.89	16.77	1059.48
32.92	3.08	46.99	804.81
32.94	4.76	84.33	1096.10
32.96	7.29	100.55	1091.46
32.98	8.82	111.66	797.83
33.00	9.19	115.66	651.31
33.02	9.19	129.00	587.36
33.04	8.90	142.33	515.26
33.06	8.82	141.67	540.26
33.08	8.44	140.56	426.30
33.10	7.52	148.56	332.11
33.12	7.58	152.12	360.02
33.14	8.61	154.34	392.58
33.16	9.15	147.67	353.04
33.18	9.30	142.56	306.53
33.20	8.70	133.45	208.27
33.22	7.50	95.89	98.96
33.24	5.90	77.66	64.65
33.26	4.63	81.66	155.36
33.28	3.82	95.00	255.36
33.30	3.42	116.77	335.02
33.32	2.91	139.44	588.52
33.34	2.56	142.99	750.74
33.36	2.51	149.66	830.40
33.38	2.62	139.43	959.47
33.40	3.26	121.65	1091.46
33.42	5.34	108.10	1448.45
33.44	8.82	101.43	1566.48
33.46	11.72	96.98	694.92
33.48	12.99	88.53	566.42
33.50	13.26	64.98	442.00

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova 1

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.52	13.19	64.31	410.60
33.54	13.18	74.09	412.93
33.56	13.14	82.75	429.79
33.58	13.28	93.64	472.23
33.60	14.37	110.53	604.22
33.62	15.98	126.75	560.03
33.64	16.92	135.41	325.71
33.66	17.75	140.75	268.15
33.68	17.94	125.19	242.57
33.70	17.23	102.52	216.40
33.72	16.39	96.52	222.22
33.74	15.64	103.85	236.18
33.76	14.64	122.96	222.80
33.78	13.80	152.74	229.78
33.80	13.14	178.29	255.94
33.82	13.06	196.95	329.79
33.84	13.41	202.95	405.95
33.86	13.47	196.73	366.41
33.88	13.29	175.61	353.62
33.90	13.14	153.38	382.11
33.92	13.02	132.05	419.32
33.94	13.08	115.38	453.63
33.96	12.97	113.15	453.63
33.98	12.58	124.04	441.42
34.00	11.94	138.70	414.67
34.02	10.90	154.03	365.25
34.04	9.90	167.14	346.65
34.06	9.71	176.69	411.19
34.08	11.07	180.93	435.02
34.10	10.70	186.48	214.66
34.12	9.51	171.82	78.60
34.14	7.90	159.15	29.77
34.16	5.90	158.70	4.77
34.18	4.41	169.37	67.56
34.20	3.52	182.48	232.10
34.22	3.04	196.26	432.70
34.24	2.80	200.47	621.08
34.26	3.35	189.81	865.86
34.28	4.34	159.58	858.89
34.30	4.24	123.14	612.94
34.32	3.79	93.14	586.20
34.34	3.80	80.02	643.76
34.36	3.74	70.69	572.82
34.38	2.98	59.35	493.17
34.40	2.41	48.91	625.15
34.42	2.09	51.80	741.43
34.44	1.99	55.35	849.00
34.46	1.99	55.80	889.70
34.48	1.89	50.91	797.25
34.50	1.73	49.58	764.11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.52	1.58	45.58	800.74
34.54	1.43	38.03	855.98
34.56	1.36	26.47	951.33
34.58	1.36	20.92	1039.13
34.60	1.39	17.59	1082.73
34.62	1.41	16.26	1091.46
34.64	1.47	14.03	1140.30
34.66	1.88	11.81	1262.98
34.68	2.43	11.37	1313.56
34.70	2.59	17.82	1115.30
34.72	2.44	34.93	811.20
34.74	2.20	53.38	727.48
34.76	1.96	64.49	814.11
34.78	1.83	68.94	871.10
34.80	1.79	70.50	911.21
34.82	1.76	69.83	932.14
34.84	1.74	61.83	936.80
34.86	1.82	50.94	961.80
34.88	1.95	41.61	979.82
34.90	2.25	36.28	928.66
34.92	2.70	36.28	824.58
34.94	3.20	35.84	776.90
34.96	3.76	33.39	746.09
34.98	4.59	33.40	750.16
35.00	5.81	36.73	678.64
35.02	6.72	36.73	532.12
35.04	7.33	74.11	412.35
35.06	7.56	73.88	315.83
35.08	7.27	83.00	314.09
35.10	7.67	98.33	298.97
35.12	8.48	119.89	232.69
35.14	8.72	133.22	160.00
35.16	8.88	143.88	114.08
35.18	9.30	130.11	119.30
35.20	9.68	90.99	151.87
35.22	10.34	83.44	231.52
35.24	11.24	92.77	279.20
35.26	11.83	103.44	261.76
35.28	12.09	111.21	241.99
35.30	12.20	116.10	229.78
35.32	12.05	123.88	200.70
35.34	11.60	114.99	166.40
35.36	11.30	106.10	183.26
35.38	11.83	115.65	283.27
35.40	12.65	136.31	330.37
35.42	12.94	151.42	339.09
35.44	12.73	171.20	310.01
35.46	12.30	158.97	276.29
35.48	11.68	152.75	247.22
35.50	11.39	161.64	263.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.52	11.60	167.41	328.62
35.54	12.12	163.19	398.98
35.56	12.62	152.96	455.37
35.58	13.30	141.40	507.70
35.60	13.91	129.62	554.80
35.62	14.21	113.62	575.15
35.64	14.23	101.39	564.68
35.66	13.93	92.50	537.93
35.68	13.52	95.61	526.30
35.70	13.00	100.94	516.42
35.72	12.23	112.05	483.28
35.74	11.70	125.60	478.05
35.76	11.38	136.27	496.65
35.78	11.31	142.93	542.00
35.80	11.25	141.15	585.03
35.82	11.28	137.37	630.38
35.84	11.26	125.59	655.97
35.86	11.30	106.03	691.43
35.88	11.22	90.03	707.71
35.90	11.09	78.92	705.97
35.92	10.92	75.36	710.62
35.94	10.73	79.36	714.69
35.96	10.58	86.25	728.06
35.98	10.42	91.58	736.79
36.00	10.10	97.13	715.85
36.02	9.53	103.13	670.50
36.04	9.53	105.82	540.26
36.06	9.15	118.94	469.91
36.08	8.74	133.83	400.72
36.10	8.10	144.94	320.48
36.12	7.35	153.60	257.10
36.14	6.65	162.49	206.52
36.16	6.04	175.38	165.24
36.18	5.38	180.49	125.70
36.20	4.73	167.38	126.87
36.22	4.18	156.71	137.33
36.24	3.83	152.04	204.78
36.26	3.73	147.37	272.80
36.28	3.51	138.03	367.00
36.30	3.46	127.14	471.07
36.32	3.43	114.48	465.26
36.34	3.79	102.92	619.92
36.36	4.59	100.47	662.94
36.38	5.19	93.14	554.21
36.40	5.07	79.14	432.11
36.42	5.09	62.03	430.37
36.44	5.19	71.36	403.04
36.46	4.60	80.03	275.71
36.48	3.87	76.70	231.52
36.50	3.56	68.26	285.01

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 20\05\11

Preforo 0.50 m. p.c. Falda 2.10 ml

Prova **1**

Cert. N. 571/2011

Emesso il 20/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.52	3.86	82.70	405.95
36.54	4.16	90.92	478.63
36.56	4.29	87.15	433.28
36.58	4.60	85.37	430.37
36.60	4.82	88.93	387.93
36.62	4.02	84.26	233.27
36.64	3.24	71.15	220.48
36.66	2.74	70.49	294.32
36.68	2.36	80.26	486.19
36.70	2.26	87.38	867.60
36.72	2.29	85.82	1003.66
36.74	2.15	84.71	835.63
36.76	2.08	74.71	1061.22
36.78	2.14	64.27	1159.48
36.80	2.02	52.94	943.19
36.82	1.92	42.50	1032.15
36.84	2.25	35.16	1265.89
36.86	3.08	35.83	1377.52
36.88	4.15	38.05	1032.73
36.90	4.82	39.39	749.58
36.92	5.53	42.06	675.73
36.94	6.01	46.95	596.66
36.96	6.39	44.95	519.33
36.98	6.73	48.51	443.74
37.00	7.00	52.73	376.30
37.02	6.71	54.73	266.41
37.04	5.51	70.77	392.58
37.06	4.43	70.77	338.50
37.08	3.72	86.32	324.55
37.10	3.17	116.54	284.43
37.12	2.82	145.66	696.67
37.14	3.03	152.77	918.77
37.16	3.31	144.99	826.32
37.18	3.50	130.77	830.98
37.20	3.59	112.32	716.43
37.22	3.19	90.76	565.26
37.24	2.79	60.32	583.29
37.26	2.76	38.76	839.70
37.28	2.98	37.65	939.70
37.30	2.77	46.54	743.76
37.32	2.39	46.76	712.36
37.34	2.03	46.76	825.74
37.36	1.92	41.87	1012.96
37.38	1.88	34.54	1160.06
37.40	1.92	29.65	1230.42
37.42	2.02	29.87	1293.79
37.44	2.57	28.09	1356.59
37.46	3.78	28.54	1424.61
37.48	3.86	26.98	853.65
37.50	2.96	29.87	546.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.52	2.35	52.10	393.74
37.54	1.86	72.54	776.32
37.56	1.73	81.87	1192.04
37.58	1.74	79.21	1340.30
37.60	1.81	77.65	1373.45
37.62	1.86	77.88	1414.73
37.64	1.85	60.77	1311.82
37.66	1.87	37.43	1374.03
37.68	1.91	21.43	1383.91
37.70	1.82	18.32	1293.21
37.72	1.82	19.65	1369.38
37.74	2.00	19.21	1453.69
37.76	2.16	19.88	1361.24
37.78	2.10	25.21	1289.14
37.80	2.10	27.66	1282.75
37.82	2.17	31.88	1306.59
37.84	2.18	33.21	1312.98
37.86	2.12	34.33	1131.58
37.88	2.01	38.77	1121.11
37.90	2.01	39.88	1220.53
37.92	2.09	38.11	1255.42
37.94	2.16	36.77	1268.79
37.96	2.32	35.00	1260.65
37.98	2.52	36.77	1245.53
38.00	2.56	37.66	1140.30
38.02	2.58	40.11	1009.48
38.04	3.24	33.69	766.44
38.06	3.81	51.47	862.95
38.08	5.38	64.58	1098.43
38.10	7.59	83.02	1105.41
38.12	9.16	96.36	993.78
38.14	10.51	98.80	951.33
38.16	11.79	103.25	949.00
38.18	12.46	110.58	911.21
38.20	12.79	107.47	876.91
38.22	12.93	101.91	843.77
38.24	13.12	106.36	849.58
38.26	13.29	117.25	857.72
38.28	13.42	129.47	875.75
38.30	13.48	142.35	898.42
38.32	13.65	153.02	920.51
38.34	13.75	161.24	952.50
38.36	13.77	161.68	973.42
38.38	13.69	159.67	981.57
38.40	13.45	151.67	980.99
38.42	13.00	142.78	954.82
38.44	12.68	135.44	962.38
38.46	12.32	130.55	954.24
38.48	11.82	128.99	919.93
38.50	11.17	131.43	887.96

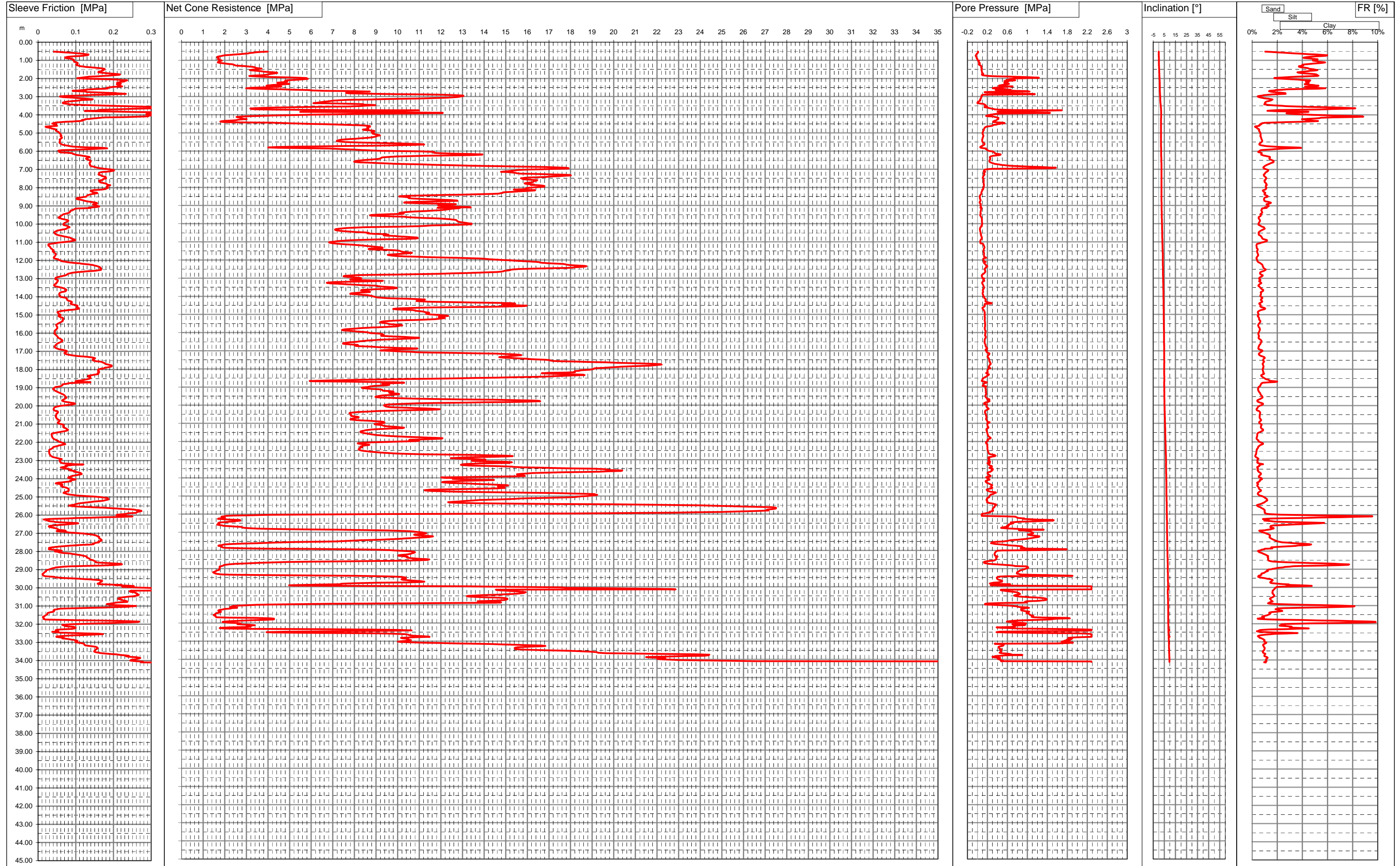
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.52	10.82	132.98	901.33
38.54	10.66	130.76	933.30
38.56	10.37	128.09	953.08
38.58	9.66	122.31	886.79
38.60	8.27	115.86	725.16
38.62	6.47	115.63	530.38
38.64	5.09	123.19	455.95
38.66	4.15	140.74	412.93
38.68	3.37	155.18	391.41
38.70	2.79	163.84	441.42
38.72	2.42	166.29	557.12
38.74	2.13	162.73	671.08
38.76	1.90	149.84	807.72
38.78	1.73	123.83	926.91
38.80	1.71	91.17	1070.52
38.82	1.72	65.83	1136.22
38.84	1.72	52.72	1167.62
38.86	1.70	44.05	1147.85
38.88	1.65	39.38	1151.92
38.90	1.62	34.49	1171.69
38.92	1.62	31.38	1205.41
38.94	1.66	30.05	1214.14
38.96	1.76	31.38	1242.63
38.98	1.85	31.16	1261.23
39.00	1.86	31.38	1255.42
39.02	1.84	35.16	1208.32
39.04	1.88	35.01	1176.92
39.06	1.86	38.12	1163.55
39.08	1.76	40.56	1165.88
39.10	1.73	40.12	1196.70
39.12	1.69	38.78	1210.65
39.14	1.69	36.12	1216.46
39.16	1.73	32.34	1243.79
39.18	2.06	29.89	1336.24
39.20	3.75	28.56	1318.80
39.22	6.33	27.01	1116.46
39.24	8.28	33.67	1049.59
39.26	9.50	37.45	972.84
39.28	10.05	44.56	848.42
39.30	10.56	53.90	814.70
39.32	11.11	65.90	822.83
39.34	11.86	79.23	802.49
39.36	12.74	90.12	371.65
39.38	13.60	100.79	363.50
39.40	14.25	112.57	359.44
39.42	14.37	123.90	422.23
39.44	14.56	134.12	462.35
39.46	14.78	148.56	479.21
39.48	14.91	165.00	493.75
39.50	15.32	171.44	474.56



Committente **AUTOBRENNERO SPA**  
 Località **MANTOVA NORD**  
 Cantiere **SOVRAPASSO N° 106**  
 Operatore **DR.STANZANI**  
 Prova nr. **2** Cert. N. **570/2011**  
 Data **19/05/11** Emesso il **19/05/11**  
 Falda **2.00 ml**  
 Preforo **0.50 m. p.c.**

**MN-CPTU4**

  
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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 570/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	3.99	41.79	13.49
0.54	3.64	55.13	11.16
0.56	3.40	70.02	12.90
0.58	3.33	84.46	11.74
0.60	3.16	99.35	5.93
0.62	3.08	109.13	-4.54
0.64	2.93	120.24	-10.93
0.66	2.70	125.13	-17.33
0.68	2.49	133.80	-18.49
0.70	2.24	132.91	-25.47
0.72	2.03	128.91	-30.12
0.74	1.94	122.02	-33.61
0.76	1.85	110.91	-34.19
0.78	1.76	96.25	-28.38
0.80	1.67	80.91	-22.56
0.82	1.65	76.24	-20.24
0.84	1.65	71.58	-19.07
0.86	1.68	71.36	-17.33
0.88	1.72	75.36	-16.75
0.90	1.72	84.47	-8.02
0.92	1.73	87.58	-2.80
0.94	1.68	92.25	-1.05
0.96	1.71	93.80	-0.47
0.98	1.77	95.58	0.70
1.00	1.83	93.36	8.25
1.02	1.86	94.69	33.26
1.04	1.79	95.81	24.53
1.06	1.74	95.81	23.95
1.08	1.71	95.59	25.70
1.10	1.68	100.70	26.28
1.12	1.67	103.37	35.58
1.14	1.77	104.26	43.14
1.16	1.89	105.60	48.37
1.18	2.07	104.71	45.47
1.20	2.16	104.33	25.11
1.22	2.35	102.99	28.02
1.24	2.41	101.00	31.51
1.26	2.46	101.88	43.14
1.28	2.49	105.44	61.16
1.30	2.61	107.89	75.12
1.32	2.89	111.89	75.70
1.34	3.09	119.45	79.19
1.36	3.27	126.78	79.19
1.38	3.38	136.34	75.12
1.40	3.43	147.45	79.77
1.42	3.45	157.67	79.77
1.44	3.57	167.23	83.84
1.46	3.70	174.79	91.40
1.48	3.57	177.01	86.17
1.50	3.43	177.01	79.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	3.22	171.90	79.19
1.54	3.16	173.23	82.68
1.56	3.27	171.01	85.59
1.58	3.48	168.12	86.17
1.60	3.67	167.90	87.91
1.62	3.79	161.45	89.65
1.64	3.93	159.68	90.23
1.66	4.29	160.12	93.72
1.68	4.41	168.12	96.63
1.70	4.43	179.68	91.98
1.72	4.31	188.12	105.93
1.74	4.21	202.79	115.24
1.76	4.05	212.12	115.82
1.78	4.03	217.46	89.07
1.80	3.92	214.12	88.49
1.82	3.77	199.90	103.61
1.84	3.39	189.23	143.73
1.86	3.14	172.12	218.73
1.88	3.34	154.12	343.16
1.90	3.68	135.01	686.20
1.92	4.11	129.01	915.86
1.94	4.74	118.79	1076.34
1.96	5.47	114.34	1232.16
1.98	5.79	103.68	981.57
2.00	5.80	119.45	735.62
2.02	5.84	155.01	694.92
2.04	5.72	187.01	640.85
2.06	5.48	207.90	634.45
2.08	5.22	219.02	582.12
2.10	4.87	236.35	755.97
2.12	4.81	232.35	703.64
2.14	4.78	229.69	539.10
2.16	4.85	228.58	619.33
2.18	4.90	218.84	580.38
2.20	4.74	216.17	559.45
2.22	4.56	211.51	545.50
2.24	4.42	209.06	535.61
2.26	4.58	213.95	596.66
2.28	4.79	219.95	621.66
2.30	4.99	218.40	632.71
2.32	4.77	208.62	585.61
2.34	4.56	210.62	542.59
2.36	4.22	215.06	492.59
2.38	4.05	215.29	451.30
2.40	3.93	219.51	427.46
2.42	4.38	217.51	508.28
2.44	4.62	223.28	705.97
2.46	4.51	197.51	558.87
2.48	4.08	192.84	482.12
2.50	3.57	183.50	426.30

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	3.21	181.95	327.46
2.54	2.99	185.28	305.36
2.56	3.25	178.61	364.67
2.58	3.95	153.28	561.19
2.60	4.69	131.95	559.45
2.62	5.29	126.61	668.18
2.64	5.92	113.95	366.41
2.66	5.97	106.17	583.87
2.68	6.55	91.06	753.65
2.70	7.96	108.17	1004.82
2.72	8.71	127.72	1043.78
2.74	8.04	128.17	255.36
2.76	7.71	151.50	143.15
2.78	7.98	180.40	175.12
2.80	7.61	206.62	494.91
2.82	7.78	211.29	510.03
2.84	8.50	233.07	891.44
2.86	9.86	212.40	1151.34
2.88	11.19	186.85	621.66
2.90	12.10	145.52	118.14
2.92	12.66	121.29	88.49
2.94	13.00	98.63	82.68
2.96	13.05	74.63	79.77
2.98	12.97	57.96	82.68
3.00	12.91	59.30	82.68
3.02	12.79	66.63	80.35
3.04	12.59	81.08	78.60
3.06	12.23	95.08	75.70
3.08	11.72	109.74	71.63
3.10	11.04	123.97	67.56
3.12	10.16	135.08	62.33
3.14	9.34	145.08	57.10
3.16	8.61	142.19	53.60
3.18	7.69	115.78	60.58
3.20	7.28	112.45	55.93
3.22	7.04	103.78	53.02
3.24	6.92	92.45	42.56
3.26	6.78	81.56	28.02
3.28	6.62	72.89	15.81
3.30	6.48	69.34	8.83
3.32	6.37	65.78	3.02
3.34	6.26	65.78	-1.05
3.36	6.10	65.78	0.70
3.38	7.08	71.56	42.56
3.40	8.02	81.56	113.49
3.42	8.42	80.89	136.75
3.44	8.43	96.89	145.47
3.46	8.88	128.45	159.42
3.48	8.97	158.90	160.59
3.50	8.48	196.23	154.78



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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **570/2011**

Emesso il **19/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	8.35	233.12	169.31
3.54	7.74	276.01	192.57
3.56	6.49	304.46	166.40
3.58	5.22	326.02	140.24
3.60	4.45	314.68	189.08
3.62	3.87	319.79	217.57
3.64	3.33	298.68	253.62
3.66	3.18	259.35	281.52
3.68	3.25	222.46	327.46
3.70	3.44	195.57	342.00
3.72	4.34	166.23	417.00
3.74	7.39	158.68	734.46
3.76	10.99	164.90	1691.49
3.78	10.04	123.34	1166.46
3.80	7.30	154.23	625.73
3.82	5.65	206.23	435.60
3.84	5.49	258.23	401.88
3.86	8.17	320.22	660.62
3.88	11.41	350.45	1123.43
3.90	12.09	344.00	1453.69
3.92	10.78	302.45	794.93
3.94	9.32	293.33	464.68
3.96	8.00	286.66	363.50
3.98	6.84	287.33	303.62
4.00	5.94	299.77	261.18
4.02	4.99	304.65	225.13
4.04	4.27	293.76	195.48
4.06	3.55	293.31	172.22
4.08	3.08	291.09	213.50
4.10	2.75	266.86	317.58
4.12	2.54	227.75	351.88
4.14	2.59	175.32	382.11
4.16	2.79	161.32	415.25
4.18	2.75	155.10	422.81
4.20	2.73	145.32	414.67
4.22	2.85	135.77	416.42
4.24	3.02	124.21	419.90
4.26	2.71	124.66	400.72
4.28	2.59	116.43	386.76
4.30	2.51	119.32	378.62
4.32	2.28	116.66	362.34
4.34	2.00	110.66	337.34
4.36	1.81	91.99	319.90
4.38	1.79	73.10	311.18
4.40	1.97	56.88	315.25
4.42	2.71	47.11	385.02
4.44	4.17	42.22	515.26
4.46	4.82	40.44	547.24
4.48	5.25	37.55	478.05
4.50	5.95	43.56	453.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	6.70	47.78	395.49
4.54	7.34	46.45	381.53
4.56	7.75	44.23	312.34
4.58	8.25	47.79	309.43
4.60	8.55	50.68	304.20
4.62	8.71	38.01	275.13
4.64	8.72	20.02	210.01
4.66	8.73	19.79	180.36
4.68	8.62	23.35	161.75
4.70	8.59	28.69	151.29
4.72	8.61	33.13	145.47
4.74	8.61	34.47	140.24
4.76	8.65	38.69	136.75
4.78	8.61	44.69	132.68
4.80	8.49	47.36	128.61
4.82	8.38	47.14	125.70
4.84	8.47	46.48	125.70
4.86	8.69	46.70	128.61
4.88	8.90	48.03	118.72
4.90	8.93	50.26	112.91
4.92	8.84	52.70	111.75
4.94	8.79	54.70	108.84
4.96	8.84	55.37	108.26
4.98	8.90	55.82	107.10
5.00	8.86	56.70	104.77
5.02	8.82	58.04	103.61
5.04	8.84	59.15	103.61
5.06	8.90	60.04	104.77
5.08	8.98	60.04	108.84
5.10	9.06	60.49	112.91
5.12	9.16	61.60	115.82
5.14	9.18	61.82	117.56
5.16	9.06	59.16	121.05
5.18	9.04	60.05	117.56
5.20	8.99	60.94	114.66
5.22	8.91	62.05	112.33
5.24	8.82	63.17	110.00
5.26	8.67	63.17	108.26
5.28	8.49	61.83	105.93
5.30	8.28	60.94	103.03
5.32	8.07	59.61	100.70
5.34	7.79	57.83	97.80
5.36	7.50	56.94	94.89
5.38	7.35	57.61	93.72
5.40	7.29	58.27	94.30
5.42	7.22	58.27	94.89
5.44	7.18	58.05	94.89
5.46	7.22	57.61	96.63
5.48	7.36	57.16	100.12
5.50	7.61	56.71	104.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	8.00	56.49	110.00
5.54	8.58	57.60	118.72
5.56	9.33	58.27	129.19
5.58	10.07	59.38	138.50
5.60	10.73	61.60	143.15
5.62	11.15	62.94	144.31
5.64	11.23	65.38	140.24
5.66	10.83	69.82	130.35
5.68	10.09	74.94	118.72
5.70	8.98	80.49	104.19
5.72	7.65	86.05	87.91
5.74	6.27	92.04	72.79
5.76	5.03	105.60	61.16
5.78	4.35	125.16	57.10
5.80	4.01	159.15	57.68
5.82	4.42	179.60	67.56
5.84	5.74	183.37	126.87
5.86	6.83	161.60	171.63
5.88	7.17	142.48	167.57
5.90	7.55	117.15	175.70
5.92	7.97	91.37	185.59
5.94	8.32	63.15	196.06
5.96	8.68	53.81	205.94
5.98	9.18	55.37	221.06
6.00	10.00	57.14	250.71
6.02	11.06	55.59	295.48
6.04	11.64	55.81	323.39
6.06	11.70	61.81	329.20
6.08	11.66	77.37	332.11
6.10	11.69	90.03	338.50
6.12	11.97	92.03	355.37
6.14	12.51	92.04	365.83
6.16	13.26	96.26	414.67
6.18	13.92	98.93	464.10
6.20	13.91	103.15	465.26
6.22	13.36	109.60	435.60
6.24	12.45	115.60	380.95
6.26	11.30	121.82	316.41
6.28	10.53	128.26	283.27
6.30	9.92	134.26	262.34
6.32	9.57	136.93	251.29
6.34	9.38	134.92	247.80
6.36	9.25	132.03	248.97
6.38	9.23	129.37	253.03
6.40	9.20	126.92	255.36
6.42	9.20	128.03	259.43
6.44	9.05	130.03	257.69
6.46	8.82	132.03	252.45
6.48	8.65	134.91	247.80
6.50	8.45	137.80	243.73

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 570/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	8.24	139.13	239.66
6.54	8.09	139.35	237.92
6.56	8.03	140.02	238.50
6.58	7.99	138.91	240.82
6.60	8.01	138.02	244.31
6.62	8.20	137.57	255.94
6.64	8.66	136.46	276.88
6.66	9.12	136.23	297.80
6.68	9.46	136.45	316.99
6.70	9.94	137.56	343.16
6.72	10.58	138.23	383.28
6.74	11.24	137.56	430.95
6.76	11.81	137.78	478.63
6.78	12.46	138.22	538.52
6.80	13.27	138.89	626.31
6.82	13.99	141.56	718.76
6.84	14.87	146.22	862.37
6.86	15.93	150.00	1064.71
6.88	16.82	152.89	1273.44
6.90	17.42	155.78	1445.55
6.92	17.79	161.55	1571.13
6.94	17.91	168.22	1465.90
6.96	17.89	175.55	1094.94
6.98	17.39	183.33	289.09
7.00	16.72	191.33	193.73
7.02	16.06	198.21	158.26
7.04	15.58	201.54	140.82
7.06	15.46	201.32	134.42
7.08	15.37	196.87	130.93
7.10	15.15	190.43	128.03
7.12	15.00	183.31	125.70
7.14	14.78	170.86	157.68
7.16	15.12	164.42	144.31
7.18	15.34	162.42	136.75
7.20	15.46	162.20	130.93
7.22	15.50	161.53	126.87
7.24	15.66	160.86	125.70
7.26	16.32	160.64	132.68
7.28	17.06	159.97	141.40
7.30	17.67	163.30	142.56
7.32	17.97	166.41	136.17
7.34	18.02	169.30	130.35
7.36	17.79	168.86	124.54
7.38	17.43	172.85	119.30
7.40	17.10	178.41	115.24
7.42	16.87	179.52	112.91
7.44	16.51	177.96	110.00
7.46	16.05	178.18	108.26
7.48	15.80	180.84	108.84
7.50	15.71	179.29	110.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	15.78	173.28	115.24
7.54	15.78	171.28	117.56
7.56	15.83	172.39	120.47
7.58	16.18	169.50	125.70
7.60	16.46	163.94	127.45
7.62	16.44	161.94	126.29
7.64	16.37	163.05	126.29
7.66	16.30	165.05	125.70
7.68	16.30	163.71	125.70
7.70	16.27	163.93	124.54
7.72	16.21	167.49	124.54
7.74	16.05	171.71	122.80
7.76	15.91	176.15	123.38
7.78	15.87	180.59	124.54
7.80	15.90	181.93	125.12
7.82	16.05	182.81	126.87
7.84	16.31	183.48	130.93
7.86	16.15	191.47	129.19
7.88	16.48	187.70	132.10
7.90	16.66	185.69	131.52
7.92	16.78	182.80	129.77
7.94	16.80	182.13	126.87
7.96	16.77	181.91	126.87
7.98	16.57	184.58	123.38
8.00	16.29	185.91	120.47
8.02	16.08	184.13	118.14
8.04	15.97	181.91	118.14
8.06	15.99	179.46	118.72
8.08	15.94	176.79	117.56
8.10	15.81	169.90	115.82
8.12	15.37	158.60	98.96
8.14	16.13	146.16	104.19
8.16	16.36	141.05	101.86
8.18	16.24	139.05	98.38
8.20	15.90	141.05	93.14
8.22	15.61	143.05	89.07
8.24	15.35	145.05	85.59
8.26	15.04	149.05	83.26
8.28	14.86	155.94	80.93
8.30	14.86	157.27	80.93
8.32	14.77	153.27	80.93
8.34	14.69	145.94	80.35
8.36	14.38	141.05	77.44
8.38	13.81	136.83	72.79
8.40	13.03	133.94	66.40
8.42	12.12	131.49	59.42
8.44	11.27	129.94	53.02
8.46	10.60	129.04	48.37
8.48	10.15	127.93	46.05
8.50	10.07	126.60	46.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	10.24	120.60	47.79
8.54	10.47	112.15	49.53
8.56	10.56	105.49	50.12
8.58	10.50	103.04	48.95
8.60	10.54	101.71	48.95
8.62	10.73	102.82	50.12
8.64	11.15	105.04	54.19
8.66	11.57	110.60	57.10
8.68	12.04	116.82	61.16
8.70	12.47	120.16	64.07
8.72	12.75	123.05	65.81
8.74	12.77	127.94	65.23
8.76	12.32	133.27	60.00
8.78	11.45	139.94	51.86
8.80	10.77	146.16	47.21
8.82	10.35	151.27	43.72
8.84	10.30	155.94	44.89
8.86	10.54	156.38	47.79
8.88	11.11	153.94	54.19
8.90	11.97	149.49	61.75
8.92	12.70	145.27	69.30
8.94	12.65	145.94	66.98
8.96	12.22	151.05	62.33
8.98	11.87	155.05	59.42
9.00	11.89	158.60	60.58
9.02	12.12	161.05	63.49
9.04	12.35	162.16	65.81
9.06	12.70	156.60	69.30
9.08	13.14	145.27	73.96
9.10	13.38	134.37	75.70
9.12	11.85	139.26	60.00
9.14	12.88	104.63	83.26
9.16	12.68	99.29	79.77
9.18	12.50	95.96	76.86
9.20	12.36	94.63	75.12
9.22	12.25	93.08	73.96
9.24	12.14	89.08	72.79
9.26	11.94	86.63	71.63
9.28	11.64	86.41	69.30
9.30	11.31	85.30	66.98
9.32	10.96	84.19	64.65
9.34	10.64	84.63	63.49
9.36	10.40	83.52	62.91
9.38	10.24	82.19	62.33
9.40	10.08	79.74	61.75
9.42	10.08	75.96	63.49
9.44	10.29	71.52	66.98
9.46	10.24	67.96	66.40
9.48	9.67	65.52	60.58
9.50	9.11	64.41	57.10

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19\05\11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **570/2011**

Emesso il **19/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	8.79	62.85	55.93
9.54	8.72	61.29	55.93
9.56	8.84	60.63	58.84
9.58	9.20	59.29	63.49
9.60	9.82	57.52	69.89
9.62	10.32	55.07	75.12
9.64	10.46	54.19	76.28
9.66	10.73	55.07	79.19
9.68	11.16	57.52	83.26
9.70	11.60	60.41	86.75
9.72	11.99	64.19	88.49
9.74	12.27	68.85	89.07
9.76	12.44	73.52	89.65
9.78	12.61	77.52	90.82
9.80	12.71	79.96	90.23
9.82	12.72	80.19	89.65
9.84	12.74	79.96	89.65
9.86	12.78	78.85	89.65
9.88	12.78	76.63	90.23
9.90	12.83	73.74	90.82
9.92	12.96	72.18	92.56
9.94	13.08	70.18	93.14
9.96	13.17	68.85	93.72
9.98	13.29	67.96	94.89
10.00	13.43	67.29	94.89
10.02	13.43	66.85	94.30
10.04	13.34	67.29	93.72
10.06	12.93	68.63	90.23
10.08	12.14	72.63	83.84
10.10	11.52	77.29	80.35
10.12	11.25	78.66	91.40
10.14	10.94	80.22	85.00
10.16	10.09	82.88	75.70
10.18	9.16	83.77	66.98
10.20	8.43	80.44	61.16
10.22	7.95	77.33	57.10
10.24	7.65	76.21	54.19
10.26	7.41	74.88	52.44
10.28	7.27	71.10	51.28
10.30	7.15	65.77	50.70
10.32	7.10	60.44	50.70
10.34	7.10	55.77	51.28
10.36	7.15	52.21	51.86
10.38	7.26	48.88	53.02
10.40	7.40	46.88	54.19
10.42	7.58	44.88	55.93
10.44	7.81	43.54	58.26
10.46	8.07	43.10	60.58
10.48	8.45	43.54	64.07
10.50	8.65	43.54	65.81

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	8.67	44.43	64.07
10.54	8.60	45.77	62.91
10.56	8.92	47.32	66.98
10.58	9.42	48.88	72.21
10.60	9.57	50.88	73.38
10.62	9.49	55.55	71.63
10.64	9.36	60.88	69.89
10.66	9.50	65.33	73.38
10.68	9.84	68.66	78.02
10.70	10.06	72.88	79.77
10.72	10.33	78.44	82.68
10.74	10.66	83.33	86.17
10.76	10.89	85.99	88.49
10.78	10.92	86.66	89.07
10.80	10.93	88.66	89.65
10.82	10.86	91.99	89.65
10.84	10.34	95.10	83.84
10.86	9.38	97.99	74.54
10.88	8.61	98.88	68.14
10.90	8.12	97.10	64.65
10.92	7.76	93.32	61.75
10.94	7.45	88.66	60.00
10.96	7.23	82.66	58.84
10.98	7.09	73.54	58.26
11.00	6.96	63.77	57.68
11.02	6.83	54.21	57.10
11.04	6.83	48.43	57.68
11.06	6.91	43.10	59.42
11.08	7.03	37.10	61.16
11.10	7.19	28.51	110.59
11.12	7.42	27.17	114.08
11.14	7.65	27.17	116.98
11.16	7.89	27.17	121.05
11.18	8.16	27.62	125.12
11.20	8.34	28.28	128.03
11.22	8.52	29.84	130.35
11.24	8.67	31.17	132.68
11.26	8.83	32.28	136.17
11.28	9.06	32.73	140.24
11.30	9.22	33.17	143.15
11.32	9.31	33.39	139.66
11.34	9.27	34.28	137.91
11.36	9.01	35.84	133.26
11.38	8.71	37.17	127.45
11.40	8.65	38.06	128.03
11.42	8.88	39.61	125.70
11.44	9.36	41.83	127.45
11.46	9.83	40.94	125.70
11.48	10.02	39.17	122.80
11.50	10.09	38.50	121.63

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	10.15	39.39	121.05
11.54	10.19	40.94	121.63
11.56	10.31	42.50	123.96
11.58	10.48	44.28	129.19
11.60	10.67	44.72	132.10
11.62	10.61	45.38	134.42
11.64	10.45	46.50	134.42
11.66	10.16	46.71	132.10
11.68	9.90	46.71	130.93
11.70	9.64	46.05	129.77
11.72	9.54	46.05	130.93
11.74	9.59	45.82	131.52
11.76	9.75	44.71	132.10
11.78	9.93	43.38	132.68
11.80	10.31	42.49	131.52
11.82	10.88	42.04	142.56
11.84	11.38	41.60	151.29
11.86	11.98	41.82	164.08
11.88	12.66	42.93	174.54
11.90	13.32	44.48	137.91
11.92	13.83	49.15	121.05
11.94	14.10	54.04	119.89
11.96	14.25	54.26	116.98
11.98	14.48	55.81	118.14
12.00	14.85	58.92	122.21
12.02	15.21	60.92	123.96
12.04	15.47	63.37	124.54
12.06	15.76	67.81	126.87
12.08	16.12	73.14	128.61
12.10	16.36	79.14	166.99
12.12	16.56	86.69	134.42
12.14	16.59	98.25	128.03
12.16	16.72	109.36	130.93
12.18	17.01	116.69	136.75
12.20	17.34	124.47	144.89
12.22	17.64	132.91	153.61
12.24	17.78	141.58	158.26
12.26	17.81	146.69	162.33
12.28	17.98	149.80	170.47
12.30	18.22	154.02	179.20
12.32	18.63	157.57	193.15
12.34	18.73	160.68	198.38
12.36	18.70	162.68	198.38
12.38	18.52	164.45	179.78
12.40	18.19	165.56	171.05
12.42	18.10	164.67	169.31
12.44	17.80	165.11	167.57
12.46	17.00	167.33	156.52
12.48	16.13	167.33	146.63
12.50	15.60	167.32	143.15

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **570/2011**

Emesso il **19/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	15.33	166.88	143.73
12.54	15.22	160.65	148.96
12.56	15.20	153.54	154.19
12.58	15.07	143.09	155.36
12.60	14.93	130.64	155.36
12.62	14.89	118.42	158.84
12.64	14.81	106.63	158.84
12.66	14.59	96.85	157.68
12.68	14.18	89.96	151.29
12.70	13.75	85.96	147.21
12.72	13.15	81.73	138.50
12.74	12.48	78.84	129.77
12.76	11.87	77.95	122.80
12.78	11.05	76.18	113.49
12.80	9.84	74.62	99.54
12.82	8.69	72.40	90.23
12.84	8.04	68.61	86.75
12.86	7.71	64.39	86.17
12.88	7.52	60.17	87.33
12.90	7.50	55.72	88.49
12.92	7.61	51.95	91.40
12.94	7.80	48.39	94.30
12.96	8.03	46.61	96.63
12.98	8.20	46.39	98.38
13.00	8.32	47.28	98.96
13.02	8.26	45.55	137.33
13.04	8.17	47.11	131.52
13.06	7.90	50.22	122.21
13.08	7.80	52.00	118.72
13.10	8.05	52.89	121.05
13.12	8.72	52.67	131.52
13.14	9.32	52.22	139.08
13.16	9.26	51.78	134.42
13.18	8.58	50.89	120.47
13.20	7.66	49.56	107.10
13.22	7.05	48.45	98.96
13.24	6.78	49.11	94.30
13.26	6.72	49.11	93.72
13.28	6.85	47.78	96.05
13.30	7.10	45.56	98.96
13.32	7.39	43.56	103.03
13.34	7.69	42.45	105.93
13.36	7.99	42.22	109.42
13.38	8.28	42.22	112.91
13.40	8.67	43.11	118.14
13.42	9.00	45.56	121.63
13.44	9.10	50.23	122.21
13.46	9.21	54.67	123.38
13.48	9.48	58.45	127.45
13.50	9.79	62.45	131.52

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	9.92	66.23	132.10
13.54	9.97	69.12	132.10
13.56	9.91	71.34	130.93
13.58	9.68	72.45	127.45
13.60	9.22	74.01	119.89
13.62	8.73	75.12	112.91
13.64	8.42	74.67	108.84
13.66	8.32	74.23	108.26
13.68	8.31	73.56	108.84
13.70	8.40	71.56	110.59
13.72	8.56	68.67	113.49
13.74	8.72	63.12	115.82
13.76	8.72	60.01	114.66
13.78	8.50	58.00	111.17
13.80	8.23	56.89	107.10
13.82	8.00	56.67	104.77
13.84	7.84	55.78	103.61
13.86	7.81	55.78	104.77
13.88	7.94	56.00	107.68
13.90	8.17	56.00	110.59
13.92	8.38	56.00	114.08
13.94	8.60	56.45	117.56
13.96	8.72	57.11	119.30
13.98	8.79	58.89	119.89
14.00	8.86	60.45	120.47
14.02	8.93	63.34	121.05
14.04	8.97	70.03	135.59
14.06	9.05	73.80	135.00
14.08	9.23	76.03	136.75
14.10	9.53	76.25	140.24
14.12	9.95	76.47	148.38
14.14	10.53	76.47	158.26
14.16	11.01	76.69	166.99
14.18	11.26	77.58	168.73
14.20	11.21	79.14	165.24
14.22	11.09	81.80	162.91
14.24	10.91	85.36	159.42
14.26	10.87	87.80	157.68
14.28	11.03	89.58	161.17
14.30	11.56	90.02	173.38
14.32	12.40	89.13	194.31
14.34	13.47	88.24	225.71
14.36	14.50	86.02	258.85
14.38	15.23	85.80	286.18
14.40	15.44	87.13	282.10
14.42	15.19	91.13	149.54
14.44	14.92	96.46	141.40
14.46	14.84	100.90	141.98
14.48	15.14	103.79	147.80
14.50	15.63	104.90	148.38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	15.97	104.46	150.12
14.54	15.85	102.90	147.21
14.56	15.21	102.01	141.98
14.58	14.08	103.12	130.35
14.60	12.61	105.56	114.08
14.62	11.48	107.56	105.35
14.64	10.69	109.11	101.86
14.66	10.16	107.11	100.70
14.68	9.88	102.00	102.45
14.70	9.79	94.66	106.51
14.72	9.98	84.89	113.49
14.74	10.36	75.33	122.21
14.76	10.70	67.77	128.61
14.78	10.80	61.77	131.52
14.80	10.83	57.10	133.26
14.82	11.04	53.32	138.50
14.84	11.19	51.32	142.56
14.86	11.22	51.32	142.56
14.88	11.31	51.99	144.89
14.90	11.46	53.10	147.80
14.92	11.44	54.21	147.21
14.94	11.34	55.54	146.05
14.96	11.32	57.54	147.21
14.98	11.37	59.32	148.38
15.00	11.49	60.21	150.12
15.02	11.78	54.82	147.80
15.04	11.99	54.60	147.80
15.06	12.26	54.37	147.21
15.08	12.34	55.26	148.38
15.10	12.20	56.82	144.31
15.12	11.99	59.71	145.47
15.14	11.90	63.04	145.47
15.16	11.98	65.26	149.54
15.18	12.17	66.37	150.70
15.20	12.19	66.82	149.54
15.22	12.07	67.04	149.54
15.24	11.92	66.37	149.54
15.26	11.72	65.48	150.12
15.28	11.38	65.03	148.38
15.30	10.87	65.70	145.47
15.32	10.29	65.69	143.73
15.34	9.90	64.36	145.47
15.36	9.59	63.02	147.80
15.38	9.35	61.69	150.12
15.40	9.25	60.35	153.03
15.42	9.19	57.90	151.29
15.44	9.18	55.68	151.87
15.46	9.25	54.12	151.87
15.48	9.43	52.12	153.03
15.50	9.54	50.56	153.61

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19\05\11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. 570/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	9.57	49.23	152.45
15.54	9.72	48.34	154.78
15.56	9.98	48.11	155.94
15.58	10.17	48.33	154.78
15.60	10.21	48.99	153.61
15.62	10.10	49.88	153.03
15.64	10.03	50.54	153.61
15.66	9.93	50.77	154.78
15.68	9.64	50.99	151.87
15.70	9.25	50.99	148.38
15.72	8.84	50.98	146.05
15.74	8.47	50.54	145.47
15.76	8.22	49.65	147.80
15.78	8.02	49.20	148.38
15.80	7.78	48.31	147.80
15.82	7.57	46.75	148.38
15.84	7.45	45.42	150.12
15.86	7.42	44.53	153.03
15.88	7.51	44.30	157.68
15.90	7.73	44.53	162.33
15.92	7.93	44.53	166.40
15.94	8.11	44.75	162.33
15.96	8.35	44.74	161.17
15.98	8.58	44.74	160.59
16.00	8.66	43.64	158.84
16.02	8.71	43.64	155.36
16.04	8.92	44.30	157.10
16.06	9.18	44.97	157.68
16.08	9.30	46.53	155.36
16.10	9.30	47.42	155.36
16.12	9.35	48.30	155.94
16.14	9.37	49.42	154.78
16.16	9.23	50.30	153.03
16.18	9.23	51.41	155.36
16.20	9.53	51.86	160.59
16.22	9.97	52.75	165.82
16.24	10.32	52.97	166.40
16.26	10.66	54.30	167.57
16.28	10.99	55.41	166.99
16.30	10.99	57.63	160.59
16.32	10.74	59.63	156.52
16.34	10.33	60.97	153.03
16.36	9.90	62.96	150.12
16.38	9.48	64.07	146.63
16.40	9.12	64.52	145.47
16.42	8.87	64.96	144.89
16.44	8.61	64.07	143.73
16.46	8.40	62.52	144.31
16.48	8.27	60.51	146.05
16.50	8.13	58.51	146.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	7.96	56.51	146.05
16.54	7.74	54.29	145.47
16.56	7.61	52.29	146.05
16.58	7.50	50.51	146.05
16.60	7.46	49.40	148.38
16.62	7.50	48.28	151.87
16.64	7.65	47.17	155.94
16.66	7.91	46.50	160.59
16.68	8.16	45.84	162.91
16.70	8.09	44.73	160.00
16.72	8.03	44.28	160.59
16.74	8.12	43.39	163.50
16.76	8.46	43.39	168.73
16.78	8.83	44.28	172.22
16.80	9.11	45.83	173.38
16.82	9.47	47.39	178.03
16.84	9.96	49.61	185.01
16.86	10.53	52.05	196.06
16.88	10.92	55.39	197.80
16.90	10.73	60.05	185.59
16.92	10.19	65.16	172.80
16.94	9.71	69.83	164.08
16.96	9.40	73.61	159.42
16.98	9.19	76.51	190.82
17.00	9.46	76.51	175.12
17.02	9.79	76.06	176.29
17.04	10.20	74.06	179.78
17.06	10.62	71.84	183.26
17.08	10.91	70.28	187.33
17.10	11.51	69.84	196.06
17.12	12.54	71.17	212.33
17.14	13.62	73.17	238.50
17.16	14.52	76.06	240.82
17.18	15.07	80.28	239.08
17.20	15.42	85.17	235.59
17.22	15.64	91.17	228.61
17.24	15.72	98.06	220.48
17.26	15.59	107.17	211.75
17.28	15.40	118.94	208.27
17.30	15.17	129.61	206.52
17.32	14.93	138.05	203.03
17.34	14.74	144.94	203.61
17.36	14.70	148.94	207.10
17.38	14.89	151.38	214.66
17.40	15.21	148.49	221.06
17.42	15.64	146.71	229.20
17.44	15.93	145.37	231.52
17.46	16.18	144.70	231.52
17.48	16.50	145.14	237.34
17.50	16.86	146.25	238.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	17.06	149.58	237.92
17.54	17.06	155.14	235.59
17.56	17.20	163.58	235.01
17.58	17.55	168.69	240.24
17.60	18.24	170.91	245.48
17.62	18.94	172.90	254.20
17.64	19.66	176.01	253.03
17.66	20.12	176.90	250.71
17.68	20.69	177.56	258.27
17.70	21.42	179.34	267.57
17.72	21.85	184.00	266.99
17.74	22.16	189.33	265.25
17.76	22.21	193.33	254.78
17.78	22.05	195.77	247.22
17.80	21.85	195.32	243.73
17.82	21.68	195.77	243.15
17.84	21.25	193.32	236.76
17.86	20.71	189.31	230.94
17.88	20.38	184.20	229.20
17.90	20.06	176.86	227.45
17.92	19.80	175.30	229.20
17.94	19.52	174.85	228.61
17.96	19.16	165.74	260.60
17.98	19.08	162.41	231.52
18.00	19.08	159.52	221.64
18.02	19.02	161.52	214.08
18.04	18.90	160.63	208.27
18.06	18.67	159.52	202.45
18.08	18.45	158.41	198.96
18.10	18.42	159.96	200.12
18.12	18.20	162.19	197.80
18.14	18.19	161.96	201.29
18.16	18.17	161.52	204.78
18.18	18.21	160.18	208.27
18.20	17.77	157.73	196.06
18.22	16.97	159.06	176.87
18.24	16.66	160.17	176.87
18.26	16.92	156.61	190.24
18.28	17.47	149.50	210.01
18.30	18.14	143.72	229.78
18.32	18.55	139.72	229.20
18.34	18.65	133.05	219.90
18.36	18.13	133.27	204.78
18.38	17.69	132.83	192.57
18.40	17.27	134.83	186.17
18.42	16.77	137.94	176.29
18.44	16.27	139.05	168.15
18.46	15.47	139.27	152.45
18.48	14.61	138.60	137.33
18.50	13.61	136.60	125.70

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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 570/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	12.60	132.60	116.98
18.54	11.56	127.49	108.26
18.56	10.36	123.71	103.03
18.58	9.18	120.16	102.45
18.60	8.21	111.71	97.80
18.62	7.36	104.82	94.89
18.64	6.69	99.27	89.07
18.66	5.92	107.04	86.75
18.68	6.07	123.94	103.03
18.70	7.38	139.05	133.26
18.72	8.99	119.49	165.24
18.74	9.99	85.71	190.82
18.76	10.31	79.94	181.52
18.78	9.99	76.16	154.19
18.80	9.43	68.16	132.10
18.82	9.28	64.39	125.12
18.84	9.34	65.06	124.54
18.86	9.52	64.39	126.29
18.88	9.62	63.28	123.96
18.90	9.48	61.28	116.40
18.92	9.17	59.51	108.26
18.94	8.92	54.17	104.77
18.96	8.74	47.11	176.29
18.98	8.69	44.45	170.47
19.00	8.59	43.34	166.40
19.02	8.42	42.23	160.59
19.04	8.34	40.45	158.26
19.06	8.39	39.57	158.84
19.08	8.58	39.79	162.91
19.10	8.81	41.57	166.40
19.12	9.13	43.35	171.05
19.14	9.28	44.01	170.47
19.16	9.29	44.90	167.57
19.18	9.29	46.46	167.57
19.20	9.32	48.46	166.40
19.22	9.57	50.46	171.05
19.24	9.77	52.68	172.80
19.26	9.81	55.13	171.63
19.28	9.65	57.79	167.57
19.30	9.61	59.57	168.15
19.32	9.62	61.35	168.73
19.34	9.73	63.13	172.22
19.36	9.94	65.57	174.54
19.38	10.07	67.79	176.87
19.40	10.04	69.35	174.54
19.42	9.86	70.24	169.31
19.44	9.56	71.13	164.66
19.46	9.32	71.57	161.75
19.48	9.17	72.68	161.75
19.50	9.09	73.13	163.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	9.02	74.90	162.33
19.54	8.97	75.12	164.08
19.56	9.01	74.68	166.99
19.58	9.24	72.90	174.54
19.60	9.74	71.57	182.10
19.62	10.35	70.23	191.99
19.64	10.90	68.01	200.70
19.66	11.66	66.23	218.15
19.68	12.97	65.12	240.82
19.70	14.48	63.34	198.38
19.72	15.53	64.01	226.29
19.74	16.21	66.45	237.92
19.76	16.54	70.01	240.82
19.78	16.60	74.68	240.82
19.80	16.21	81.12	229.78
19.82	15.40	87.79	207.10
19.84	14.07	93.79	173.96
19.86	12.71	96.90	147.80
19.88	11.64	98.01	137.33
19.90	10.88	95.56	132.68
19.92	10.35	90.01	130.35
19.94	9.98	83.78	132.68
19.96	9.53	75.35	190.24
19.98	9.45	65.57	184.43
20.00	9.38	58.46	181.52
20.02	9.38	53.13	180.94
20.04	9.41	48.90	180.36
20.06	9.43	45.35	180.36
20.08	9.49	43.35	181.52
20.10	9.62	42.46	185.01
20.12	9.88	42.24	190.24
20.14	10.34	41.79	201.87
20.16	10.84	41.13	211.75
20.18	11.33	40.90	221.06
20.20	11.74	41.13	228.03
20.22	11.95	41.57	213.50
20.24	11.87	42.90	203.61
20.26	11.32	44.46	187.33
20.28	10.41	47.79	175.12
20.30	9.67	52.02	157.10
20.32	9.13	52.90	153.61
20.34	8.75	52.90	153.03
20.36	8.41	52.68	151.29
20.38	8.15	51.79	150.12
20.40	7.94	51.57	151.29
20.42	7.79	49.35	152.45
20.44	7.77	48.46	157.10
20.46	7.78	48.24	161.75
20.48	7.82	48.24	165.24
20.50	7.82	48.24	167.57

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	7.82	48.24	169.31
20.54	7.87	47.13	171.63
20.56	7.83	46.68	172.22
20.58	7.84	46.68	172.80
20.60	7.88	47.79	174.54
20.62	8.02	48.01	179.78
20.64	8.17	47.79	182.68
20.66	8.20	48.46	182.68
20.68	8.18	49.35	180.36
20.70	8.08	50.68	178.03
20.72	8.01	50.90	174.54
20.74	7.89	52.24	172.22
20.76	7.83	54.46	172.22
20.78	7.81	55.79	172.80
20.80	7.91	56.90	177.45
20.82	8.12	56.90	185.01
20.84	8.38	56.90	189.66
20.86	8.69	55.79	194.89
20.88	8.99	54.02	197.80
20.90	9.22	52.24	200.12
20.92	9.38	51.79	198.96
20.94	9.33	52.26	244.31
20.96	9.40	53.81	230.36
20.98	9.38	56.70	217.57
21.00	9.21	60.93	205.36
21.02	9.04	65.37	198.96
21.04	8.93	67.59	194.89
21.06	8.98	68.70	196.06
21.08	9.15	68.04	201.29
21.10	9.26	67.37	201.29
21.12	9.32	66.26	199.54
21.14	9.38	66.70	200.70
21.16	9.52	66.48	205.94
21.18	9.77	67.59	214.66
21.20	9.96	69.37	215.24
21.22	10.16	72.70	218.73
21.24	10.30	74.26	220.48
21.26	10.23	76.03	210.59
21.28	9.80	76.48	193.15
21.30	9.37	78.92	185.01
21.32	9.04	79.81	180.36
21.34	8.81	77.81	180.36
21.36	8.63	75.58	180.36
21.38	8.51	72.47	182.68
21.40	8.45	67.36	184.43
21.42	8.35	60.92	185.59
21.44	8.31	55.58	187.91
21.46	8.27	50.47	190.24
21.48	8.27	44.69	191.99
21.50	8.32	39.36	194.89

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19\05\11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **570/2011**

Emesso il **19/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	8.39	37.14	197.22
21.54	8.48	36.03	200.12
21.56	8.59	35.58	201.87
21.58	8.66	35.80	203.61
21.60	8.77	35.80	204.78
21.62	8.87	36.25	207.10
21.64	9.01	36.69	207.69
21.66	9.21	36.69	213.50
21.68	9.40	36.91	216.40
21.70	9.70	37.58	221.64
21.72	10.00	38.03	228.03
21.74	10.42	38.25	237.34
21.76	10.89	39.14	249.55
21.78	11.36	40.03	257.10
21.80	11.81	41.14	266.99
21.82	12.08	41.80	265.25
21.84	12.05	44.25	252.45
21.86	11.65	46.69	228.61
21.88	11.11	48.25	207.69
21.90	10.61	50.69	198.96
21.92	10.53	52.92	203.61
21.94	10.79	54.71	211.75
21.96	11.00	55.16	209.43
21.98	10.72	57.16	198.96
22.00	10.12	60.93	185.59
22.02	9.51	64.04	176.87
22.04	8.93	66.49	171.63
22.06	8.51	68.93	171.05
22.08	8.26	71.38	171.05
22.10	8.15	72.27	175.12
22.12	8.20	69.37	181.52
22.14	8.36	64.26	190.82
22.16	8.52	59.15	198.96
22.18	8.69	54.04	201.29
22.20	8.61	52.26	199.54
22.22	8.45	48.26	196.06
22.24	8.38	43.37	197.80
22.26	8.32	40.48	196.64
22.28	8.28	39.59	196.64
22.30	8.33	39.59	201.29
22.32	8.35	38.70	201.87
22.34	8.27	36.26	199.54
22.36	8.24	34.92	200.12
22.38	8.24	33.37	200.70
22.40	8.21	30.92	201.29
22.42	8.19	29.37	201.87
22.44	8.20	29.37	203.03
22.46	8.21	29.59	203.61
22.48	8.27	29.37	204.78
22.50	8.35	29.37	207.69

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	8.44	29.37	207.69
22.54	8.59	29.37	211.75
22.56	8.73	29.37	214.08
22.58	8.94	29.37	216.99
22.60	9.15	30.04	219.90
22.62	9.34	30.04	222.80
22.64	9.59	30.26	224.55
22.66	9.92	30.93	230.36
22.68	10.37	31.81	237.34
22.70	11.15	32.26	260.60
22.72	12.32	32.70	298.39
22.74	13.46	33.59	334.43
22.76	14.26	34.93	348.97
22.78	14.97	36.70	364.09
22.80	15.32	38.26	353.04
22.82	15.16	40.93	321.06
22.84	14.40	45.81	271.06
22.86	13.54	49.81	232.69
22.88	13.01	52.93	218.15
22.90	12.70	56.93	214.66
22.92	12.45	62.93	238.50
22.94	12.83	60.71	229.20
22.96	13.36	59.60	230.94
22.98	13.73	57.60	235.59
23.00	14.07	56.71	239.08
23.02	14.03	56.70	230.94
23.04	13.59	58.93	216.40
23.06	13.43	59.15	218.15
23.08	13.70	58.93	232.69
23.10	14.38	58.93	254.78
23.12	14.99	61.37	248.97
23.14	15.29	62.92	247.80
23.16	14.97	68.92	218.15
23.18	15.18	86.26	247.22
23.20	13.98	96.26	201.29
23.22	13.61	120.25	240.82
23.24	13.11	91.14	218.15
23.26	13.00	86.03	226.29
23.28	12.93	72.92	230.36
23.30	12.99	72.25	237.34
23.32	13.32	76.69	253.03
23.34	13.91	73.14	272.22
23.36	14.63	66.47	290.25
23.38	15.27	60.24	294.32
23.40	15.36	62.69	284.43
23.42	15.79	67.57	283.27
23.44	16.55	67.79	247.80
23.46	17.09	80.24	239.66
23.48	18.02	84.01	270.48
23.50	19.06	87.34	301.88

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	19.58	83.79	311.18
23.54	19.66	83.34	283.85
23.56	19.75	90.23	289.09
23.58	20.00	98.67	301.88
23.60	20.39	94.45	283.27
23.62	20.33	97.11	284.43
23.64	19.77	104.67	269.31
23.66	19.33	108.00	261.76
23.68	18.51	112.89	237.34
23.70	17.56	113.55	216.40
23.72	16.75	114.44	203.03
23.74	16.22	115.99	203.03
23.76	15.97	113.32	207.69
23.78	15.73	107.99	208.85
23.80	15.51	104.43	212.33
23.82	15.55	97.32	222.22
23.84	15.63	93.09	236.18
23.86	15.72	88.64	246.64
23.88	15.86	85.97	254.78
23.90	15.89	83.97	266.41
23.92	15.37	80.88	251.29
23.94	14.43	79.77	215.82
23.96	13.09	80.43	185.01
23.98	12.02	87.32	172.80
24.00	12.15	91.54	194.31
24.02	12.99	93.32	226.29
24.04	12.62	99.77	201.87
24.06	12.55	95.77	201.87
24.08	13.05	90.21	215.24
24.10	14.24	84.87	243.73
24.12	14.46	87.10	224.55
24.14	13.93	87.09	196.06
24.16	13.40	80.20	175.12
24.18	12.94	72.87	164.08
24.20	12.46	64.20	162.91
24.22	12.14	53.32	166.99
24.24	12.06	48.20	172.80
24.26	12.18	46.43	182.68
24.28	12.45	51.76	195.48
24.30	12.90	59.09	214.08
24.32	13.33	63.98	230.94
24.34	13.74	64.87	245.48
24.36	14.19	61.31	262.92
24.38	14.60	60.20	279.20
24.40	15.02	60.65	297.22
24.42	15.12	61.98	295.48
24.44	14.96	64.87	284.43
24.46	14.76	69.09	276.29
24.48	14.63	72.20	272.22
24.50	14.64	75.54	273.39

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 570/2011

Emissa il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	14.76	77.98	281.52
24.54	14.91	78.87	291.99
24.56	14.96	80.43	300.71
24.58	14.60	81.31	282.69
24.60	13.91	81.76	250.71
24.62	12.82	81.31	211.75
24.64	11.99	81.09	191.40
24.66	11.46	81.31	186.17
24.68	11.25	80.42	188.50
24.70	11.28	77.75	197.22
24.72	11.54	73.97	211.17
24.74	12.00	70.42	230.94
24.76	12.68	68.19	261.18
24.78	13.55	67.53	300.71
24.80	14.67	69.75	363.50
24.82	16.05	73.97	370.49
24.84	17.24	76.41	347.23
24.86	18.02	80.19	328.04
24.88	18.64	87.52	323.39
24.90	19.11	96.41	314.09
24.92	19.13	100.01	266.41
24.94	19.23	113.34	262.92
24.96	19.13	130.23	255.94
24.98	18.95	146.67	247.80
25.00	18.75	161.12	244.90
25.02	18.49	168.67	235.59
25.04	18.35	176.23	236.18
25.06	18.19	184.00	239.66
25.08	17.77	184.67	227.45
25.10	16.96	186.44	204.78
25.12	16.23	186.44	192.57
25.14	15.74	186.44	190.82
25.16	15.40	183.54	196.06
25.18	15.04	179.10	193.15
25.20	14.39	174.87	182.10
25.22	13.82	169.76	179.78
25.24	13.57	157.53	187.33
25.26	13.34	147.09	194.31
25.28	13.08	139.31	196.64
25.30	12.87	131.97	199.54
25.32	12.59	124.19	194.89
25.34	12.33	114.86	191.99
25.36	12.41	108.19	202.45
25.38	12.81	103.30	223.96
25.40	13.67	99.74	262.34
25.42	14.99	96.18	310.01
25.44	17.24	93.74	332.69
25.46	20.04	87.07	368.16
25.48	21.79	82.18	376.30
25.50	22.86	88.40	374.55

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	24.05	99.73	372.81
25.54	24.73	113.29	348.97
25.56	25.35	133.07	345.48
25.58	26.07	157.07	335.02
25.60	26.66	178.40	342.00
25.62	27.33	195.07	342.58
25.64	27.50	208.85	325.71
25.66	27.49	227.07	317.58
25.68	27.51	243.73	312.34
25.70	27.48	254.17	308.27
25.72	27.33	259.73	303.62
25.74	27.15	268.83	303.04
25.76	27.08	273.72	305.36
25.78	27.13	274.38	312.34
25.80	27.16	268.82	310.01
25.82	26.70	265.04	314.09
25.84	26.28	262.15	285.01
25.86	25.67	260.81	257.69
25.88	24.99	260.59	238.50
25.90	23.79	238.39	260.01
25.92	22.68	236.39	221.64
25.94	20.77	232.17	183.85
25.96	18.13	220.39	150.70
25.98	13.52	211.05	101.28
26.00	9.23	208.16	88.49
26.02	5.97	223.27	86.17
26.04	4.01	234.83	83.26
26.06	3.19	238.16	90.82
26.08	2.37	250.60	88.49
26.10	2.06	218.37	84.42
26.12	1.98	177.04	540.84
26.14	1.85	140.37	757.13
26.16	1.90	105.70	775.74
26.18	1.86	79.04	789.11
26.20	2.01	49.49	802.49
26.22	2.01	28.60	847.84
26.24	1.73	14.83	940.87
26.26	1.68	22.61	907.14
26.28	1.91	21.95	1034.48
26.30	2.26	28.18	1202.51
26.32	2.71	26.18	1490.90
26.34	2.66	32.18	1528.11
26.36	2.72	41.97	1508.92
26.38	2.53	45.30	1324.03
26.40	2.45	60.20	1061.22
26.42	2.19	88.64	839.11
26.44	1.97	104.20	721.67
26.46	1.75	106.65	665.27
26.48	1.71	93.98	718.18
26.50	1.74	84.65	717.01

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	1.76	72.21	704.80
26.54	1.69	57.99	662.36
26.56	1.67	44.66	632.71
26.58	1.65	35.99	622.24
26.60	1.75	29.33	628.64
26.62	1.87	28.22	630.96
26.64	1.94	28.67	592.01
26.66	2.15	31.78	597.82
26.68	2.47	36.01	615.85
26.70	2.72	40.45	585.03
26.72	2.80	45.57	540.84
26.74	2.83	49.12	485.02
26.76	2.92	50.90	472.81
26.78	3.25	52.91	581.54
26.80	3.55	53.80	696.67
26.82	4.21	58.02	817.02
26.84	5.65	68.02	1023.43
26.86	7.37	73.14	1328.10
26.88	8.65	48.95	827.49
26.90	9.52	55.40	925.75
26.92	10.14	69.17	1005.40
26.94	10.55	78.06	1060.06
26.96	10.73	82.51	1058.90
26.98	10.89	96.29	1076.34
27.00	11.08	111.62	1102.50
27.02	11.20	122.95	1108.32
27.04	11.26	130.06	1114.13
27.06	11.32	138.95	1116.46
27.08	11.21	145.17	1094.36
27.10	11.01	149.84	1058.90
27.12	10.77	153.39	1009.48
27.14	10.77	156.06	1022.27
27.16	10.93	156.72	1061.80
27.18	11.13	160.28	1115.88
27.20	11.39	162.27	1183.32
27.22	11.64	162.27	1243.21
27.24	11.58	161.38	1240.88
27.26	11.46	161.16	1218.79
27.28	11.16	162.49	1163.55
27.30	10.91	163.59	1131.58
27.32	10.64	166.26	1085.06
27.34	10.36	166.48	1043.20
27.36	10.08	168.47	983.31
27.38	9.76	168.69	926.33
27.40	9.32	168.47	834.46
27.42	8.87	166.25	743.18
27.44	8.32	162.46	662.94
27.46	7.90	159.57	618.17
27.48	7.65	161.57	598.40
27.50	7.16	161.57	528.63



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Committente AUTOBRENNERO SPA

Località MANTOVA NORD

Cantiere SOVRAPASSO N° 106

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 570/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	6.29	152.90	417.00
27.54	5.23	151.12	324.55
27.56	4.45	145.56	293.15
27.58	4.05	146.45	279.20
27.60	3.50	148.00	272.22
27.62	2.95	139.11	307.11
27.64	2.37	116.89	352.46
27.66	2.10	100.89	428.63
27.68	1.94	85.78	501.30
27.70	1.89	71.77	597.24
27.72	1.74	61.77	628.06
27.74	1.70	52.66	774.00
27.76	1.79	42.22	839.70
27.78	1.82	35.55	897.26
27.80	1.88	28.66	896.10
27.82	1.86	29.55	874.58
27.84	1.93	30.89	894.93
27.86	2.06	33.55	938.54
27.88	2.84	28.48	863.53
27.90	3.79	37.59	1098.43
27.92	6.03	49.37	1573.46
27.94	8.12	59.15	1787.42
27.96	9.04	62.93	1539.16
27.98	9.64	50.93	1199.60
28.00	9.82	44.49	492.59
28.02	10.09	51.60	400.72
28.04	10.49	55.82	383.28
28.06	10.72	58.04	371.07
28.08	10.78	66.49	365.25
28.10	10.80	78.71	357.69
28.12	10.77	86.49	353.04
28.14	10.73	92.05	350.71
28.16	10.66	98.49	346.65
28.18	10.61	105.82	347.23
28.20	10.54	112.27	342.58
28.22	10.41	117.38	345.48
28.24	10.25	120.71	346.06
28.26	10.09	125.16	344.90
28.28	10.02	129.38	353.62
28.30	10.09	129.15	367.00
28.32	10.28	129.60	390.83
28.34	10.46	129.37	405.37
28.36	10.47	131.37	378.04
28.38	10.42	135.15	367.58
28.40	10.44	136.70	375.13
28.42	10.58	136.48	376.88
28.44	10.75	138.25	380.95
28.46	11.00	141.81	380.37
28.48	11.34	145.58	382.70
28.50	11.46	147.14	368.16

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	11.39	149.80	355.37
28.54	11.11	151.58	346.65
28.56	10.43	153.35	315.83
28.58	9.11	151.35	237.92
28.60	7.36	154.68	171.63
28.62	5.83	168.02	143.15
28.64	4.88	184.23	132.10
28.66	4.20	203.34	128.03
28.68	3.67	218.01	130.35
28.70	3.21	222.90	154.19
28.72	2.92	220.89	191.40
28.74	2.51	210.22	219.90
28.76	2.25	185.56	350.71
28.78	2.11	158.22	454.79
28.80	1.98	114.44	575.73
28.82	1.94	81.11	662.94
28.84	1.91	64.44	733.88
28.86	1.86	56.88	751.32
28.88	1.78	47.35	986.22
28.90	1.76	44.46	989.70
28.92	1.77	39.35	1013.54
28.94	1.78	35.80	1017.61
28.96	1.76	33.35	1015.87
28.98	1.77	30.02	1002.50
29.00	1.75	27.35	972.26
29.02	1.75	23.58	958.89
29.04	1.75	22.02	930.98
29.06	1.75	20.69	913.54
29.08	1.70	21.14	879.23
29.10	1.65	21.14	847.84
29.12	1.61	19.14	850.74
29.14	1.59	17.14	837.37
29.16	1.55	16.25	824.00
29.18	1.52	15.37	812.95
29.20	1.46	14.26	794.93
29.22	1.47	12.93	795.51
29.24	1.52	11.37	796.67
29.26	1.54	11.37	786.79
29.28	1.60	11.82	793.18
29.30	1.70	12.71	833.88
29.32	1.88	13.82	867.02
29.34	2.42	15.38	1037.96
29.36	3.83	20.05	1346.70
29.38	6.28	30.72	1731.03
29.40	8.12	43.61	1905.46
29.42	9.23	44.94	566.42
29.44	9.81	55.84	441.42
29.46	10.14	70.51	409.44
29.48	10.31	89.84	394.90
29.50	10.38	108.28	387.93

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	10.39	122.73	390.25
29.54	10.37	140.73	396.07
29.56	10.26	154.07	394.32
29.58	10.19	164.07	400.72
29.60	10.17	169.84	413.51
29.62	10.26	170.06	433.86
29.64	10.44	169.84	461.77
29.66	10.71	168.28	490.26
29.68	10.93	165.84	496.65
29.70	11.10	164.50	495.49
29.72	11.23	163.39	493.17
29.74	11.10	162.05	458.86
29.76	10.38	158.72	400.14
29.78	9.05	157.61	313.50
29.80	8.12	164.05	272.22
29.82	7.67	189.38	248.97
29.84	7.38	222.04	276.88
29.86	7.34	204.92	658.29
29.88	6.47	233.15	452.47
29.90	5.48	253.59	305.36
29.92	4.97	248.26	267.57
29.94	5.15	222.92	468.75
29.96	9.71	244.26	1776.38
29.98	13.35	264.34	2285.71
30.00	15.04	291.03	2285.71
30.02	16.26	308.90	2285.71
30.04	17.52	327.68	2285.71
30.06	17.82	326.53	2285.71
30.08	19.41	353.03	2285.71
30.10	20.86	373.34	2285.71
30.12	22.19	392.11	2285.71
30.14	22.86	395.66	2285.71
30.16	14.54	246.98	473.98
30.18	14.56	242.97	463.51
30.20	14.75	242.97	480.38
30.22	15.03	246.30	530.38
30.24	15.35	253.41	593.75
30.26	15.55	257.41	638.52
30.28	15.76	258.52	714.69
30.30	15.94	259.63	780.97
30.32	15.82	263.40	792.02
30.34	15.86	261.62	828.65
30.36	15.73	264.72	830.98
30.38	15.53	267.16	847.26
30.40	15.29	266.27	856.56
30.42	14.97	263.38	836.79
30.44	14.55	259.82	799.00
30.46	14.04	252.48	755.39
30.48	13.59	241.14	734.46
30.50	13.30	232.25	743.18

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **MANTOVA NORD**

Cantiere **SOVRAPASSO N° 106**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **570/2011**

Emesso il **19/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	13.20	224.69	779.81
30.54	13.27	220.02	840.28
30.56	13.57	217.12	938.54
30.58	14.02	213.57	1067.03
30.60	14.59	212.23	1208.32
30.62	14.96	213.78	1307.75
30.64	15.02	218.67	1351.93
30.66	15.08	221.33	1369.96
30.68	15.09	224.66	1387.40
30.70	15.04	227.77	1382.17
30.72	15.01	233.55	1381.00
30.74	14.85	236.21	1349.03
30.76	14.64	237.54	1301.93
30.78	14.17	235.76	1189.13
30.80	13.70	211.12	997.26
30.82	14.11	204.23	954.24
30.84	14.38	200.68	952.50
30.86	14.79	193.79	998.43
30.88	14.55	185.56	905.98
30.90	12.49	181.78	490.26
30.92	9.31	187.34	201.29
30.94	6.87	197.78	158.84
30.96	5.17	215.56	148.96
30.98	4.11	242.00	157.68
31.00	3.46	259.78	302.46
31.02	3.03	249.55	507.12
31.04	2.66	236.44	635.61
31.06	2.40	207.55	730.97
31.08	2.33	177.55	792.02
31.10	2.31	138.88	808.88
31.12	2.24	95.10	860.63
31.14	2.45	62.43	989.70
31.16	2.57	52.88	1032.73
31.18	2.33	50.88	964.12
31.20	2.27	42.88	948.42
31.22	2.04	43.10	873.42
31.24	1.95	40.66	889.12
31.26	1.88	41.10	889.70
31.28	1.77	42.44	876.33
31.30	1.70	41.99	876.91
31.32	1.71	39.11	908.30
31.34	1.72	33.55	950.75
31.36	1.79	28.67	1002.50
31.38	1.83	26.00	1037.96
31.40	1.81	24.67	1013.54
31.42	1.75	25.12	1002.50
31.44	1.68	24.90	983.31
31.46	1.62	23.34	992.03
31.48	1.58	22.23	1017.61
31.50	1.57	20.90	1032.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	1.54	19.13	1041.45
31.54	1.52	18.24	1053.08
31.56	1.49	16.24	1054.82
31.58	1.51	14.25	1095.52
31.60	1.58	12.47	1121.69
31.62	1.58	12.92	1110.64
31.64	1.58	13.58	1092.04
31.66	1.59	15.14	1085.64
31.68	1.61	15.37	1125.18
31.70	2.07	14.26	1340.30
31.72	3.39	14.70	1795.57
31.74	4.13	20.26	1850.22
31.76	4.28	55.82	1605.44
31.78	4.26	94.93	1499.04
31.80	4.28	173.86	1478.10
31.82	3.88	213.20	1224.02
31.84	3.42	253.42	1017.61
31.86	3.01	268.09	844.93
31.88	2.57	264.31	692.60
31.90	2.22	242.31	637.94
31.92	1.98	216.75	588.52
31.94	1.90	187.19	644.92
31.96	1.99	145.63	742.60
31.98	2.20	114.07	808.30
32.00	2.57	90.07	929.82
32.02	2.74	74.29	975.17
32.04	2.71	64.29	813.53
32.06	2.58	69.40	700.15
32.08	2.81	69.40	879.81
32.10	3.16	70.51	959.47
32.12	3.40	79.39	940.87
32.14	3.16	94.06	778.07
32.16	3.01	97.61	717.01
32.18	3.21	98.06	751.90
32.20	3.18	100.06	754.81
32.22	2.99	96.06	638.52
32.24	2.25	96.06	384.44
32.26	1.80	84.94	471.65
32.28	1.77	66.94	655.39
32.30	2.00	54.72	826.32
32.32	3.28	47.17	1365.89
32.34	6.29	46.72	1935.69
32.36	8.93	51.61	2285.71
32.38	10.00	52.92	2285.71
32.40	10.64	53.78	2285.71
32.42	9.95	37.39	2196.17
32.44	8.69	44.73	1650.79
32.46	6.47	59.17	829.23
32.48	4.77	85.84	444.90
32.50	3.93	122.95	379.20

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	4.27	159.17	561.19
32.54	6.20	172.51	1083.31
32.56	8.43	156.51	1879.87
32.58	9.54	140.28	2141.51
32.60	10.13	114.51	2274.66
32.62	10.41	85.84	2282.22
32.64	10.50	67.61	2285.71
32.66	10.53	56.73	2280.48
32.68	10.60	48.28	2285.71
32.70	10.75	49.17	2285.71
32.72	11.10	57.16	2285.71
32.74	11.39	62.91	2285.71
32.76	11.48	69.12	2285.71
32.78	10.75	64.51	2007.79
32.80	10.39	74.95	1882.78
32.82	10.15	80.95	1821.73
32.84	10.22	86.73	1840.33
32.86	10.41	94.51	1896.15
32.88	10.50	97.62	1884.52
32.90	10.45	102.95	1831.61
32.92	10.44	104.95	1791.50
32.94	10.62	102.28	1856.61
32.96	10.47	100.73	1770.56
32.98	10.37	98.73	1736.26
33.00	10.20	101.84	1740.91
33.02	10.01	110.73	1685.68
33.04	10.13	114.95	1746.72
33.06	10.54	119.39	1869.40
33.08	11.17	121.83	1915.34
33.10	11.94	121.83	1827.54
33.12	12.73	123.16	1586.25
33.14	13.59	122.94	344.32
33.16	14.33	125.61	423.40
33.18	14.94	130.05	525.14
33.20	15.48	137.60	528.05
33.22	16.09	146.49	518.75
33.24	16.65	152.04	519.91
33.26	16.84	155.38	498.40
33.28	16.67	156.48	467.58
33.30	16.22	158.26	433.86
33.32	15.77	158.26	419.32
33.34	15.51	156.47	425.72
33.36	15.42	156.03	432.11
33.38	15.41	154.25	434.44
33.40	15.47	152.47	439.09
33.42	15.51	151.13	440.26
33.44	15.44	151.12	479.79
33.46	15.80	150.01	456.53
33.48	16.28	149.12	461.77
33.50	16.96	148.45	482.70

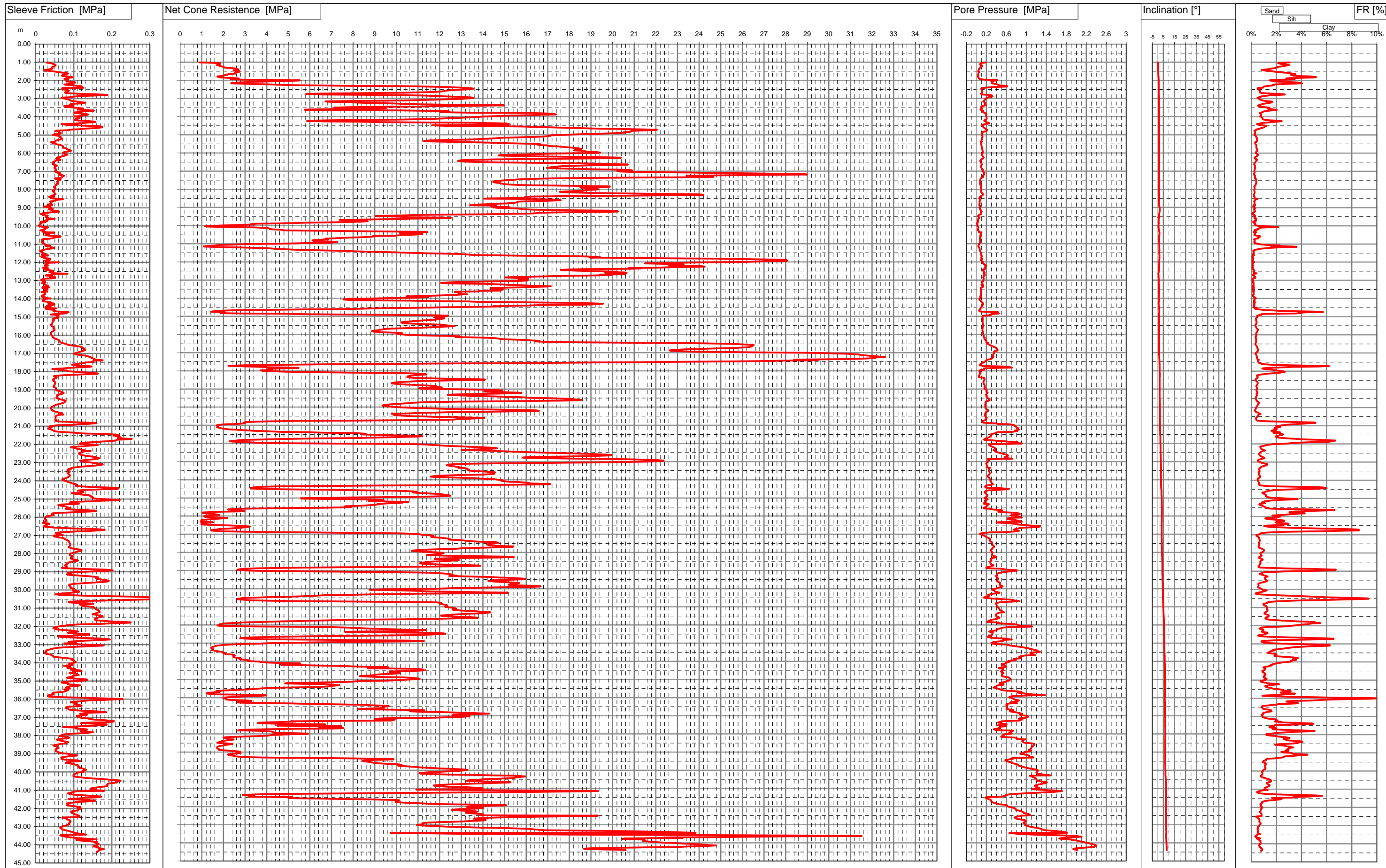


Committente AUTOBRENNERO SPA  
 Località VILLANOVA D. B. - MN -  
 Cantiere SOVRAPASSO N° 108  
 Operatore DR. STANZANI  
 Prova nr. 2 Cert. N. 435/2011  
 Data 13/04/11 Emesso il 13/04/11  
 Falda 2.00 ml  
 Preforo 1.00 m. p.c.

MN-CPTU5



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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c. Falda 2.00 ml**

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	0.90	28.38	189.99
1.04	1.81	39.60	96.58
1.06	1.86	40.71	92.31
1.08	1.86	43.38	90.48
1.10	1.84	46.72	72.77
1.12	1.80	49.39	70.94
1.14	1.74	51.83	76.43
1.16	1.70	52.50	98.41
1.18	1.78	51.61	114.29
1.20	1.82	50.28	118.56
1.22	1.87	47.94	107.57
1.24	1.95	45.39	95.36
1.26	2.02	43.39	90.48
1.28	2.02	41.95	82.54
1.30	2.05	42.51	76.43
1.32	2.28	44.17	69.72
1.34	2.54	43.84	61.78
1.36	2.62	42.62	54.46
1.38	2.64	37.07	53.85
1.40	2.69	32.07	53.85
1.42	2.69	22.78	44.69
1.44	2.48	21.56	44.08
1.46	2.46	28.34	42.86
1.48	2.59	35.67	37.36
1.50	2.75	45.89	33.70
1.52	2.75	52.67	55.07
1.54	2.69	56.34	53.24
1.56	2.56	64.79	47.74
1.58	2.58	75.23	47.13
1.60	2.52	80.56	43.47
1.62	2.56	85.01	41.64
1.64	2.46	78.79	37.97
1.66	2.23	81.79	36.14
1.68	2.15	75.01	34.31
1.70	2.16	70.68	34.92
1.72	2.03	70.79	33.70
1.74	2.00	68.91	37.36
1.76	1.89	70.91	32.48
1.78	1.72	83.35	31.26
1.80	1.72	90.46	32.48
1.82	1.78	96.68	31.87
1.84	1.83	95.35	38.58
1.86	2.19	87.35	44.69
1.88	2.57	80.57	49.57
1.90	2.71	77.57	58.12
1.92	2.38	75.24	61.78
1.94	2.34	83.90	86.81
1.96	2.88	85.57	158.85
1.98	4.23	80.24	409.77
2.00	5.53	82.13	420.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	5.28	84.46	348.11
2.04	4.63	80.24	317.58
2.06	4.11	81.24	299.88
2.08	3.54	95.35	300.49
2.10	3.03	102.80	313.31
2.12	2.65	103.02	322.47
2.14	2.45	100.35	311.48
2.16	2.35	99.02	307.81
2.18	2.66	91.58	331.62
2.20	3.28	85.69	389.62
2.22	4.03	74.91	417.09
2.24	4.47	78.03	426.25
2.26	5.07	93.36	442.73
2.28	5.92	101.47	467.15
2.30	7.66	109.14	598.41
2.32	9.97	120.03	614.90
2.34	11.37	115.92	616.12
2.36	12.07	118.03	425.64
2.38	12.57	122.81	268.74
2.40	13.01	125.48	194.87
2.42	13.16	70.16	147.86
2.44	13.49	69.28	106.35
2.46	13.57	69.28	97.80
2.48	13.47	69.16	99.63
2.50	13.19	74.39	102.08
2.52	12.92	80.17	103.91
2.54	12.61	85.39	106.35
2.56	12.34	87.28	108.79
2.58	12.23	86.39	112.45
2.60	12.18	83.61	117.34
2.62	11.99	81.72	116.73
2.64	11.70	78.28	113.68
2.66	11.16	76.50	110.62
2.68	10.37	77.61	109.40
2.70	8.90	83.38	102.69
2.72	7.06	97.82	97.80
2.74	5.86	122.82	92.31
2.76	5.83	150.48	105.13
2.78	6.59	180.59	118.56
2.80	8.70	188.70	236.39
2.82	10.48	163.47	293.16
2.84	11.34	140.24	305.37
2.86	11.86	117.35	315.14
2.88	12.20	102.35	325.52
2.90	12.63	98.01	285.84
2.92	13.16	89.79	253.48
2.94	13.45	70.78	233.33
2.96	13.57	67.23	216.24
2.98	13.52	71.44	203.42
3.00	13.29	76.99	193.04

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	13.01	79.99	184.49
3.04	12.50	84.54	174.73
3.06	11.87	88.10	168.01
3.08	11.27	89.21	165.57
3.10	10.50	91.65	160.68
3.12	9.47	93.42	153.36
3.14	7.97	98.87	143.59
3.16	6.72	108.20	136.87
3.18	6.84	116.75	148.47
3.20	7.60	119.41	158.24
3.22	8.09	130.85	163.74
3.24	8.44	125.29	168.62
3.26	9.45	119.96	178.39
3.28	10.03	102.51	176.56
3.30	10.33	92.73	164.35
3.32	11.08	90.84	164.35
3.34	12.68	90.95	178.39
3.36	14.32	88.39	189.38
3.38	14.96	98.94	177.78
3.40	13.69	74.62	144.20
3.42	12.15	75.18	119.78
3.44	10.98	77.51	110.62
3.46	9.30	82.07	97.19
3.48	7.90	93.40	91.09
3.50	7.13	105.07	88.64
3.52	7.79	113.96	100.85
3.54	9.51	124.74	114.90
3.56	8.93	119.85	108.79
3.58	7.19	114.40	91.09
3.60	6.16	110.52	83.76
3.62	5.76	119.40	83.15
3.64	7.06	142.51	102.69
3.66	10.32	153.28	127.11
3.68	11.67	147.50	133.82
3.70	12.34	128.06	138.71
3.72	12.44	116.95	138.10
3.74	12.04	111.72	134.43
3.76	12.21	101.72	139.93
3.78	13.51	102.27	154.58
3.80	16.23	109.05	177.78
3.82	16.95	117.60	183.88
3.84	17.11	126.82	188.77
3.86	17.31	135.04	196.09
3.88	17.39	137.26	201.59
3.90	16.76	135.26	197.31
3.92	16.03	121.93	194.87
3.94	15.26	121.26	193.04
3.96	14.85	111.70	194.26
3.98	14.36	101.48	195.48
4.00	13.97	107.14	197.92

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 2

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	13.73	110.70	203.42
4.04	13.36	111.14	202.81
4.06	12.93	115.69	204.03
4.08	12.59	112.24	205.25
4.10	12.21	111.24	205.86
4.12	11.71	106.57	204.03
4.14	11.11	102.79	200.37
4.16	10.09	101.90	192.43
4.18	8.62	103.89	178.39
4.20	7.11	111.11	164.35
4.22	6.01	127.44	155.19
4.24	5.87	145.76	160.07
4.26	6.73	154.09	174.73
4.28	8.27	157.31	190.60
4.30	9.37	147.87	201.59
4.32	11.35	135.64	222.34
4.34	13.48	121.41	244.93
4.36	14.62	109.75	255.92
4.38	15.11	98.41	258.36
4.40	14.88	67.54	184.49
4.42	15.24	70.88	156.41
4.44	14.55	82.33	131.99
4.46	12.64	103.66	114.29
4.48	11.65	124.33	109.40
4.50	12.13	145.55	120.39
4.52	14.19	167.88	134.43
4.54	15.90	172.77	138.10
4.56	16.25	174.89	133.21
4.58	16.81	171.88	141.15
4.60	17.49	167.11	149.69
4.62	18.17	154.99	158.85
4.64	18.80	135.33	168.62
4.66	19.36	125.88	175.95
4.68	20.24	114.33	186.32
4.70	21.34	91.66	199.15
4.72	22.05	88.99	210.74
4.74	21.98	78.76	214.41
4.76	21.41	55.53	211.36
4.78	20.91	50.53	207.08
4.80	20.83	58.53	190.60
4.82	20.86	61.08	168.62
4.84	20.79	60.30	133.82
4.86	20.51	63.18	119.17
4.88	20.57	65.07	116.73
4.90	20.22	66.29	113.68
4.92	20.02	65.06	112.45
4.94	19.41	61.84	113.06
4.96	18.90	49.17	113.68
4.98	18.19	45.39	112.45
5.00	17.73	45.60	112.45

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	17.25	52.37	112.45
5.04	17.07	58.82	116.12
5.06	17.10	60.70	121.61
5.08	16.96	62.48	124.05
5.10	16.70	65.81	122.22
5.12	16.21	63.25	118.56
5.14	15.58	65.13	115.51
5.16	14.98	67.35	113.68
5.18	14.68	67.79	114.90
5.20	14.50	68.13	116.12
5.22	14.10	69.34	113.68
5.24	13.74	66.78	111.84
5.26	13.30	61.45	109.40
5.28	12.52	56.33	104.52
5.30	11.79	54.66	101.47
5.32	11.38	52.33	100.24
5.34	11.27	51.32	101.47
5.36	11.55	50.43	105.13
5.38	12.21	50.10	110.62
5.40	12.90	39.56	89.87
5.42	14.02	42.89	92.92
5.44	14.61	44.78	93.53
5.46	15.09	48.34	95.36
5.48	15.80	51.79	98.41
5.50	16.49	53.01	101.47
5.52	16.66	59.01	99.63
5.54	16.51	63.46	96.58
5.56	16.63	65.68	97.80
5.58	16.95	68.79	102.08
5.60	17.01	70.68	100.85
5.62	17.11	71.68	103.30
5.64	17.44	72.24	106.96
5.66	17.67	71.91	106.35
5.68	17.83	71.46	106.96
5.70	18.04	72.68	109.40
5.72	18.26	76.24	114.29
5.74	18.42	80.56	117.95
5.76	18.49	81.90	119.17
5.78	18.56	81.90	119.78
5.80	18.53	83.90	119.17
5.82	18.42	86.78	117.34
5.84	18.24	90.89	117.34
5.86	18.22	92.78	119.17
5.88	18.53	90.67	124.05
5.90	18.71	84.89	125.89
5.92	18.77	78.55	127.72
5.94	19.13	74.22	131.99
5.96	19.32	73.10	130.77
5.98	19.43	70.99	130.77
6.00	19.20	70.99	128.94

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	18.15	73.87	121.61
6.04	17.03	77.87	115.51
6.06	16.49	79.20	114.90
6.08	15.90	82.64	113.06
6.10	15.19	81.86	110.62
6.12	14.78	78.41	110.01
6.14	14.73	74.63	113.06
6.16	15.23	69.41	120.39
6.18	16.17	67.73	127.11
6.20	17.37	65.62	134.43
6.22	18.64	59.62	140.54
6.24	19.82	55.39	146.03
6.26	20.39	55.61	146.64
6.28	20.25	54.39	140.54
6.30	19.10	53.16	131.99
6.32	17.15	59.49	116.73
6.34	15.45	64.93	108.18
6.36	14.35	63.93	103.30
6.38	13.70	64.49	100.85
6.40	13.02	53.50	83.15
6.42	12.90	51.72	78.88
6.44	12.85	50.95	77.05
6.46	12.97	47.95	77.66
6.48	13.22	45.50	78.88
6.50	13.79	45.39	82.54
6.52	14.72	45.95	87.42
6.54	16.11	45.17	93.53
6.56	17.77	48.28	100.24
6.58	18.84	44.28	102.08
6.60	19.46	44.62	105.13
6.62	20.24	46.18	109.40
6.64	20.70	48.51	110.62
6.66	20.00	53.29	102.69
6.68	19.01	55.29	97.19
6.70	18.28	54.73	94.75
6.72	17.84	52.95	94.75
6.74	17.53	50.39	94.75
6.76	17.34	49.62	95.36
6.78	17.19	49.28	97.19
6.80	17.05	48.61	97.19
6.82	16.96	50.06	99.63
6.84	17.25	50.83	104.52
6.86	17.75	52.17	110.62
6.88	18.45	53.16	115.51
6.90	19.29	53.83	121.61
6.92	20.36	53.50	128.94
6.94	20.87	52.83	131.38
6.96	20.90	51.60	131.38
6.98	20.40	50.71	126.50
7.00	20.22	50.71	127.11

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	20.29	51.49	130.16
7.04	20.85	53.82	138.10
7.06	22.03	59.48	147.86
7.08	23.56	63.14	157.63
7.10	24.65	57.70	159.46
7.12	26.06	60.14	150.31
7.14	27.69	65.03	155.80
7.16	28.76	63.25	157.63
7.18	28.99	61.25	156.41
7.20	27.97	64.58	150.92
7.22	26.00	71.69	138.71
7.24	24.31	74.13	130.77
7.26	23.44	72.79	126.50
7.28	23.82	71.01	131.99
7.30	24.55	68.79	139.32
7.32	24.66	68.11	135.04
7.34	23.21	67.45	126.50
7.36	20.69	66.00	115.51
7.38	18.32	50.65	100.85
7.40	17.28	50.20	89.26
7.42	16.44	55.65	83.15
7.44	15.91	62.32	80.10
7.46	15.61	65.10	78.88
7.48	15.35	62.88	77.05
7.50	15.11	58.99	76.43
7.52	14.85	57.99	74.60
7.54	14.61	57.76	73.38
7.56	14.53	55.87	73.38
7.58	14.47	56.54	72.77
7.60	14.47	57.65	73.38
7.62	14.55	59.43	73.38
7.64	14.63	58.31	73.38
7.66	14.76	57.98	75.21
7.68	14.87	55.31	74.60
7.70	14.92	54.31	74.60
7.72	15.04	54.42	75.82
7.74	15.25	55.08	77.05
7.76	15.62	52.64	80.10
7.78	16.33	51.86	84.98
7.80	17.39	51.64	90.48
7.82	18.84	51.30	98.41
7.84	19.85	48.19	102.08
7.86	19.87	47.30	99.02
7.88	19.09	49.08	92.31
7.90	18.51	49.63	89.26
7.92	18.55	51.30	91.70
7.94	18.78	52.19	94.75
7.96	19.07	52.08	98.41
7.98	19.29	51.41	101.47
8.00	19.34	49.41	102.08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	19.17	46.97	100.85
8.04	18.84	44.86	97.80
8.06	18.72	43.97	98.41
8.08	18.61	44.30	98.41
8.10	18.26	45.30	95.97
8.12	17.75	47.64	94.75
8.14	17.54	48.42	94.75
8.16	17.66	49.19	98.41
8.18	18.19	48.75	103.30
8.20	18.95	49.75	109.40
8.22	20.02	50.75	117.34
8.24	21.45	50.86	123.44
8.26	22.93	52.08	130.77
8.28	23.95	48.74	136.26
8.30	24.20	47.97	131.99
8.32	23.41	43.63	124.66
8.34	21.72	46.07	113.68
8.36	19.66	39.74	104.52
8.38	17.96	48.18	100.24
8.40	16.25	34.97	71.55
8.42	16.20	40.53	67.89
8.44	15.93	41.09	64.84
8.46	15.99	39.65	68.50
8.48	15.56	42.10	61.78
8.50	14.29	50.43	55.07
8.52	14.05	71.76	58.73
8.54	16.11	66.65	70.94
8.56	17.23	56.54	77.05
8.58	17.34	52.54	75.21
8.60	17.60	52.76	76.43
8.62	17.44	47.10	73.38
8.64	16.87	41.43	69.11
8.66	16.15	37.43	64.84
8.68	15.61	40.65	62.39
8.70	15.61	40.53	64.22
8.72	15.56	41.76	63.61
8.74	15.50	40.65	64.84
8.76	15.27	38.97	62.39
8.78	15.11	39.20	64.22
8.80	14.52	36.64	59.95
8.82	14.26	32.97	58.73
8.84	13.81	43.53	57.51
8.86	13.70	40.41	58.12
8.88	13.40	39.63	57.51
8.90	14.61	31.19	72.16
8.92	14.54	26.41	66.06
8.94	14.38	20.74	69.11
8.96	14.82	31.63	75.21
8.98	15.21	40.29	72.77
9.00	14.50	40.62	66.67

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	14.66	36.74	64.84
9.04	14.98	44.51	69.72
9.06	15.64	37.30	72.77
9.08	15.78	33.74	74.60
9.10	15.84	37.40	73.99
9.12	16.25	43.07	79.49
9.14	17.08	46.41	80.71
9.16	18.51	43.96	93.53
9.18	19.99	53.74	96.58
9.20	19.96	61.19	92.31
9.22	20.25	60.52	103.91
9.24	20.03	48.19	105.74
9.26	18.26	32.53	93.53
9.28	17.19	33.64	91.09
9.30	16.52	17.20	93.53
9.32	16.46	16.86	87.42
9.34	16.21	12.31	95.97
9.36	14.87	18.53	96.58
9.38	14.05	22.65	83.76
9.40	11.84	18.58	57.51
9.42	10.82	31.47	47.13
9.44	10.14	27.81	41.03
9.46	9.52	25.69	46.52
9.48	9.04	29.37	27.59
9.50	9.93	31.24	42.86
9.52	10.23	26.95	45.30
9.54	10.64	31.24	50.18
9.56	12.09	28.69	60.56
9.58	12.52	31.71	56.29
9.60	12.19	49.70	60.56
9.62	10.61	38.14	37.97
9.64	10.13	33.59	33.09
9.66	9.02	28.82	33.70
9.68	7.38	28.15	29.43
9.70	7.48	23.81	28.82
9.72	7.99	30.49	31.26
9.74	8.19	24.94	33.09
9.76	8.67	13.04	39.19
9.78	8.41	26.27	36.14
9.80	7.85	23.16	31.26
9.82	7.16	11.49	20.27
9.84	5.81	12.82	22.10
9.86	5.37	14.27	21.49
9.88	4.41	13.38	19.05
9.90	3.49	11.49	11.11
9.92	3.26	11.05	15.38
9.94	3.43	9.27	21.49
9.96	2.98	9.17	19.66
9.98	2.29	8.07	18.44
10.00	1.83	10.83	19.05

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 2

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	1.51	12.28	19.66
10.04	1.14	17.07	26.37
10.06	1.33	29.29	29.43
10.08	2.29	32.06	40.42
10.10	3.42	27.07	40.42
10.12	3.80	25.74	39.19
10.14	4.06	24.96	37.97
10.16	4.14	25.52	36.14
10.18	4.19	20.19	33.09
10.20	4.15	22.19	27.59
10.22	4.47	16.64	26.37
10.24	4.76	11.64	28.82
10.26	4.79	17.19	30.04
10.28	5.96	18.65	39.80
10.30	7.44	22.63	48.96
10.32	8.93	25.54	45.91
10.34	10.91	19.42	51.40
10.36	11.43	48.42	50.18
10.38	10.21	23.93	88.64
10.40	10.16	25.27	83.76
10.42	10.39	30.71	83.15
10.44	10.64	31.94	84.98
10.46	11.20	35.27	91.70
10.48	11.10	35.27	86.81
10.50	10.76	25.28	84.98
10.52	10.26	30.94	80.71
10.54	10.11	40.17	86.20
10.56	9.89	60.83	96.58
10.58	8.91	65.72	77.66
10.60	8.94	63.28	79.49
10.62	8.82	52.50	81.32
10.64	8.30	46.95	75.82
10.66	7.89	45.61	66.67
10.68	7.51	42.06	74.60
10.70	7.15	35.72	75.21
10.72	6.74	20.27	72.77
10.74	6.85	15.60	73.99
10.76	6.64	16.71	73.38
10.78	6.53	15.60	72.16
10.80	6.16	17.04	67.89
10.82	6.11	17.82	67.28
10.84	6.17	17.82	70.94
10.86	6.50	16.59	75.82
10.88	7.04	17.26	80.71
10.90	7.26	16.81	81.93
10.92	7.20	18.26	77.66
10.94	6.97	17.37	81.93
10.96	6.15	22.70	68.50
10.98	5.15	22.70	62.39
11.00	4.26	22.81	58.73

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	3.23	23.47	52.63
11.04	2.59	27.14	48.96
11.06	2.12	28.37	47.13
11.08	1.64	38.03	43.47
11.10	1.63	25.59	47.13
11.12	1.26	30.81	41.03
11.14	1.09	37.59	40.42
11.16	1.10	41.25	37.36
11.18	1.77	43.48	47.13
11.20	2.56	47.91	55.07
11.22	3.34	47.37	62.39
11.24	3.86	40.81	64.22
11.26	4.18	31.92	63.61
11.28	4.41	26.81	60.56
11.30	4.78	22.26	63.61
11.32	5.20	17.37	66.06
11.34	5.62	15.26	67.28
11.36	6.47	11.15	65.45
11.38	7.17	13.96	77.05
11.40	7.57	11.63	76.43
11.42	8.22	17.74	77.05
11.44	8.82	17.85	76.43
11.46	9.64	16.86	83.15
11.48	10.13	16.53	84.98
11.50	10.53	22.30	86.20
11.52	11.29	21.97	93.53
11.54	11.92	23.42	93.53
11.56	12.86	26.53	92.31
11.58	13.15	15.31	95.97
11.60	13.41	19.09	96.58
11.62	13.50	33.09	99.02
11.64	14.60	17.42	100.24
11.66	15.89	17.98	97.80
11.68	17.93	14.20	108.79
11.70	18.81	25.09	106.96
11.72	19.16	18.53	103.30
11.74	19.42	22.09	98.41
11.76	18.97	21.98	97.80
11.78	20.64	33.76	96.58
11.80	22.42	38.53	110.62
11.82	24.70	29.64	116.12
11.84	25.98	33.97	115.51
11.86	26.81	37.08	88.64
11.88	28.03	30.08	103.91
11.90	27.31	21.74	90.48
11.92	27.25	33.19	102.08
11.94	28.08	26.63	111.23
11.96	27.16	31.51	115.51
11.98	26.80	27.73	124.66
12.00	26.15	62.07	125.27

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	24.61	34.29	121.00
12.04	23.37	29.05	124.05
12.06	22.58	24.83	136.26
12.08	21.50	32.16	127.11
12.10	22.13	24.71	146.64
12.12	22.75	28.37	150.31
12.14	23.28	25.03	166.18
12.16	22.61	24.13	164.35
12.18	22.66	32.13	180.83
12.20	22.62	23.24	182.66
12.22	23.94	27.12	196.70
12.24	24.16	25.89	177.78
12.26	24.26	25.99	177.78
12.28	23.44	23.43	176.56
12.30	22.47	19.10	177.17
12.32	21.93	32.42	177.78
12.34	20.73	29.97	166.18
12.36	21.30	21.97	174.11
12.38	20.78	21.63	174.73
12.40	18.54	22.82	144.81
12.42	17.86	34.37	132.60
12.44	17.60	39.38	126.50
12.46	17.93	46.04	144.20
12.48	18.24	45.27	133.21
12.50	18.74	40.38	136.87
12.52	19.64	39.04	150.31
12.54	20.23	35.71	157.63
12.56	19.65	44.82	146.64
12.58	20.52	43.71	153.97
12.60	20.65	53.48	166.18
12.62	19.68	83.48	149.69
12.64	19.95	47.70	155.19
12.66	19.87	40.70	153.36
12.68	20.58	31.36	162.52
12.70	19.42	26.69	146.64
12.72	19.95	25.92	167.40
12.74	19.42	41.03	165.57
12.76	18.42	44.35	154.58
12.78	17.28	44.02	142.37
12.80	16.62	50.46	142.37
12.82	16.21	36.24	144.20
12.84	15.28	39.46	138.10
12.86	15.01	51.02	136.87
12.88	15.53	44.13	142.37
12.90	15.63	21.57	143.59
12.92	16.09	17.80	147.86
12.94	16.10	20.90	146.64
12.96	15.92	13.91	141.76
12.98	15.88	18.90	141.76
13.00	15.64	15.90	140.54



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Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c. Falda 2.00 ml**

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	16.07	21.23	139.93
13.04	15.70	24.34	138.10
13.06	15.52	21.90	135.65
13.08	14.15	22.57	122.83
13.10	13.18	25.79	121.00
13.12	12.64	18.79	110.01
13.14	12.06	16.12	105.13
13.16	12.07	23.01	108.79
13.18	12.25	21.34	110.01
13.20	13.37	22.79	119.17
13.22	14.34	23.46	125.89
13.24	14.92	26.44	100.24
13.26	15.04	28.01	125.27
13.28	15.88	25.56	134.43
13.30	16.05	33.56	117.34
13.32	16.28	28.11	133.82
13.34	17.14	19.00	139.32
13.36	16.94	30.46	129.55
13.38	16.12	35.34	127.11
13.40	15.90	16.94	105.13
13.42	15.13	28.17	91.09
13.44	14.35	22.28	87.42
13.46	14.65	30.17	92.92
13.48	14.90	31.07	95.97
13.50	14.34	24.51	87.42
13.52	14.93	27.74	104.52
13.54	14.37	28.63	94.14
13.56	14.72	25.29	97.80
13.58	14.82	21.41	95.97
13.60	13.87	30.85	95.36
13.62	13.79	15.19	97.19
13.64	12.73	22.18	84.37
13.66	12.69	23.96	89.26
13.68	12.87	24.40	95.97
13.70	12.84	22.63	92.92
13.72	12.89	24.74	92.31
13.74	12.95	22.63	94.75
13.76	13.07	24.29	92.92
13.78	13.27	20.74	95.36
13.80	12.99	21.40	92.92
13.82	12.72	15.51	89.26
13.84	12.25	18.18	88.03
13.86	11.61	18.63	81.32
13.88	11.58	16.40	94.75
13.90	10.47	16.74	75.21
13.92	10.69	26.51	81.32
13.94	11.47	25.63	91.70
13.96	11.03	27.51	85.59
13.98	10.31	38.62	75.21
14.00	9.31	24.40	70.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	8.65	25.62	68.50
14.04	7.94	18.96	61.17
14.06	7.54	17.84	59.95
14.08	7.59	19.63	61.17
14.10	7.91	21.63	66.67
14.12	8.96	17.84	75.82
14.14	10.66	20.84	86.20
14.16	11.81	30.29	88.03
14.18	13.31	31.17	95.97
14.20	13.82	40.73	99.63
14.22	15.47	34.29	109.40
14.24	17.12	35.96	119.78
14.26	18.70	48.29	123.44
14.28	18.86	33.07	129.55
14.30	19.56	48.51	138.10
14.32	18.95	48.96	125.89
14.34	19.08	45.18	136.87
14.36	18.46	42.96	131.38
14.38	16.67	29.32	119.78
14.40	16.15	40.09	115.51
14.42	15.48	31.21	104.52
14.44	14.48	25.32	109.40
14.46	14.70	25.10	118.56
14.48	13.24	36.77	104.52
14.50	11.95	32.77	92.31
14.52	11.72	53.43	95.36
14.54	9.79	25.65	84.37
14.56	8.98	26.99	78.88
14.58	8.26	32.65	81.32
14.60	7.38	44.77	81.93
14.62	5.73	49.22	70.33
14.64	4.19	45.99	61.78
14.66	2.66	50.55	55.68
14.68	1.98	46.54	55.07
14.70	1.73	58.43	58.73
14.72	1.51	76.10	64.84
14.74	1.43	86.43	126.50
14.76	1.76	81.54	427.47
14.78	2.07	80.88	414.65
14.80	1.90	78.77	308.42
14.82	1.86	67.65	390.23
14.84	2.76	50.99	453.11
14.86	4.83	38.77	373.75
14.88	5.81	49.88	320.02
14.90	7.49	60.21	271.18
14.92	10.04	58.54	279.12
14.94	11.78	56.54	285.23
14.96	12.40	59.55	136.26
14.98	12.26	55.77	122.83
15.00	12.01	55.88	120.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	11.89	59.33	121.00
15.04	11.83	57.89	121.00
15.06	11.75	50.89	121.61
15.08	11.94	47.67	123.44
15.10	12.22	44.89	126.50
15.12	12.19	46.00	124.66
15.14	12.03	46.78	126.50
15.16	11.90	46.90	127.72
15.18	11.81	45.56	128.33
15.20	11.73	45.34	128.33
15.22	11.24	44.00	125.89
15.24	11.08	44.45	124.05
15.26	10.77	44.90	124.66
15.28	10.60	44.78	124.05
15.30	10.36	44.34	124.05
15.32	10.25	44.01	124.66
15.34	10.22	43.12	125.89
15.36	10.32	41.78	127.11
15.38	10.28	42.79	128.94
15.40	10.80	40.69	128.33
15.42	11.08	40.68	129.55
15.44	11.55	39.91	131.38
15.46	12.10	40.02	136.26
15.48	12.28	41.03	131.99
15.50	12.33	41.80	131.38
15.52	12.52	44.69	134.43
15.54	12.69	46.58	133.82
15.56	12.33	46.14	131.38
15.58	11.96	46.25	129.55
15.60	11.62	46.69	128.33
15.62	11.23	46.13	126.50
15.64	10.74	46.13	124.05
15.66	10.17	47.80	122.83
15.68	9.70	49.36	119.78
15.70	9.44	49.91	121.00
15.72	9.37	49.35	122.22
15.74	9.22	48.58	122.83
15.76	9.17	46.79	122.83
15.78	9.01	45.35	122.22
15.80	8.87	43.46	121.61
15.82	8.86	42.02	124.66
15.84	8.94	40.57	127.11
15.86	9.16	39.57	128.94
15.88	9.46	39.24	131.99
15.90	9.93	40.13	136.26
15.92	10.26	40.01	138.10
15.94	10.13	39.23	135.65
15.96	10.02	40.01	135.65
15.98	10.08	40.56	136.26
16.00	10.31	41.67	139.93

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	10.60	42.78	141.76
16.04	10.97	43.12	145.42
16.06	11.62	44.12	150.31
16.08	12.54	44.67	143.59
16.10	12.92	44.12	144.81
16.12	12.75	45.67	144.81
16.14	12.73	46.23	147.86
16.16	13.54	48.89	158.85
16.18	14.20	49.89	166.79
16.20	14.55	52.01	163.13
16.22	14.72	54.89	158.24
16.24	14.77	57.89	157.02
16.26	15.02	60.11	165.57
16.28	15.44	61.23	172.89
16.30	15.85	62.11	180.22
16.32	16.21	62.56	186.94
16.34	16.45	63.00	193.04
16.36	16.62	64.45	199.15
16.38	16.41	64.56	197.92
16.40	16.78	65.00	197.92
16.42	17.61	68.67	207.08
16.44	19.54	70.67	199.15
16.46	22.06	75.12	234.55
16.48	23.88	79.78	217.46
16.50	25.06	81.56	220.51
16.52	25.60	83.45	233.33
16.54	25.91	88.90	244.93
16.56	26.27	94.11	257.14
16.58	26.53	101.23	271.18
16.60	26.50	108.78	284.62
16.62	26.48	114.33	300.49
16.64	26.44	118.66	316.36
16.66	26.43	120.99	334.07
16.68	26.34	123.88	349.94
16.70	26.26	125.87	368.86
16.72	25.99	126.54	384.74
16.74	25.54	124.64	395.12
16.76	25.00	128.19	405.49
16.78	24.46	129.63	412.21
16.80	23.94	130.51	415.87
16.82	23.30	129.39	418.93
16.84	22.94	126.95	421.98
16.86	22.74	124.71	426.25
16.88	22.63	120.93	426.86
16.90	22.74	117.93	396.34
16.92	23.06	115.14	366.42
16.94	23.75	110.91	353.60
16.96	24.97	108.46	352.99
16.98	26.75	105.45	362.76
17.00	28.46	102.22	360.32

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	29.52	101.32	352.38
17.04	30.16	103.10	347.50
17.06	30.85	107.31	345.67
17.08	31.12	114.86	343.22
17.10	31.39	120.97	337.12
17.12	31.43	129.85	333.46
17.14	31.56	134.51	332.23
17.16	31.78	137.51	334.07
17.18	31.97	140.06	335.29
17.20	32.20	143.39	336.51
17.22	32.37	145.94	340.17
17.24	32.61	145.71	336.51
17.26	32.25	147.92	333.46
17.28	32.10	151.47	316.36
17.30	32.13	154.57	316.97
17.32	31.69	153.34	304.76
17.34	31.28	160.45	297.44
17.36	30.68	163.88	289.50
17.38	28.39	175.98	221.12
17.40	29.50	153.88	210.13
17.42	29.24	150.66	206.47
17.44	27.83	151.67	195.48
17.46	26.87	151.45	186.32
17.48	25.51	143.45	176.56
17.50	23.65	133.23	164.96
17.52	21.60	127.12	152.75
17.54	19.35	121.56	140.54
17.56	17.08	115.78	127.11
17.58	14.52	111.11	112.45
17.60	12.07	101.66	100.24
17.62	9.61	94.77	88.03
17.64	7.02	109.21	76.43
17.66	5.08	106.77	71.55
17.68	3.62	118.76	66.06
17.70	2.71	140.87	83.15
17.72	2.23	147.20	123.44
17.74	2.41	136.76	128.33
17.76	3.18	111.98	566.06
17.78	3.66	101.09	667.40
17.80	4.07	83.98	679.61
17.82	5.19	75.42	715.63
17.84	5.48	52.42	444.57
17.86	4.89	42.98	148.47
17.88	4.35	50.76	146.03
17.90	4.06	61.32	147.86
17.92	4.14	72.43	152.75
17.94	4.25	79.77	155.80
17.96	4.00	82.89	73.99
17.98	3.71	86.56	71.55
18.00	3.86	100.34	62.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	4.28	109.46	59.95
18.04	4.73	129.47	69.72
18.06	5.42	133.47	70.33
18.08	6.30	150.81	65.45
18.10	8.09	163.81	77.05
18.12	9.92	162.04	84.98
18.14	10.75	133.27	78.88
18.16	11.23	117.72	71.55
18.18	11.35	93.17	66.67
18.20	11.39	72.40	63.00
18.22	11.16	56.86	58.73
18.24	10.89	47.97	55.07
18.26	10.71	47.98	52.63
18.28	10.61	52.21	51.40
18.30	10.53	53.88	49.57
18.32	10.52	54.77	48.35
18.34	10.50	54.67	47.13
18.36	10.54	53.12	46.52
18.38	10.72	48.64	155.19
18.40	11.21	47.20	152.75
18.42	11.89	45.65	155.19
18.44	12.58	45.42	160.68
18.46	13.59	47.76	163.13
18.48	14.10	47.10	161.29
18.50	13.72	45.65	157.02
18.52	12.84	47.43	151.53
18.54	11.96	48.99	149.08
18.56	11.27	49.54	144.81
18.58	10.80	50.99	142.98
18.60	10.42	51.32	139.93
18.62	10.16	51.77	142.37
18.64	9.91	51.43	141.15
18.66	9.81	51.10	142.37
18.68	9.78	50.32	144.20
18.70	9.83	49.77	144.81
18.72	10.00	49.65	150.92
18.74	10.20	48.65	151.53
18.76	10.57	48.54	157.02
18.78	10.91	47.77	161.29
18.80	11.20	46.65	162.52
18.82	11.55	46.76	166.79
18.84	11.84	47.20	168.62
18.86	11.77	49.54	164.35
18.88	11.65	51.65	162.52
18.90	11.95	52.87	168.62
18.92	12.10	53.21	170.45
18.94	11.51	52.43	161.29
18.96	11.04	52.21	158.85
18.98	11.10	52.32	162.52
19.00	11.78	53.20	174.11

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **435/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	12.98	53.99	187.55
19.04	14.09	56.09	200.98
19.06	14.55	60.65	206.47
19.08	14.91	63.31	210.13
19.10	14.65	64.98	203.42
19.12	14.15	67.09	197.92
19.14	14.06	70.42	200.37
19.16	14.41	73.09	207.08
19.18	15.02	73.54	216.24
19.20	15.63	71.65	226.62
19.22	15.79	69.31	222.95
19.24	15.13	64.31	215.02
19.26	14.49	61.42	208.30
19.28	13.62	57.31	201.59
19.30	12.76	55.86	193.65
19.32	12.37	56.64	191.82
19.34	12.51	57.31	197.31
19.36	13.08	56.63	208.30
19.38	13.67	56.87	196.70
19.40	14.21	55.76	198.53
19.42	14.78	55.20	204.03
19.44	15.43	53.98	210.74
19.46	15.86	54.65	215.02
19.48	16.12	57.54	216.24
19.50	16.68	60.54	227.23
19.52	17.37	65.10	238.22
19.54	17.92	68.21	248.60
19.56	18.19	70.21	252.87
19.58	18.33	74.77	256.53
19.60	18.55	78.65	265.08
19.62	18.40	78.65	263.86
19.64	17.71	76.99	253.48
19.66	16.32	77.21	221.12
19.68	14.55	75.87	204.03
19.70	12.80	74.42	188.77
19.72	11.68	71.64	181.44
19.74	11.07	68.64	180.22
19.76	10.78	64.97	182.05
19.78	10.61	61.31	182.66
19.80	10.33	57.64	183.27
19.82	10.08	53.86	180.22
19.84	9.79	51.29	177.78
19.86	9.60	49.29	175.95
19.88	9.46	47.63	175.34
19.90	9.37	46.07	174.73
19.92	9.35	43.62	174.73
19.94	9.52	41.73	175.34
19.96	9.68	40.62	176.56
19.98	9.84	39.73	177.78
20.00	10.05	39.50	178.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	10.30	39.84	179.61
20.04	10.71	39.83	182.66
20.06	11.30	40.95	185.71
20.08	11.82	41.50	189.99
20.10	12.66	42.50	197.92
20.12	13.72	42.84	207.08
20.14	14.88	44.39	218.68
20.16	15.79	45.83	229.67
20.18	16.48	48.95	237.61
20.20	16.60	51.39	236.39
20.22	16.16	55.17	230.28
20.24	15.14	58.73	217.46
20.26	13.83	62.62	203.42
20.28	12.52	68.51	190.60
20.30	11.64	69.17	183.27
20.32	11.03	68.07	179.00
20.34	10.61	66.29	176.56
20.36	9.78	72.97	184.49
20.38	10.09	60.09	178.39
20.40	9.98	57.10	174.73
20.42	9.97	54.87	170.45
20.44	9.90	52.99	167.40
20.46	10.09	52.10	168.62
20.48	10.36	51.54	171.06
20.50	10.77	51.77	175.95
20.52	11.40	52.10	182.66
20.54	12.02	52.21	187.55
20.56	12.83	51.99	197.31
20.58	13.86	52.21	207.69
20.60	14.07	51.44	204.64
20.62	13.74	51.77	198.53
20.64	13.30	52.66	192.43
20.66	12.83	53.66	189.99
20.68	12.66	53.21	189.38
20.70	12.19	51.43	183.88
20.72	10.67	53.22	169.84
20.74	7.91	63.32	146.03
20.76	5.42	80.65	128.33
20.78	4.10	105.10	123.44
20.80	3.50	133.32	127.11
20.82	3.04	159.10	127.72
20.84	2.96	159.65	130.77
20.86	3.02	147.10	136.26
20.88	2.93	130.65	287.67
20.90	2.92	112.98	410.99
20.92	2.68	96.54	419.54
20.94	2.21	65.87	630.77
20.96	1.96	52.76	694.87
20.98	1.78	43.76	741.27
21.00	1.69	38.65	760.81

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	1.73	35.21	758.36
21.04	1.76	40.32	777.90
21.06	1.76	41.99	788.28
21.08	1.75	39.43	793.77
21.10	1.69	36.65	796.21
21.12	1.76	33.10	813.92
21.14	1.80	33.77	821.86
21.16	1.90	36.88	839.56
21.18	1.97	39.55	836.51
21.20	2.09	43.22	840.78
21.22	2.22	44.22	847.50
21.24	2.56	46.67	849.94
21.26	2.84	47.45	823.69
21.28	3.09	50.45	778.51
21.30	3.40	58.90	768.74
21.32	3.85	71.79	815.75
21.34	4.20	90.24	766.91
21.36	4.66	109.46	724.79
21.38	5.87	104.96	422.59
21.40	6.49	130.85	390.23
21.42	7.31	165.74	385.96
21.44	8.18	194.19	372.53
21.46	8.57	213.19	342.00
21.48	8.45	219.85	312.70
21.50	8.40	213.63	287.06
21.52	8.87	204.63	281.56
21.54	9.56	214.75	284.62
21.56	10.38	217.63	291.94
21.58	11.03	219.08	296.21
21.60	11.19	221.75	291.33
21.62	10.99	222.85	281.56
21.64	10.26	214.85	262.64
21.66	9.65	220.62	249.21
21.68	9.05	236.84	236.39
21.70	8.14	252.62	218.07
21.72	6.69	242.61	194.87
21.74	5.35	213.27	174.73
21.76	4.48	212.27	163.13
21.78	3.77	212.37	153.36
21.80	3.09	205.15	158.85
21.82	2.70	193.81	268.74
21.84	2.62	175.03	371.92
21.86	2.45	167.58	426.86
21.88	2.28	149.13	585.59
21.90	2.47	128.79	627.11
21.92	2.79	126.01	760.19
21.94	3.30	116.23	828.57
21.96	3.56	116.00	782.17
21.98	4.28	125.99	803.54
22.00	6.37	143.10	911.60

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	9.35	158.87	661.29
22.04	10.82	163.32	243.71
22.06	11.36	146.09	248.60
22.08	11.63	133.65	257.14
22.10	11.94	124.75	266.91
22.12	12.21	109.75	276.68
22.14	12.51	96.42	287.67
22.16	12.90	91.53	301.71
22.18	13.32	97.75	316.36
22.20	13.76	101.20	332.23
22.22	14.20	104.97	349.33
22.24	14.53	109.75	364.59
22.26	14.66	114.75	374.97
22.28	14.54	118.31	380.46
22.30	14.19	123.42	379.85
22.32	13.84	128.09	377.41
22.34	13.51	131.54	378.02
22.36	13.02	144.34	344.44
22.38	13.79	129.57	356.04
22.40	14.21	125.46	361.54
22.42	14.63	122.13	370.70
22.44	15.13	118.13	384.13
22.46	15.62	116.02	400.00
22.48	16.10	113.02	420.15
22.50	16.76	113.35	443.96
22.52	17.28	115.02	467.77
22.54	17.90	114.68	494.63
22.56	18.49	116.79	521.49
22.58	19.06	120.13	552.01
22.60	19.46	125.68	577.04
22.62	19.84	130.24	602.08
22.64	19.96	138.56	620.39
22.66	19.90	144.34	633.82
22.68	19.41	152.45	631.99
22.70	18.69	156.78	623.44
22.72	17.86	161.00	605.74
22.74	16.75	164.67	578.88
22.76	15.95	166.88	563.61
22.78	15.83	164.77	571.55
22.80	16.20	158.21	600.24
22.82	17.29	149.65	653.97
22.84	18.83	141.21	718.68
22.86	20.11	128.87	226.01
22.88	20.96	119.31	229.67
22.90	21.56	116.63	243.71
22.92	22.08	118.85	249.82
22.94	22.36	121.63	251.65
22.96	22.35	129.62	235.16
22.98	22.09	138.73	230.28
23.00	21.60	147.72	227.84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	20.75	154.71	229.06
23.04	19.60	159.93	224.79
23.06	17.92	165.82	213.80
23.08	16.00	174.04	203.42
23.10	14.35	176.14	194.26
23.12	13.33	172.59	197.31
23.14	12.72	165.47	198.53
23.16	12.46	156.69	202.81
23.18	12.39	147.46	205.25
23.20	12.32	133.79	208.30
23.22	12.42	121.35	210.74
23.24	12.51	112.23	214.41
23.26	12.67	104.34	215.63
23.28	12.77	98.22	218.07
23.30	12.86	94.22	219.29
23.32	12.98	91.22	221.12
23.34	12.86	93.70	273.02
23.36	13.17	85.37	266.30
23.38	13.26	85.15	257.75
23.40	13.26	85.26	252.87
23.42	13.30	84.04	251.04
23.44	13.37	85.27	249.21
23.46	13.36	87.16	246.15
23.48	13.29	88.38	246.15
23.50	13.40	89.83	246.15
23.52	13.60	88.49	250.43
23.54	13.93	86.39	255.92
23.56	14.29	85.39	259.58
23.58	14.43	84.50	262.64
23.60	14.57	84.83	265.08
23.62	14.48	85.39	264.47
23.64	14.45	86.94	263.86
23.66	14.49	88.94	265.69
23.68	14.52	89.39	266.91
23.70	14.32	88.94	263.86
23.72	13.78	89.83	255.92
23.74	13.00	89.50	246.76
23.76	12.31	87.72	237.00
23.78	11.87	86.28	232.11
23.80	11.72	85.16	230.28
23.82	11.59	83.05	229.67
23.84	11.65	81.05	232.72
23.86	12.00	78.39	238.83
23.88	12.66	75.05	251.65
23.90	13.35	72.60	260.81
23.92	13.71	69.72	263.25
23.94	13.90	69.83	265.69
23.96	14.29	73.16	270.57
23.98	14.58	75.49	275.46
24.00	14.75	77.27	278.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	14.89	79.94	277.90
24.04	14.92	82.05	277.29
24.06	14.87	83.83	277.29
24.08	14.93	86.71	279.73
24.10	15.18	90.38	285.23
24.12	15.48	93.27	291.94
24.14	15.85	95.71	301.71
24.16	16.07	99.49	305.98
24.18	16.06	102.60	306.59
24.20	16.23	106.93	309.65
24.22	16.62	107.49	320.63
24.24	17.12	106.93	331.62
24.26	16.62	105.60	318.80
24.28	14.71	105.60	284.62
24.30	11.99	112.27	240.66
24.32	9.28	127.15	204.03
24.34	6.83	147.49	178.39
24.36	4.80	171.73	189.99
24.38	3.86	214.28	171.67
24.40	3.60	218.06	175.95
24.42	3.44	216.51	182.66
24.44	3.27	208.29	202.20
24.46	3.29	181.18	439.07
24.48	3.26	157.96	557.51
24.50	3.66	134.84	654.58
24.52	4.72	114.62	621.00
24.54	5.95	110.62	514.16
24.56	7.13	115.62	450.06
24.58	8.58	121.06	251.04
24.60	9.73	124.06	203.42
24.62	10.47	125.39	189.99
24.64	10.78	125.17	180.22
24.66	10.95	117.06	169.84
24.68	10.78	94.62	163.13
24.70	10.77	97.62	163.74
24.72	10.95	107.39	172.89
24.74	11.27	112.51	179.61
24.76	11.65	122.96	190.60
24.78	11.99	133.07	199.15
24.80	12.12	141.74	202.20
24.82	12.18	144.85	209.52
24.84	12.34	143.51	215.63
24.86	12.47	143.63	221.12
24.88	12.49	146.73	224.18
24.90	12.30	150.18	222.34
24.92	11.69	150.84	215.02
24.94	10.66	149.96	203.42
24.96	9.15	150.84	190.60
24.98	7.37	157.07	172.89
25.00	6.08	172.40	167.40

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	5.59	192.29	173.50
25.04	5.65	216.73	186.94
25.06	6.83	221.06	213.19
25.08	8.56	199.50	226.62
25.10	9.31	167.06	204.64
25.12	9.41	149.17	188.77
25.14	9.19	124.17	177.17
25.16	8.70	93.39	168.62
25.18	8.71	90.28	172.89
25.20	9.70	94.72	185.10
25.22	10.55	90.60	186.32
25.24	10.34	101.05	169.84
25.26	10.28	113.49	160.68
25.28	10.02	94.49	153.97
25.30	9.59	68.61	147.86
25.32	9.36	59.38	149.69
25.34	9.12	59.32	249.82
25.36	9.12	63.32	237.00
25.38	9.03	69.99	230.89
25.40	8.78	75.65	222.34
25.42	8.50	79.32	218.07
25.44	8.10	81.10	210.74
25.46	7.65	83.00	204.03
25.48	7.79	87.66	199.76
25.50	7.92	91.88	185.10
25.52	7.58	89.45	165.57
25.54	6.70	79.45	151.53
25.56	5.17	80.22	148.47
25.58	3.58	94.33	152.75
25.60	2.67	113.77	270.57
25.62	2.30	139.22	287.06
25.64	2.22	157.67	340.17
25.66	2.50	159.11	448.23
25.68	2.84	149.78	516.61
25.70	2.78	124.44	490.35
25.72	2.97	105.11	488.52
25.74	2.72	89.11	457.39
25.76	1.98	62.11	437.85
25.78	1.45	46.11	488.52
25.80	1.05	42.00	646.03
25.82	1.03	45.67	798.66
25.84	1.10	42.78	832.84
25.86	1.25	44.45	848.72
25.88	1.48	46.22	871.31
25.90	1.63	44.78	817.58
25.92	1.75	38.45	748.60
25.94	1.82	30.90	744.32
25.96	1.55	27.12	680.83
25.98	1.17	26.34	710.13
26.00	1.11	26.24	829.79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	1.15	24.02	849.94
26.04	1.14	24.80	860.32
26.06	1.26	25.02	876.80
26.08	1.82	23.91	912.82
26.10	2.18	24.36	688.77
26.12	2.03	24.59	626.50
26.14	1.82	24.37	644.20
26.16	1.57	27.93	628.33
26.18	1.32	28.37	652.75
26.20	1.10	27.27	724.79
26.22	0.99	26.61	769.96
26.24	0.97	26.28	807.81
26.26	0.98	24.39	850.55
26.28	0.99	21.06	879.85
26.30	0.95	19.62	894.50
26.32	0.95	18.73	910.99
26.34	1.52	31.69	432.36
26.36	1.39	35.02	412.82
26.38	1.18	35.24	560.56
26.40	1.05	32.35	658.85
26.42	0.98	29.13	736.39
26.44	0.98	26.13	808.42
26.46	1.03	24.24	844.44
26.48	1.27	22.24	898.78
26.50	1.78	21.35	994.63
26.52	2.34	24.13	1083.76
26.54	2.75	32.24	1145.42
26.56	3.01	44.02	1276.07
26.58	3.22	58.13	1255.92
26.60	3.11	82.35	1249.21
26.62	2.96	102.69	1136.26
26.64	2.82	129.24	893.89
26.66	2.62	163.79	870.08
26.68	2.30	177.79	832.23
26.70	1.99	181.24	813.31
26.72	1.80	168.46	780.95
26.74	1.66	151.68	751.65
26.76	1.49	139.46	774.24
26.78	1.42	111.12	784.00
26.80	1.44	90.90	814.53
26.82	1.65	71.56	852.38
26.84	2.07	58.01	801.71
26.86	2.80	53.23	729.06
26.88	4.15	52.22	552.62
26.90	5.96	54.99	271.79
26.92	7.67	57.88	157.02
26.94	9.40	66.55	115.51
26.96	10.28	70.99	88.03
26.98	10.87	70.99	73.38
27.00	11.04	50.10	84.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	11.15	45.65	101.47
27.04	11.33	48.10	119.17
27.06	11.56	51.65	135.65
27.08	11.70	54.43	153.36
27.10	11.72	58.65	168.01
27.12	11.63	65.54	180.22
27.14	11.61	70.21	193.04
27.16	11.70	73.76	208.30
27.18	11.91	74.43	224.79
27.20	12.11	76.43	240.05
27.22	12.26	78.09	252.26
27.24	12.37	80.76	262.64
27.26	12.43	83.09	268.74
27.28	12.50	83.64	277.29
27.30	12.42	85.97	277.90
27.32	12.91	85.61	261.42
27.34	13.07	86.83	265.08
27.36	13.26	87.50	270.57
27.38	13.41	88.39	277.90
27.40	13.74	88.49	288.28
27.42	14.19	88.83	300.49
27.44	14.57	89.71	311.48
27.46	14.72	90.27	315.14
27.48	14.68	90.05	316.97
27.50	14.54	91.15	317.58
27.52	14.32	90.38	315.75
27.54	14.29	90.26	317.58
27.56	14.18	89.26	320.63
27.58	14.20	89.25	324.30
27.60	14.29	88.36	329.18
27.62	14.48	87.36	337.12
27.64	14.80	86.47	345.05
27.66	15.17	88.02	352.99
27.68	15.41	90.01	357.88
27.70	15.36	92.90	354.21
27.72	14.77	96.68	342.00
27.74	13.99	102.67	329.18
27.76	13.39	110.11	321.86
27.78	13.02	114.11	321.86
27.80	12.74	117.99	316.97
27.82	12.10	120.43	309.04
27.84	11.55	119.32	299.27
27.86	11.11	115.76	293.16
27.88	10.90	111.20	289.50
27.90	10.73	107.64	290.11
27.92	10.70	105.19	295.60
27.94	10.91	102.85	301.10
27.96	11.21	98.18	307.20
27.98	11.56	94.40	314.53
28.00	11.89	89.95	319.41

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	12.12	89.17	322.47
28.04	12.19	90.17	320.63
28.06	12.09	90.94	319.41
28.08	12.07	89.61	319.41
28.10	11.88	90.72	315.75
28.12	11.56	94.05	309.04
28.14	11.40	96.93	309.65
28.16	11.65	96.26	318.19
28.18	12.23	94.48	333.46
28.20	13.19	93.59	356.04
28.22	14.44	94.48	384.74
28.24	15.30	93.14	402.44
28.26	15.43	92.36	397.56
28.28	14.81	93.47	378.02
28.30	13.37	95.94	345.05
28.32	12.51	98.49	307.81
28.34	11.86	104.60	289.50
28.36	11.77	109.16	287.67
28.38	12.27	111.16	296.83
28.40	12.80	108.94	303.54
28.42	12.91	102.83	301.71
28.44	12.80	97.05	298.05
28.46	12.50	91.05	290.11
28.48	12.14	87.61	285.84
28.50	11.80	86.50	280.34
28.52	11.57	84.39	278.51
28.54	11.38	82.50	279.73
28.56	11.22	80.50	277.90
28.58	11.12	81.60	279.12
28.60	11.09	81.83	282.17
28.62	11.16	79.83	285.23
28.64	11.41	76.82	293.16
28.66	11.80	78.49	301.71
28.68	12.55	81.15	321.86
28.70	13.27	79.82	336.51
28.72	13.79	80.71	342.61
28.74	13.88	81.82	326.13
28.76	13.22	75.59	301.10
28.78	11.88	68.37	273.63
28.80	9.96	72.92	244.32
28.82	7.29	95.37	210.13
28.84	5.40	121.70	196.09
28.86	4.38	148.81	197.31
28.88	3.51	184.03	222.95
28.90	3.09	195.36	491.57
28.92	2.80	202.25	537.97
28.94	2.68	189.25	580.71
28.96	2.64	175.02	663.13
28.98	2.69	147.46	791.33
29.00	3.11	125.02	818.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	3.86	103.13	765.08
29.04	5.23	91.91	700.37
29.06	7.34	84.79	622.22
29.08	9.33	85.23	569.72
29.10	10.64	88.34	517.22
29.12	11.52	93.90	480.59
29.14	11.90	82.12	446.40
29.16	12.17	83.56	429.30
29.18	12.37	93.12	421.98
29.20	12.48	109.34	418.31
29.22	12.56	122.56	416.48
29.24	12.55	136.23	411.60
29.26	12.61	149.79	410.99
29.28	12.81	158.01	414.04
29.30	12.44	164.37	390.23
29.32	13.26	159.48	393.89
29.34	13.82	158.49	395.73
29.36	14.38	158.37	404.27
29.38	14.70	160.93	407.33
29.40	15.16	164.71	418.31
29.42	15.56	171.71	428.69
29.44	15.84	178.49	436.63
29.46	15.97	185.04	440.29
29.48	15.91	189.15	439.07
29.50	15.51	192.37	431.75
29.52	14.92	189.93	418.31
29.54	14.46	185.59	408.55
29.56	14.27	175.70	407.94
29.58	14.27	162.03	414.04
29.60	14.44	145.70	423.81
29.62	14.74	129.69	436.63
29.64	15.08	114.47	450.67
29.66	15.42	103.35	463.49
29.68	15.66	94.57	473.26
29.70	15.68	88.57	475.09
29.72	15.51	87.90	470.21
29.74	15.34	87.23	468.38
29.76	15.25	88.00	468.38
29.78	15.20	89.00	468.38
29.80	15.33	91.00	473.26
29.82	15.72	91.66	489.74
29.84	16.24	92.21	506.23
29.86	16.67	90.99	522.10
29.88	16.67	90.99	523.32
29.90	16.13	94.54	507.45
29.92	15.14	97.65	478.14
29.94	14.12	99.42	448.23
29.96	13.21	101.75	422.59
29.98	12.44	102.75	404.27
30.00	11.73	101.31	385.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	10.82	96.97	360.93
30.04	9.39	98.64	323.08
30.06	8.76	109.19	312.09
30.08	9.49	110.97	332.84
30.10	10.47	114.19	352.38
30.12	10.92	106.63	359.10
30.14	11.41	99.30	367.03
30.16	12.13	88.63	381.68
30.18	13.09	74.97	403.66
30.20	14.23	62.19	434.19
30.22	15.16	54.41	461.05
30.24	14.85	51.96	445.79
30.26	13.20	60.29	394.51
30.28	11.08	81.51	332.84
30.30	9.44	114.74	293.16
30.32	8.65	138.88	264.47
30.34	7.69	202.78	240.05
30.36	6.70	246.00	227.23
30.38	6.33	272.67	251.65
30.40	6.05	301.45	254.09
30.42	5.70	310.56	235.16
30.44	4.96	317.34	207.69
30.46	4.26	338.89	179.61
30.48	3.67	336.34	150.31
30.50	3.21	328.56	157.02
30.52	2.90	298.11	232.11
30.54	2.72	253.43	309.04
30.56	2.62	215.55	412.82
30.58	2.66	177.54	566.06
30.60	2.84	135.42	675.34
30.62	3.07	110.53	739.44
30.64	3.25	94.31	753.48
30.66	3.89	86.41	771.79
30.68	5.02	87.18	856.65
30.70	6.95	100.74	815.75
30.72	9.49	127.85	623.44
30.74	11.23	143.07	516.61
30.76	11.93	151.40	456.78
30.78	12.08	138.73	415.26
30.80	11.99	115.51	392.67
30.82	12.00	122.73	391.45
30.84	12.12	125.73	395.12
30.86	12.13	121.73	397.56
30.88	12.25	124.51	400.00
30.90	12.31	136.74	404.27
30.92	12.35	147.85	407.94
30.94	12.31	152.41	410.38
30.96	12.30	153.07	414.04
30.98	12.31	154.07	418.31
31.00	12.25	155.74	419.54

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c. Falda 2.00 ml**

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	12.38	156.29	428.08
31.04	12.50	157.63	437.24
31.06	12.66	157.96	445.18
31.08	12.71	160.96	451.28
31.10	12.77	164.41	458.00
31.12	12.67	164.07	459.22
31.14	12.62	166.52	461.66
31.16	12.62	165.63	466.54
31.18	12.76	167.52	473.87
31.20	13.00	168.41	485.47
31.22	13.30	166.51	500.12
31.24	13.61	162.85	514.16
31.26	13.85	160.85	526.37
31.28	14.17	157.73	541.64
31.30	14.35	159.17	550.79
31.32	14.25	149.97	453.72
31.34	14.15	152.42	436.63
31.36	13.83	157.20	420.76
31.38	13.37	162.42	406.72
31.40	13.00	167.65	397.56
31.42	12.71	173.54	392.67
31.44	12.44	176.10	390.23
31.46	12.23	173.10	388.40
31.48	12.06	168.87	387.79
31.50	12.08	166.21	392.67
31.52	12.32	163.10	403.66
31.54	12.74	161.98	421.98
31.56	13.15	158.98	437.85
31.58	13.60	155.53	454.94
31.60	13.77	155.87	462.88
31.62	13.35	156.75	452.50
31.64	12.53	156.31	427.47
31.66	11.82	157.52	409.16
31.68	10.54	167.41	373.14
31.70	8.90	181.85	327.35
31.72	7.67	195.85	294.38
31.74	6.94	213.07	277.90
31.76	6.17	236.28	259.58
31.78	5.54	249.84	241.88
31.80	4.66	247.50	222.95
31.82	4.03	215.28	215.02
31.84	3.56	191.06	231.50
31.86	2.95	171.94	421.98
31.88	2.67	135.83	456.17
31.90	2.23	108.83	420.15
31.92	1.97	93.05	549.57
31.94	1.93	82.38	674.11
31.96	1.84	76.04	758.36
31.98	1.81	68.04	814.53
32.00	1.79	59.60	836.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	1.73	56.04	845.05
32.04	1.79	51.37	878.63
32.06	2.30	47.93	986.08
32.08	3.66	47.27	1120.39
32.10	5.61	46.04	943.96
32.12	7.10	53.16	630.16
32.14	7.68	55.60	541.64
32.16	8.07	52.27	513.55
32.18	8.44	61.94	490.96
32.20	8.80	74.06	458.61
32.22	9.35	90.84	432.36
32.24	10.01	96.51	419.54
32.26	10.66	102.73	409.77
32.28	11.35	110.96	407.33
32.30	11.21	105.96	381.68
32.32	10.94	91.70	332.23
32.34	9.71	84.70	284.62
32.36	8.22	84.70	256.53
32.38	7.62	98.26	274.24
32.40	9.03	116.48	322.47
32.42	10.65	140.48	328.57
32.44	11.63	139.04	324.91
32.46	12.18	137.93	324.30
32.48	12.27	123.26	318.19
32.50	12.16	102.60	318.80
32.52	11.70	75.38	313.31
32.54	11.20	62.05	310.26
32.56	10.58	58.60	302.32
32.58	9.46	69.27	285.84
32.60	7.75	86.04	258.97
32.62	6.09	106.93	238.83
32.64	4.80	135.04	224.79
32.66	4.08	156.82	227.84
32.68	3.45	177.93	242.49
32.70	2.96	189.92	303.54
32.72	2.77	194.70	364.59
32.74	2.92	180.37	553.85
32.76	3.18	158.59	624.66
32.78	3.87	135.03	640.54
32.80	5.32	117.81	709.52
32.82	6.93	102.58	557.51
32.84	8.73	88.02	525.76
32.86	10.61	86.02	544.69
32.88	11.28	92.02	520.27
32.90	10.76	106.02	467.15
32.92	9.40	92.79	406.10
32.94	7.59	75.02	353.60
32.96	6.21	89.24	323.08
32.98	5.03	109.35	301.10
33.00	4.21	133.79	304.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	3.70	160.68	317.58
33.04	3.14	178.68	346.89
33.06	2.63	174.57	451.28
33.08	2.23	149.24	607.57
33.10	1.99	132.13	634.43
33.12	1.81	106.35	670.45
33.14	1.69	84.13	693.65
33.16	1.64	68.79	749.82
33.18	1.58	56.90	806.59
33.20	1.53	51.01	862.15
33.22	1.49	45.90	916.48
33.24	1.44	41.13	956.17
33.26	1.44	37.91	1001.95
33.28	1.45	34.24	1038.58
33.30	1.46	31.24	1055.07
33.32	1.52	27.08	1089.86
33.34	1.47	27.86	1119.17
33.36	1.46	27.53	1149.08
33.38	1.47	25.98	1185.10
33.40	1.54	25.09	1210.74
33.42	1.63	24.65	1222.95
33.44	1.70	26.09	1225.40
33.46	1.85	27.76	1252.26
33.48	1.94	25.32	1273.01
33.50	1.96	25.99	1163.12
33.52	2.01	29.65	1078.27
33.54	1.99	35.88	1094.14
33.56	2.03	39.33	1080.71
33.58	2.05	41.99	1110.01
33.60	2.12	42.66	1116.73
33.62	2.32	45.44	1135.65
33.64	2.48	46.67	1163.12
33.66	2.46	47.00	1173.50
33.68	2.53	47.78	976.31
33.70	2.49	59.45	931.75
33.72	2.46	70.23	884.13
33.74	2.46	81.57	877.41
33.76	2.46	88.68	856.04
33.78	2.47	95.68	856.65
33.80	2.62	97.79	882.91
33.82	2.77	97.13	884.74
33.84	2.79	95.80	856.04
33.86	2.80	96.02	752.87
33.88	2.73	101.68	769.35
33.90	2.85	100.58	757.75
33.92	3.04	99.47	784.61
33.94	3.15	102.47	750.43
33.96	3.20	105.58	687.55
33.98	3.14	102.02	635.65
34.00	3.36	99.80	661.29

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	3.67	94.80	671.06
34.04	3.74	89.80	623.44
34.06	3.86	87.47	597.80
34.08	4.42	89.69	602.08
34.10	5.15	94.47	599.02
34.12	5.55	96.47	586.20
34.14	5.18	87.69	526.98
34.16	4.71	73.58	505.62
34.18	4.65	77.36	504.40
34.20	5.07	80.80	526.98
34.22	6.05	89.80	560.56
34.24	6.86	92.24	564.22
34.26	7.41	84.80	564.22
34.28	8.06	83.47	578.88
34.30	8.79	84.68	599.02
34.32	9.62	101.25	544.08
34.34	9.35	103.36	493.41
34.36	8.74	94.81	449.45
34.38	8.68	92.14	447.62
34.40	9.88	108.70	494.63
34.42	11.00	117.81	533.09
34.44	11.19	119.70	529.43
34.46	11.21	120.36	523.93
34.48	11.12	97.36	523.93
34.50	11.33	99.36	539.19
34.52	10.96	103.25	523.32
34.54	10.33	95.14	500.12
34.56	9.70	88.36	488.52
34.58	9.68	99.80	501.34
34.60	9.82	105.25	515.38
34.62	10.05	108.35	534.92
34.64	10.12	108.68	541.64
34.66	10.14	112.02	542.86
34.68	9.86	113.12	526.37
34.70	9.54	101.23	517.22
34.72	9.19	98.56	511.11
34.74	9.00	96.12	512.94
34.76	9.00	97.56	519.05
34.78	8.76	93.67	512.94
34.80	8.42	84.44	508.67
34.82	8.31	81.99	516.61
34.84	8.55	84.32	539.80
34.86	9.18	94.10	580.10
34.88	10.04	112.31	629.55
34.90	10.63	124.76	657.02
34.92	10.85	133.53	663.13
34.94	10.98	135.19	666.79
34.96	11.07	131.52	675.95
34.98	11.03	125.19	680.22
35.00	10.65	113.41	671.67

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	10.28	94.19	665.57
35.04	10.03	78.29	666.79
35.06	9.59	70.51	655.80
35.08	8.82	67.85	622.83
35.10	8.10	71.40	594.75
35.12	7.98	77.95	595.36
35.14	7.59	85.95	567.28
35.16	6.65	85.28	516.61
35.18	5.59	84.05	474.48
35.20	4.91	97.61	460.44
35.22	4.85	109.83	484.86
35.24	5.67	117.16	524.54
35.26	6.63	113.71	545.91
35.28	7.12	105.82	542.25
35.30	7.08	89.27	533.09
35.32	7.37	83.62	433.58
35.34	7.15	80.07	415.26
35.36	6.93	79.73	404.88
35.38	6.88	86.73	396.95
35.40	6.66	89.73	382.91
35.42	6.04	88.51	362.76
35.44	5.10	84.85	342.61
35.46	4.33	74.52	353.60
35.48	3.94	78.19	390.84
35.50	3.68	84.30	428.69
35.52	3.45	84.19	448.84
35.54	3.22	80.30	475.70
35.56	2.95	78.19	498.29
35.58	2.57	75.63	497.68
35.60	2.13	68.97	539.80
35.62	1.79	57.63	613.67
35.64	1.67	48.52	751.65
35.66	1.78	44.86	855.43
35.68	1.83	43.63	903.66
35.70	1.66	43.19	862.15
35.72	1.42	45.08	825.52
35.74	1.28	46.08	857.87
35.76	1.22	40.64	937.24
35.78	1.26	34.86	987.30
35.80	1.40	32.08	1032.48
35.82	1.72	31.53	1097.80
35.84	2.79	32.20	1236.38
35.86	3.90	34.98	1372.53
35.88	3.95	48.98	1033.70
35.90	3.72	89.21	800.49
35.92	3.30	127.09	722.95
35.94	2.90	156.87	691.21
35.96	2.59	186.09	661.90
35.98	2.19	219.76	655.19
36.00	1.98	228.87	673.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	2.00	206.88	705.25
36.04	2.06	174.88	726.01
36.06	2.10	149.32	740.66
36.08	2.12	130.87	750.43
36.10	2.12	121.65	760.19
36.12	2.25	114.54	790.72
36.14	2.76	97.54	840.17
36.16	3.12	92.76	856.65
36.18	3.30	95.32	827.35
36.20	3.28	104.87	782.78
36.22	3.08	106.54	764.47
36.24	2.94	102.87	749.82
36.26	2.64	102.20	677.17
36.28	2.81	103.42	721.73
36.30	3.61	107.64	812.70
36.32	5.18	114.34	674.11
36.34	5.83	119.34	608.79
36.36	6.83	120.67	613.06
36.38	7.96	120.23	612.45
36.40	8.52	101.45	595.97
36.42	8.79	80.12	598.41
36.44	9.34	80.57	621.61
36.46	9.64	83.57	621.00
36.48	9.56	80.01	606.35
36.50	9.41	81.68	599.02
36.52	9.43	84.90	604.52
36.54	9.44	85.35	613.06
36.56	9.43	86.68	622.22
36.58	9.23	89.90	620.39
36.60	8.78	97.35	611.23
36.62	8.30	113.23	601.46
36.64	8.24	129.01	611.23
36.66	9.52	153.12	686.32
36.68	10.97	166.56	738.22
36.70	11.30	177.34	720.51
36.72	11.22	185.34	697.92
36.74	10.63	142.00	668.01
36.76	10.64	132.11	679.00
36.78	11.26	124.33	721.73
36.80	12.04	116.66	769.96
36.82	12.84	120.33	815.75
36.84	13.34	128.66	842.61
36.86	13.88	134.65	880.46
36.88	14.29	127.65	915.87
36.90	13.93	115.43	908.55
36.92	13.17	107.64	882.29
36.94	12.63	108.97	873.14
36.96	12.60	112.19	897.56
36.98	12.83	115.41	937.85
37.00	13.18	115.52	984.86



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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	13.38	119.18	1019.66
37.04	13.31	125.85	1034.92
37.06	12.93	138.18	1030.65
37.08	12.39	140.51	1014.77
37.10	11.76	145.95	993.41
37.12	10.79	154.94	941.51
37.14	9.51	169.71	870.08
37.16	9.00	183.37	848.72
37.18	9.60	193.82	903.66
37.20	9.93	205.70	920.76
37.22	9.53	204.70	874.36
37.24	9.85	202.80	889.62
37.26	9.78	187.80	871.92
37.28	7.86	149.13	722.34
37.30	5.11	127.34	497.07
37.32	5.33	119.13	505.62
37.34	4.68	141.68	467.77
37.36	4.08	175.01	439.68
37.38	3.67	186.02	434.80
37.40	3.59	186.46	493.41
37.42	3.92	182.35	501.34
37.44	4.70	169.91	550.18
37.46	5.93	144.80	604.52
37.48	6.70	127.91	594.14
37.50	5.64	102.79	483.03
37.52	4.61	70.79	436.02
37.54	4.49	81.79	463.49
37.56	5.81	105.79	553.85
37.58	7.46	108.79	601.46
37.60	6.63	104.90	477.53
37.62	6.52	106.46	461.66
37.64	6.43	128.46	449.45
37.66	7.08	134.58	468.99
37.68	7.55	134.46	475.70
37.70	7.11	123.91	445.79
37.72	5.46	117.24	379.24
37.74	3.98	117.47	348.11
37.76	3.26	129.69	363.37
37.78	2.89	137.91	390.23
37.80	2.68	142.58	506.23
37.82	3.27	151.03	735.16
37.84	3.86	139.92	728.45
37.86	4.14	131.92	713.19
37.88	4.32	113.03	699.14
37.90	4.27	89.26	681.44
37.92	4.28	80.48	665.57
37.94	4.38	72.26	655.19
37.96	5.09	67.70	683.27
37.98	5.92	70.04	704.03
38.00	5.71	70.48	608.18

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	5.09	62.04	564.22
38.04	4.63	68.04	545.91
38.06	4.26	78.49	534.31
38.08	4.13	85.27	547.13
38.10	4.01	86.72	544.08
38.12	3.60	87.94	516.61
38.14	2.98	84.27	494.63
38.16	2.47	74.83	506.84
38.18	2.10	66.17	613.67
38.20	2.00	60.28	764.47
38.22	2.07	55.51	800.49
38.24	2.15	56.62	812.09
38.26	2.21	60.73	813.31
38.28	2.27	65.73	824.91
38.30	2.47	70.79	979.36
38.32	2.44	76.01	950.67
38.34	2.30	81.68	935.41
38.36	2.11	85.46	920.15
38.38	2.02	84.35	917.70
38.40	1.91	81.24	916.48
38.42	1.90	77.02	931.75
38.44	1.88	71.80	934.80
38.46	1.78	66.24	940.29
38.48	1.72	60.35	954.94
38.50	1.79	54.80	1019.66
38.52	2.14	49.46	1108.79
38.54	2.38	45.68	1158.24
38.56	2.41	47.35	1165.57
38.58	2.27	52.36	1158.24
38.60	2.14	56.69	1153.97
38.62	2.03	56.80	1151.53
38.64	1.94	56.13	1144.20
38.66	1.85	57.91	1137.48
38.68	1.79	59.91	1124.66
38.70	1.73	59.80	1115.51
38.72	1.71	55.58	1111.23
38.74	1.71	53.47	1108.18
38.76	1.72	52.14	1101.46
38.78	1.71	51.47	1095.97
38.80	1.71	52.59	1089.86
38.82	1.77	52.92	1089.25
38.84	1.80	52.25	1082.54
38.86	1.83	51.93	1066.67
38.88	1.80	54.93	1049.57
38.90	1.96	58.26	1063.61
38.92	2.25	61.15	1097.19
38.94	2.49	60.93	1087.42
38.96	2.65	65.93	1069.72
38.98	2.78	74.48	1001.95
39.00	2.63	86.04	957.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	2.60	87.82	962.88
39.04	2.72	91.04	955.55
39.06	2.80	99.71	941.51
39.08	2.63	107.71	879.85
39.10	2.31	108.38	879.85
39.12	2.22	96.71	934.19
39.14	2.21	85.60	973.87
39.16	2.25	78.27	1011.72
39.18	2.36	72.16	1043.47
39.20	2.45	66.93	1055.68
39.22	2.50	66.71	1055.68
39.24	2.59	68.27	1068.50
39.26	2.77	67.27	1089.86
39.28	3.13	67.16	1125.27
39.30	3.83	73.04	1145.42
39.32	6.04	74.40	777.29
39.34	7.41	92.07	704.64
39.36	9.09	110.51	734.55
39.38	9.83	112.51	711.97
39.40	9.87	116.85	665.57
39.42	9.39	107.52	614.90
39.44	8.78	88.85	578.27
39.46	8.51	82.40	578.88
39.48	8.44	81.74	589.87
39.50	8.46	78.96	607.57
39.52	8.60	83.85	630.77
39.54	8.73	92.40	654.58
39.56	8.84	98.62	674.72
39.58	8.92	101.62	694.26
39.60	9.02	104.73	714.41
39.62	9.20	109.95	737.00
39.64	9.45	111.72	763.25
39.66	9.79	111.27	793.16
39.68	10.15	109.83	822.47
39.70	10.24	113.71	835.29
39.72	10.20	113.27	838.95
39.74	10.07	112.71	842.00
39.76	10.15	115.60	859.10
39.78	10.44	114.93	889.01
39.80	10.67	119.48	916.48
39.82	10.94	125.81	943.96
39.84	11.08	127.25	967.15
39.86	11.38	128.91	1000.12
39.88	11.68	132.58	1031.26
39.90	12.01	130.24	1063.00
39.92	12.46	125.12	1106.35
39.94	12.90	123.90	1152.75
39.96	13.12	124.68	1183.27
39.98	13.29	126.01	1211.35
40.00	13.22	123.67	1224.79

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 435/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	13.05	116.33	1230.28
40.04	12.77	108.22	1229.67
40.06	12.42	107.66	1222.95
40.08	12.02	105.76	1216.24
40.10	11.72	104.31	1212.58
40.12	11.40	102.09	1204.03
40.14	11.16	101.19	1199.75
40.16	11.06	98.75	1206.47
40.18	11.10	99.52	1221.12
40.20	11.29	99.08	1246.76
40.22	11.81	98.85	1293.16
40.24	12.58	99.29	1351.77
40.26	13.46	103.95	1410.99
40.28	14.53	111.06	1481.20
40.30	15.34	119.97	1065.44
40.32	15.78	127.75	1086.20
40.34	15.97	140.86	1107.57
40.36	15.86	151.08	1121.61
40.38	15.52	171.19	1125.27
40.40	15.55	180.41	1151.53
40.42	15.40	192.29	1167.40
40.44	15.23	205.63	1184.49
40.46	14.91	217.51	1197.31
40.48	14.52	222.84	1200.37
40.50	14.06	222.17	1197.92
40.52	13.75	214.83	1202.20
40.54	13.50	214.27	1207.08
40.56	13.28	212.94	1211.35
40.58	13.25	213.26	1222.34
40.60	13.57	204.71	1254.70
40.62	14.27	193.92	1316.36
40.64	14.98	190.59	1379.85
40.66	15.28	189.91	1411.60
40.68	15.04	188.69	1410.38
40.70	14.64	187.35	1391.45
40.72	14.01	187.90	1357.26
40.74	13.54	189.00	1331.01
40.76	12.97	188.66	1290.11
40.78	12.51	186.55	1254.70
40.80	12.12	179.77	1221.73
40.82	11.84	171.99	1194.87
40.84	11.72	163.87	1177.78
40.86	11.77	157.20	1169.23
40.88	11.96	150.53	1169.23
40.90	12.32	145.97	1179.00
40.92	12.81	144.19	1202.20
40.94	13.29	143.19	1226.01
40.96	13.62	144.63	1243.71
40.98	13.94	149.63	1260.80
41.00	13.99	161.52	1260.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	13.67	172.52	1196.70
41.04	13.58	180.42	1130.77
41.06	10.91	103.44	1219.29
41.08	12.50	102.89	1312.09
41.10	14.79	97.11	1451.89
41.12	17.41	94.22	1612.45
41.14	19.33	92.66	1716.24
41.16	18.75	85.22	1675.33
41.18	17.50	84.11	1617.34
41.20	15.83	88.56	1517.21
41.22	13.59	89.56	1358.48
41.24	11.44	99.11	1210.74
41.26	9.10	110.00	1048.35
41.28	6.85	123.78	895.73
41.30	5.13	138.56	779.12
41.32	3.95	154.22	693.04
41.34	3.18	169.55	628.33
41.36	2.89	172.88	594.14
41.38	3.05	163.11	588.64
41.40	3.24	157.44	588.64
41.42	3.42	135.44	567.28
41.44	3.42	118.22	528.82
41.46	3.17	110.33	487.91
41.48	5.19	86.79	191.82
41.50	5.09	99.91	189.38
41.52	5.00	113.35	188.16
41.54	5.33	132.13	195.48
41.56	6.17	147.91	212.58
41.58	7.43	156.80	237.61
41.60	8.58	149.13	260.81
41.62	9.41	134.24	277.29
41.64	10.01	114.47	288.89
41.66	10.14	106.36	293.16
41.68	10.04	99.36	293.16
41.70	9.99	89.25	297.44
41.72	10.04	84.36	305.37
41.74	9.96	81.91	312.09
41.76	10.04	86.69	323.08
41.78	10.28	84.80	338.34
41.80	10.64	83.47	359.10
41.82	11.13	82.69	383.52
41.84	11.41	82.36	404.27
41.86	11.80	91.58	432.97
41.88	12.74	102.80	479.98
41.90	14.18	107.02	547.74
41.92	15.08	116.91	600.24
41.94	14.91	114.46	616.73
41.96	14.15	109.46	615.51
41.98	13.58	115.68	619.17
42.00	13.29	119.13	636.26

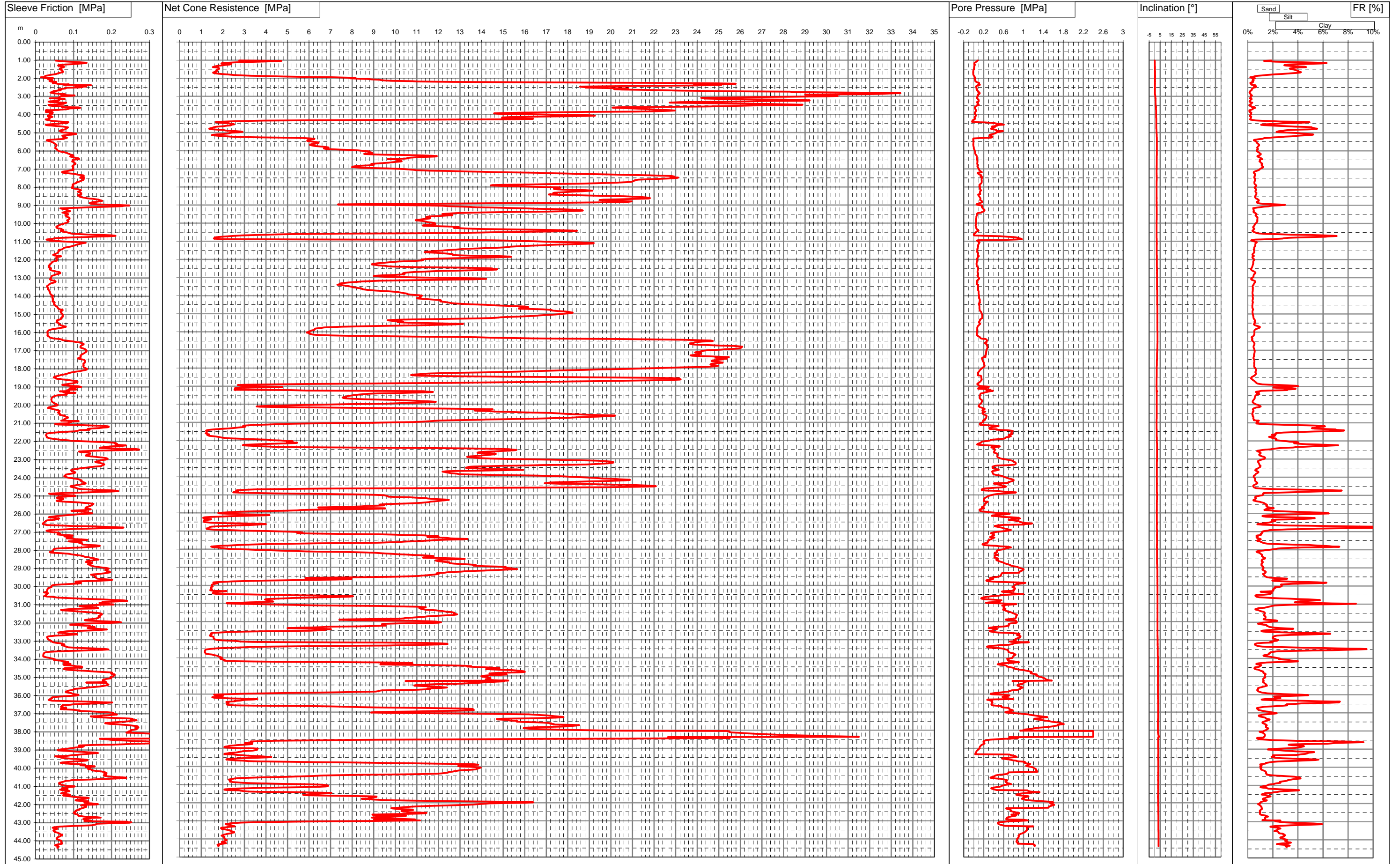
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	13.25	117.13	658.24
42.04	13.54	113.68	691.82
42.06	13.90	111.13	727.23
42.08	14.01	111.69	754.70
42.10	13.86	110.35	771.79
42.12	13.50	106.13	780.34
42.14	13.08	99.91	781.56
42.16	12.68	95.01	780.34
42.18	12.56	93.79	790.72
42.20	12.71	94.45	815.14
42.22	13.02	93.56	845.66
42.24	13.38	93.89	878.63
42.26	13.68	95.22	906.10
42.28	13.74	98.11	923.81
42.30	13.57	101.88	931.13
42.32	13.37	102.44	936.02
42.34	13.21	105.00	943.34
42.36	13.30	108.88	963.49
42.38	13.54	111.22	992.80
42.40	13.78	114.32	1022.10
42.42	14.00	113.77	1048.35
42.44	14.02	114.99	1062.39
42.46	13.95	115.43	1071.55
42.48	13.88	114.65	1080.71
42.50	19.31	69.57	898.17
42.52	19.00	74.13	893.28
42.54	17.65	79.35	842.61
42.56	16.54	79.24	804.15
42.58	15.54	80.46	777.90
42.60	14.79	84.24	766.30
42.62	14.25	84.24	769.35
42.64	13.84	88.24	779.73
42.66	13.63	89.01	799.27
42.68	13.59	89.68	826.74
42.70	13.74	91.34	865.20
42.72	13.97	91.90	909.16
42.74	14.13	91.34	950.06
42.76	14.07	89.89	976.31
42.78	13.74	88.55	983.64
42.80	13.36	87.22	984.86
42.82	13.00	87.55	985.47
42.84	12.57	88.88	978.75
42.86	12.01	88.88	958.00
42.88	11.53	87.10	941.51
42.90	11.28	85.43	940.90
42.92	11.20	81.87	950.06
42.94	11.25	78.53	965.32
42.96	11.24	75.87	974.48
42.98	11.18	72.42	978.14
43.00	11.02	70.09	975.09



# MN-CPTU6

Committente AUTOBRENNERO SPA  
 Località VILLANOVA D.B. - MN -  
 Cantiere SOVRAPASSO N° 108  
 Operatore DR.STANZANI  
 Prova nr. 1 Cert. N. 434/2011  
 Data 13/04/11 Emesso il 13/04/11  
 Falda 2.00 ml  
 Preforo 1.00 m. p.c.


  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c. Falda 2.00 ml**

Prova **1**

Cert. N. **434/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	2.76	52.83	81.32
1.04	4.72	61.84	70.33
1.06	4.31	69.62	66.06
1.08	3.93	88.73	55.68
1.10	3.14	108.07	43.47
1.12	2.63	122.51	36.75
1.14	2.25	134.29	17.83
1.16	2.00	134.18	11.11
1.18	1.93	120.74	9.89
1.20	2.05	109.85	9.89
1.22	2.38	94.86	11.11
1.24	2.32	75.86	10.50
1.26	2.14	64.97	25.15
1.28	2.00	59.86	18.44
1.30	1.87	58.86	14.16
1.32	1.75	63.97	10.50
1.34	1.65	69.75	12.33
1.36	1.60	75.20	8.67
1.38	1.53	74.86	6.84
1.40	1.65	71.86	6.84
1.42	1.80	68.09	6.23
1.44	1.82	65.53	5.62
1.46	1.83	63.20	4.40
1.48	1.82	63.76	8.67
1.50	1.80	64.31	9.28
1.52	1.77	68.50	-1.71
1.54	1.72	67.39	-3.55
1.56	1.71	69.39	-5.38
1.58	1.70	69.73	-7.82
1.60	1.68	71.18	-9.65
1.62	1.73	72.40	-10.87
1.64	1.67	72.40	-9.65
1.66	1.60	70.96	-9.65
1.68	1.55	67.74	-7.21
1.70	1.55	63.19	-9.04
1.72	1.61	58.74	-10.26
1.74	1.73	56.86	-10.87
1.76	1.91	54.09	-11.48
1.78	2.14	47.75	-10.26
1.80	2.31	41.54	-7.21
1.82	2.51	36.76	-3.55
1.84	2.81	31.77	-1.10
1.86	3.32	27.21	3.17
1.88	4.02	23.99	7.45
1.90	4.84	23.77	12.33
1.92	5.63	23.33	16.00
1.94	6.87	13.45	22.10
1.96	7.61	20.34	24.54
1.98	8.16	25.13	21.49
2.00	7.91	46.68	14.16

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	8.24	31.13	19.66
2.04	8.67	34.02	21.49
2.06	8.90	36.35	24.54
2.08	9.25	40.80	26.98
2.10	9.34	43.46	28.82
2.12	9.49	44.80	28.82
2.14	9.86	35.80	29.43
2.16	10.79	39.25	40.42
2.18	11.04	40.36	38.58
2.20	12.62	54.59	52.63
2.22	15.72	50.59	68.50
2.24	19.62	48.04	90.48
2.26	22.95	45.25	110.62
2.28	24.79	54.25	110.62
2.30	25.79	58.37	108.18
2.32	24.52	65.70	99.63
2.34	23.86	88.03	89.26
2.36	25.13	74.25	124.66
2.38	24.50	146.25	107.57
2.40	23.66	109.25	82.54
2.42	21.80	105.24	57.51
2.44	19.84	133.47	52.01
2.46	18.56	104.36	40.42
2.48	18.68	123.58	50.79
2.50	18.95	114.80	52.01
2.52	18.82	82.77	51.40
2.54	19.76	77.99	53.24
2.56	20.72	78.55	61.78
2.58	20.80	70.99	57.51
2.60	20.14	60.33	56.29
2.62	20.50	65.89	62.39
2.64	21.44	60.89	70.94
2.66	22.39	65.89	69.11
2.68	23.12	54.45	72.77
2.70	24.29	46.56	80.71
2.72	26.07	52.67	93.53
2.74	28.30	43.46	100.24
2.76	28.44	45.44	88.03
2.78	30.11	38.89	99.02
2.80	31.79	45.22	114.90
2.82	33.43	46.43	122.83
2.84	32.96	57.65	111.84
2.86	32.43	67.99	113.68
2.88	31.89	78.21	96.58
2.90	29.00	66.54	80.10
2.92	30.32	75.64	86.20
2.94	30.02	102.64	75.82
2.96	30.36	94.42	77.66
2.98	30.52	76.19	75.82
3.00	30.05	67.53	80.71

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	28.28	62.41	71.55
3.04	26.64	63.29	69.11
3.06	25.72	60.74	73.99
3.08	24.18	60.95	61.17
3.10	24.42	37.28	66.67
3.12	24.33	65.50	75.82
3.14	24.95	76.71	79.49
3.16	26.30	60.71	84.98
3.18	28.05	62.92	93.53
3.20	28.94	61.36	100.24
3.22	29.22	59.58	102.08
3.24	29.14	57.80	101.47
3.26	26.96	41.01	92.31
3.28	26.23	33.90	100.24
3.30	24.32	38.11	70.33
3.32	23.20	56.89	64.84
3.34	22.72	80.55	67.89
3.36	23.44	75.32	75.82
3.38	24.57	72.76	80.10
3.40	25.70	74.20	77.05
3.42	27.33	61.75	84.37
3.44	28.27	53.75	97.19
3.46	28.88	33.41	93.53
3.48	28.72	38.29	102.08
3.50	26.63	36.85	56.29
3.52	26.02	44.52	56.90
3.54	25.10	73.30	55.07
3.56	24.44	68.08	44.69
3.58	21.85	71.75	24.54
3.60	20.34	112.85	21.49
3.62	20.07	117.75	21.49
3.64	20.50	114.86	22.10
3.66	20.87	86.19	25.15
3.68	21.33	86.97	30.04
3.70	21.63	82.53	31.26
3.72	21.91	64.42	36.75
3.74	22.19	60.52	39.80
3.76	22.71	26.63	47.74
3.78	22.96	45.18	49.57
3.80	22.69	30.73	46.52
3.82	21.96	27.28	41.64
3.84	21.14	28.72	39.80
3.86	18.86	27.05	31.87
3.88	17.24	42.38	26.37
3.90	15.83	45.26	20.88
3.92	14.83	37.38	20.27
3.94	14.57	39.27	22.10
3.96	14.72	38.38	20.88
3.98	15.49	42.93	28.82
4.00	16.72	41.71	34.31

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c.** Falda **2.00 ml**

Prova **1**

Cert. N. **434/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	17.91	36.04	40.42
4.04	18.95	33.60	44.69
4.06	19.26	34.71	44.69
4.08	18.84	32.60	39.80
4.10	18.03	32.93	37.36
4.12	16.25	44.15	22.10
4.14	15.38	41.48	19.66
4.16	14.96	35.48	17.83
4.18	14.94	35.59	17.83
4.20	15.30	37.15	21.49
4.22	15.85	36.04	24.54
4.24	16.39	32.59	26.98
4.26	15.51	26.26	18.44
4.28	12.53	27.48	13.34
4.30	8.72	33.71	-11.48
4.32	5.90	37.04	-19.42
4.34	3.91	42.59	-25.52
4.36	2.84	51.37	-29.19
4.38	2.37	62.38	-31.02
4.40	1.77	82.04	-34.07
4.42	1.67	86.49	-23.08
4.44	1.75	84.15	227.84
4.46	1.90	78.49	352.38
4.48	2.24	65.57	420.76
4.50	2.36	59.69	463.49
4.52	2.49	45.91	559.34
4.54	2.53	30.58	534.31
4.56	2.43	25.92	606.96
4.58	2.40	30.59	511.72
4.60	2.36	39.81	440.29
4.62	2.18	53.25	472.04
4.64	2.04	63.82	417.09
4.66	1.88	71.93	367.03
4.68	1.70	80.38	374.36
4.70	1.59	85.27	425.03
4.72	1.55	83.60	379.24
4.74	1.50	82.71	378.02
4.76	1.42	80.61	358.49
4.78	1.37	80.39	345.05
4.80	1.38	78.50	372.53
4.82	1.50	74.95	385.96
4.84	1.83	71.06	440.29
4.86	2.03	65.74	451.28
4.88	2.12	63.07	451.89
4.90	2.30	62.96	463.49
4.92	2.59	65.18	588.64
4.94	2.87	67.96	541.64
4.96	2.92	68.30	517.83
4.98	2.73	74.08	459.22
5.00	2.44	85.86	445.18

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	2.31	94.42	442.12
5.04	2.31	103.09	428.08
5.06	2.19	107.53	413.43
5.08	1.97	102.09	377.41
5.10	1.72	95.09	351.77
5.12	1.52	82.65	316.36
5.14	1.49	73.21	315.75
5.16	1.61	69.77	320.02
5.18	1.84	71.43	324.30
5.20	2.11	76.77	361.54
5.22	2.37	72.43	374.97
5.24	2.74	73.66	370.09
5.26	3.78	79.88	367.64
5.28	5.03	82.66	343.22
5.30	5.68	75.11	168.01
5.32	6.07	76.11	-7.82
5.34	6.25	71.89	-10.87
5.36	6.23	54.67	-10.87
5.38	6.09	37.67	-10.26
5.40	6.01	29.45	-10.26
5.42	5.92	28.68	-10.87
5.44	5.96	31.79	-10.26
5.46	5.92	36.27	-2.94
5.48	6.03	39.16	-3.55
5.50	6.17	42.27	-4.16
5.52	6.34	44.50	-4.16
5.54	6.42	46.05	-4.16
5.56	6.45	47.50	-5.38
5.58	6.36	49.28	-6.60
5.60	6.32	51.05	-7.21
5.62	6.24	52.06	-7.82
5.64	6.13	53.28	-8.43
5.66	6.05	54.62	-9.04
5.68	6.04	55.39	-8.43
5.70	6.10	54.95	-8.43
5.72	6.19	54.28	-7.21
5.74	6.29	53.28	-5.99
5.76	6.47	52.84	-3.55
5.78	6.65	52.28	-1.10
5.80	6.81	52.17	0.73
5.82	6.91	51.61	1.95
5.84	6.86	51.17	2.56
5.86	6.75	52.05	1.95
5.88	6.68	53.61	2.56
5.90	6.77	55.16	4.40
5.92	7.03	56.39	7.45
5.94	7.51	56.50	12.33
5.96	8.00	56.94	16.61
5.98	8.30	58.83	18.44
6.00	8.44	60.72	20.88

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	8.65	63.38	22.71
6.04	8.81	68.05	24.54
6.06	8.79	72.38	25.15
6.08	8.75	76.60	26.98
6.10	8.91	80.49	29.43
6.12	8.92	83.60	30.65
6.14	8.74	85.48	29.43
6.16	8.56	88.59	30.04
6.18	8.56	90.26	33.09
6.20	8.88	92.26	36.75
6.22	9.60	96.03	42.25
6.24	10.52	99.47	48.35
6.26	11.27	97.25	53.85
6.28	11.75	92.36	58.12
6.30	11.93	91.03	61.17
6.32	11.84	92.80	63.00
6.34	11.46	97.69	61.78
6.36	11.05	102.13	60.56
6.38	10.73	106.13	61.17
6.40	10.56	112.13	63.61
6.42	10.60	114.68	68.50
6.44	10.38	114.78	69.72
6.46	9.65	112.42	68.50
6.48	10.13	98.87	69.72
6.50	10.06	97.10	68.50
6.52	10.09	97.21	69.72
6.54	10.13	98.99	70.33
6.56	10.20	99.43	72.77
6.58	10.30	96.21	74.60
6.60	10.23	98.87	75.21
6.62	10.00	101.32	73.38
6.64	9.84	102.42	73.99
6.66	9.68	103.20	73.38
6.68	9.47	104.20	71.55
6.70	9.16	105.09	70.33
6.72	8.95	105.20	70.94
6.74	8.88	103.75	72.16
6.76	8.96	100.08	76.43
6.78	9.01	99.97	78.88
6.80	8.88	99.30	78.88
6.82	8.56	97.41	76.43
6.84	8.29	96.41	73.99
6.86	8.11	98.18	73.38
6.88	8.02	99.41	73.99
6.90	7.99	99.18	76.43
6.92	8.17	98.74	81.32
6.94	8.48	98.96	86.81
6.96	9.01	98.17	92.31
6.98	9.67	98.84	98.41
7.00	10.17	99.61	103.30

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c.** Falda **2.00 ml**

Prova **1**

Cert. N. **434/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	10.46	99.50	105.13
7.04	10.71	100.06	108.18
7.06	10.88	95.06	110.62
7.08	10.96	90.28	112.45
7.10	11.57	84.16	120.39
7.12	12.50	78.05	131.38
7.14	13.20	70.71	141.15
7.16	13.94	69.38	152.14
7.18	14.65	70.16	164.96
7.20	15.64	73.60	144.20
7.22	16.58	80.49	80.71
7.24	17.23	91.38	76.43
7.26	17.88	101.15	86.81
7.28	18.64	106.38	100.24
7.30	19.43	110.93	103.91
7.32	20.16	117.04	119.78
7.34	21.06	125.15	136.87
7.36	21.75	126.82	153.97
7.38	22.51	121.59	151.53
7.40	22.82	120.14	148.47
7.42	22.95	123.47	136.26
7.44	22.92	127.69	148.47
7.46	22.76	117.23	174.73
7.48	23.12	117.34	171.06
7.50	23.09	122.23	166.79
7.52	22.88	127.45	162.52
7.54	22.56	126.90	161.29
7.56	22.22	126.56	158.85
7.58	21.61	126.34	156.41
7.60	21.27	125.23	158.24
7.62	21.12	121.67	158.85
7.64	21.14	120.89	161.90
7.66	21.05	117.67	160.07
7.68	21.05	115.22	160.07
7.70	21.00	113.43	160.07
7.72	20.93	108.10	161.90
7.74	20.70	108.43	160.68
7.76	20.25	107.98	157.02
7.78	19.79	105.31	153.97
7.80	19.29	101.64	150.92
7.82	18.50	99.19	143.59
7.84	17.40	97.85	132.60
7.86	16.28	97.07	122.83
7.88	15.20	97.40	115.51
7.90	14.49	97.06	113.06
7.92	14.42	98.28	118.56
7.94	14.79	98.27	125.89
7.96	15.32	99.71	110.01
7.98	16.03	96.93	122.83
8.00	16.90	95.37	128.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	17.54	95.37	131.99
8.04	17.65	95.70	128.94
8.06	17.50	99.03	125.89
8.08	17.48	104.91	127.11
8.10	17.35	110.47	123.44
8.12	17.38	114.13	124.66
8.14	17.54	117.23	131.38
8.16	18.00	119.90	136.87
8.18	18.82	117.79	144.81
8.20	19.15	117.12	146.64
8.22	18.94	115.23	133.82
8.24	18.60	111.12	128.33
8.26	18.26	112.34	126.50
8.28	18.00	115.00	125.27
8.30	17.65	117.55	124.05
8.32	17.38	120.66	124.05
8.34	17.31	118.99	123.44
8.36	17.35	118.10	127.11
8.38	17.49	119.99	129.55
8.40	17.48	120.10	130.77
8.42	17.12	115.01	87.42
8.44	17.77	111.35	89.26
8.46	18.46	112.80	93.53
8.48	19.32	115.35	99.63
8.50	20.04	117.58	105.13
8.52	20.64	116.69	109.40
8.54	21.09	119.13	115.51
8.56	21.42	124.36	119.78
8.58	21.66	129.58	124.66
8.60	21.74	135.36	127.72
8.62	21.81	142.25	133.21
8.64	21.78	150.47	137.48
8.66	21.18	159.58	134.43
8.68	20.35	166.02	129.55
8.70	19.65	168.12	126.50
8.72	19.47	172.12	128.94
8.74	19.60	175.57	137.48
8.76	20.19	174.79	149.08
8.78	20.69	168.56	160.07
8.80	20.96	159.56	168.62
8.82	20.81	150.66	171.67
8.84	20.28	146.44	168.01
8.86	19.18	142.88	157.02
8.88	17.34	142.43	138.10
8.90	14.79	144.20	113.06
8.92	12.12	150.64	89.87
8.94	9.32	163.86	68.50
8.96	7.34	194.75	54.46
8.98	7.41	226.08	64.22
9.00	9.24	247.30	85.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	11.47	233.07	166.79
9.04	12.17	227.51	169.23
9.06	12.45	208.62	162.52
9.08	12.94	171.06	161.90
9.10	13.35	140.28	162.52
9.12	13.73	116.50	162.52
9.14	14.53	90.06	170.45
9.16	15.30	64.95	176.56
9.18	15.94	68.72	182.05
9.20	16.52	74.05	188.16
9.22	17.30	80.05	197.92
9.24	17.83	80.38	204.03
9.26	18.32	83.28	211.36
9.28	18.64	87.50	216.85
9.30	18.70	90.17	216.24
9.32	18.56	90.61	213.19
9.34	18.01	86.83	204.03
9.36	17.05	76.62	190.60
9.38	15.64	73.17	171.06
9.40	14.33	70.51	155.19
9.42	13.59	77.95	147.86
9.44	12.85	78.01	80.71
9.46	12.58	83.34	73.38
9.48	12.36	85.68	68.50
9.50	12.17	85.80	64.84
9.52	12.27	82.80	64.84
9.54	12.50	78.91	66.06
9.56	12.65	78.36	65.45
9.58	12.44	80.69	61.78
9.60	12.09	80.47	59.34
9.62	11.73	82.69	56.29
9.64	11.48	84.03	53.85
9.66	11.44	87.69	52.63
9.68	11.44	89.03	52.63
9.70	11.56	89.47	52.63
9.72	11.61	89.47	52.01
9.74	11.60	89.36	50.18
9.76	11.45	88.03	48.96
9.78	11.27	86.58	47.74
9.80	11.14	85.25	45.91
9.82	10.97	82.59	44.08
9.84	10.94	84.59	43.47
9.86	11.09	85.03	44.69
9.88	11.27	86.92	45.91
9.90	11.38	86.59	45.30
9.92	11.44	84.48	44.08
9.94	11.49	83.26	43.47
9.96	11.61	81.26	43.47
9.98	11.77	77.59	43.47
10.00	11.84	74.15	42.86

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	11.84	72.37	43.47
10.04	11.85	68.81	42.86
10.06	11.86	65.04	42.25
10.08	11.69	62.93	40.42
10.10	11.39	61.26	38.58
10.12	11.27	59.48	37.97
10.14	11.28	57.04	37.97
10.16	11.76	55.26	43.47
10.18	12.33	54.26	48.96
10.20	12.86	54.71	53.24
10.22	12.96	55.05	52.01
10.24	12.78	55.94	48.96
10.26	12.71	59.83	47.74
10.28	13.01	65.16	53.24
10.30	13.36	68.38	56.29
10.32	13.89	68.05	61.17
10.34	14.98	71.16	69.11
10.36	16.40	73.50	80.10
10.38	17.38	68.39	87.42
10.40	18.09	65.51	93.53
10.42	18.43	70.06	97.19
10.44	17.99	69.77	71.55
10.46	17.23	75.99	60.56
10.48	15.80	81.99	50.18
10.50	14.56	86.44	42.86
10.52	13.90	90.33	39.80
10.54	13.04	92.44	36.14
10.56	10.91	98.00	25.15
10.58	7.45	112.89	9.89
10.60	5.38	136.11	1.95
10.62	4.57	162.66	3.17
10.64	3.82	198.66	0.73
10.66	3.38	207.88	2.56
10.68	2.86	210.65	6.23
10.70	2.53	193.10	232.72
10.72	2.32	158.43	525.15
10.74	2.03	133.20	644.81
10.76	1.87	100.98	744.93
10.78	1.68	69.08	832.23
10.80	1.62	54.42	880.46
10.82	1.64	48.42	882.29
10.84	1.59	45.19	927.47
10.86	1.60	33.86	953.11
10.88	2.05	28.30	968.38
10.90	6.28	36.52	873.14
10.92	12.27	38.63	694.26
10.94	14.20	36.86	90.48
10.96	15.09	54.53	65.45
10.98	15.80	70.86	75.82
11.00	16.45	89.31	83.76

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	16.84	107.86	89.87
11.04	17.49	125.98	100.85
11.06	18.53	131.87	117.95
11.08	18.95	123.98	106.35
11.10	19.21	120.76	108.18
11.12	19.17	116.65	103.30
11.14	18.88	112.66	100.85
11.16	18.28	107.10	96.58
11.18	17.64	105.55	91.70
11.20	17.18	104.99	87.42
11.22	16.82	99.43	86.81
11.24	16.41	96.10	85.59
11.26	16.04	92.76	84.98
11.28	15.62	88.21	83.76
11.30	15.34	82.54	83.15
11.32	15.20	77.76	84.37
11.34	15.03	74.98	83.15
11.36	14.63	73.09	80.71
11.38	14.14	71.53	79.49
11.40	13.78	70.87	79.49
11.42	13.14	69.86	70.94
11.44	13.03	61.21	75.82
11.46	12.76	60.77	74.60
11.48	12.53	61.22	73.38
11.50	12.32	61.66	72.16
11.52	12.12	61.33	72.16
11.54	11.85	60.44	70.33
11.56	11.60	59.66	69.72
11.58	11.40	58.89	69.11
11.60	11.35	57.67	70.33
11.62	11.59	57.22	75.21
11.64	11.93	55.67	79.49
11.66	12.17	52.78	83.15
11.68	12.38	50.00	84.37
11.70	12.63	48.22	86.20
11.72	12.67	45.78	83.15
11.74	12.68	46.56	80.71
11.76	12.67	49.67	80.71
11.78	12.98	58.22	86.81
11.80	13.74	67.00	97.80
11.82	14.80	63.22	105.13
11.84	15.34	58.22	85.59
11.86	15.37	55.89	83.76
11.88	14.95	54.44	81.93
11.90	14.28	53.56	78.88
11.92	13.39	53.56	74.60
11.94	12.50	55.11	69.72
11.96	11.88	56.78	68.50
11.98	11.50	56.78	67.28
12.00	11.23	56.78	67.89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	11.21	56.56	70.33
12.04	11.29	56.22	72.77
12.06	11.23	52.89	73.99
12.08	10.94	48.89	69.72
12.10	10.53	45.55	65.45
12.12	10.15	43.44	63.00
12.14	9.88	41.88	61.78
12.16	9.73	42.22	61.17
12.18	9.51	41.66	59.34
12.20	9.36	40.33	58.12
12.22	9.16	39.33	57.51
12.24	9.01	37.55	56.90
12.26	8.92	36.77	56.90
12.28	8.91	35.99	57.51
12.30	9.04	35.99	59.95
12.32	9.18	35.11	61.17
12.34	9.33	34.99	63.00
12.36	9.53	35.33	63.00
12.38	9.66	34.66	64.84
12.40	9.91	34.89	67.28
12.42	10.72	35.50	79.49
12.44	11.84	39.06	81.32
12.46	13.14	40.73	81.93
12.48	14.14	39.28	83.15
12.50	14.49	36.73	81.93
12.52	14.53	37.17	84.37
12.54	14.72	37.96	86.81
12.56	14.70	39.96	88.03
12.58	14.34	42.51	86.20
12.60	13.77	46.07	83.15
12.62	12.87	49.62	80.10
12.64	12.09	54.73	75.82
12.66	11.55	60.18	75.82
12.68	11.20	63.62	75.82
12.70	10.90	64.29	75.82
12.72	10.57	65.17	76.43
12.74	10.47	64.28	76.43
12.76	10.36	61.51	78.27
12.78	10.36	57.50	81.32
12.80	10.44	53.39	84.98
12.82	10.40	50.39	85.59
12.84	10.24	49.61	83.76
12.86	9.93	46.06	80.10
12.88	9.42	42.72	74.60
12.90	9.10	41.94	73.99
12.92	9.00	41.49	75.21
12.94	9.18	40.60	80.71
12.96	9.52	40.38	85.59
12.98	10.23	40.49	92.31
13.00	11.23	40.49	97.19



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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **1**

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	12.54	40.27	105.13
13.04	13.57	38.16	110.01
13.06	14.17	37.38	109.40
13.08	14.22	37.82	105.13
13.10	13.63	39.93	98.41
13.12	12.58	42.37	88.64
13.14	11.18	47.15	77.66
13.16	10.10	50.71	72.16
13.18	9.30	52.37	67.89
13.20	8.81	52.71	66.67
13.22	8.47	51.49	65.45
13.24	8.23	49.60	66.06
13.26	8.00	46.04	66.06
13.28	7.77	41.93	64.84
13.30	7.63	39.37	64.84
13.32	7.49	37.48	64.84
13.34	7.43	35.93	65.45
13.36	7.41	34.48	66.06
13.38	7.42	34.15	66.06
13.40	7.31	33.18	91.09
13.42	7.49	31.18	87.42
13.44	7.62	30.19	87.42
13.46	7.74	29.30	85.59
13.48	7.86	29.52	84.37
13.50	7.92	30.74	85.59
13.52	8.02	31.86	83.76
13.54	8.03	32.31	83.15
13.56	8.18	32.75	83.76
13.58	8.27	33.53	84.37
13.60	8.42	33.20	84.98
13.62	8.45	32.53	83.76
13.64	8.46	33.53	83.76
13.66	8.53	34.75	83.76
13.68	8.68	34.75	84.98
13.70	8.84	35.09	86.81
13.72	9.08	36.31	90.48
13.74	9.35	37.31	93.53
13.76	9.71	37.42	96.58
13.78	9.90	36.98	96.58
13.80	10.09	37.54	97.80
13.82	10.19	37.87	96.58
13.84	10.30	38.54	97.19
13.86	10.38	38.54	98.41
13.88	10.50	39.32	99.02
13.90	10.56	40.10	99.02
13.92	10.55	40.76	99.63
13.94	10.68	41.99	100.85
13.96	10.85	44.99	105.13
13.98	11.12	45.87	106.96
14.00	11.23	44.98	108.18

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	11.21	43.42	106.35
14.04	11.14	43.10	106.96
14.06	11.15	43.43	106.96
14.08	11.13	43.76	108.18
14.10	11.18	45.31	108.18
14.12	11.14	45.43	109.40
14.14	11.01	44.42	108.18
14.16	11.04	44.75	109.40
14.18	11.26	45.98	114.90
14.20	11.55	45.20	118.56
14.22	11.73	45.20	119.17
14.24	12.08	45.64	124.05
14.26	12.11	44.87	121.00
14.28	12.12	44.42	119.78
14.30	12.14	45.20	120.39
14.32	12.08	47.86	121.00
14.34	12.23	50.09	121.61
14.36	12.35	49.86	123.44
14.38	12.43	49.53	124.05
14.40	12.54	49.53	124.66
14.42	12.62	47.65	105.13
14.44	12.88	47.98	104.52
14.46	13.17	48.87	105.13
14.48	13.55	49.65	107.57
14.50	14.06	51.76	106.35
14.52	14.37	52.21	109.40
14.54	14.65	52.10	109.40
14.56	15.08	54.65	111.84
14.58	15.61	56.88	113.06
14.60	15.98	57.21	116.12
14.62	16.14	57.21	114.90
14.64	16.17	58.32	114.29
14.66	16.17	59.32	114.90
14.68	15.90	59.42	113.68
14.70	15.72	60.98	113.68
14.72	15.73	63.76	116.12
14.74	16.32	68.87	118.56
14.76	16.86	71.42	119.78
14.78	17.13	69.86	117.95
14.80	17.26	68.53	119.78
14.82	17.24	66.86	121.61
14.84	17.41	65.19	124.66
14.86	17.59	65.74	133.82
14.88	17.91	66.41	141.76
14.90	18.04	66.29	144.81
14.92	18.13	67.29	150.31
14.94	18.22	68.73	154.58
14.96	18.14	69.51	157.63
14.98	18.02	70.50	160.07
15.00	17.82	71.06	161.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	17.67	70.72	164.35
15.04	17.47	71.27	166.79
15.06	17.17	71.38	168.01
15.08	16.87	70.93	170.45
15.10	16.64	70.48	172.28
15.12	16.43	71.70	174.73
15.14	16.07	71.03	173.50
15.16	15.61	69.47	171.06
15.18	15.19	68.47	169.23
15.20	14.88	66.91	170.45
15.22	14.72	67.69	172.89
15.24	14.47	67.91	171.67
15.26	13.71	65.57	159.46
15.28	12.71	63.79	149.08
15.30	11.48	60.67	135.65
15.32	10.57	57.00	127.72
15.34	9.89	55.89	122.22
15.36	9.64	56.56	122.22
15.38	9.73	55.78	127.11
15.40	9.93	57.46	117.95
15.42	10.22	55.79	114.29
15.44	10.37	54.68	110.62
15.46	10.11	58.46	105.13
15.48	10.25	60.91	105.13
15.50	10.76	61.25	111.23
15.52	11.57	62.58	119.78
15.54	12.52	63.25	127.11
15.56	13.15	62.58	129.55
15.58	12.98	64.47	121.61
15.60	12.49	66.25	114.29
15.62	11.82	68.92	107.57
15.64	11.01	72.47	99.63
15.66	10.14	77.25	92.92
15.68	9.14	79.92	85.59
15.70	8.26	78.70	78.88
15.72	7.53	73.81	75.21
15.74	7.01	68.04	73.38
15.76	6.69	62.14	72.16
15.78	6.57	55.92	72.77
15.80	6.43	49.48	72.16
15.82	6.31	43.70	72.16
15.84	6.28	39.48	72.16
15.86	6.25	36.93	73.38
15.88	6.22	34.37	71.55
15.90	6.25	33.04	71.55
15.92	6.14	32.70	70.33
15.94	6.08	31.26	69.72
15.96	6.05	30.82	67.28
15.98	6.02	30.82	66.06
16.00	5.96	30.82	66.06

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Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c. Falda 2.00 ml**

Prova **1**

Cert. N. **434/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	5.94	31.38	65.45
16.04	5.89	31.38	64.84
16.06	5.95	31.38	64.22
16.08	6.02	31.83	64.22
16.10	6.07	31.71	64.22
16.12	6.05	31.16	63.61
16.14	6.12	31.16	63.61
16.16	6.20	30.72	64.22
16.18	6.50	31.17	65.45
16.20	6.99	32.28	70.33
16.22	7.96	34.84	77.66
16.24	9.32	36.39	91.09
16.26	10.92	36.29	103.91
16.28	12.53	37.63	116.12
16.30	13.73	41.07	124.05
16.32	14.43	46.41	127.11
16.34	15.19	53.63	133.82
16.36	16.41	61.19	146.03
16.38	18.38	69.19	169.84
16.40	20.24	69.33	237.00
16.42	22.19	71.67	255.92
16.44	23.31	77.90	260.20
16.46	24.07	85.12	263.25
16.48	24.62	92.90	269.96
16.50	24.73	100.23	265.69
16.52	24.66	106.12	263.25
16.54	24.25	112.78	251.65
16.56	24.01	118.56	253.48
16.58	23.88	121.34	255.92
16.60	23.85	123.89	234.55
16.62	23.81	125.67	215.63
16.64	23.65	126.88	227.23
16.66	23.66	125.77	241.27
16.68	23.69	124.54	254.09
16.70	23.85	122.21	266.91
16.72	24.24	119.64	271.79
16.74	24.72	119.31	264.47
16.76	25.11	118.63	270.57
16.78	25.66	117.63	268.13
16.80	25.96	117.84	273.63
16.82	26.09	117.83	271.18
16.84	26.07	119.83	272.41
16.86	26.06	122.71	275.46
16.88	26.04	125.82	276.68
16.90	26.00	128.03	274.85
16.92	25.97	130.58	273.02
16.94	25.67	131.68	267.52
16.96	25.34	132.90	262.03
16.98	25.09	133.11	260.81
17.00	24.78	134.33	256.53

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	24.46	133.54	252.87
17.04	24.30	134.31	252.87
17.06	24.19	133.31	252.87
17.08	24.21	132.52	252.87
17.10	24.04	130.40	249.21
17.12	23.97	128.73	249.82
17.14	23.90	128.06	247.37
17.16	24.05	126.27	249.82
17.18	24.14	124.38	247.37
17.20	24.19	122.15	246.15
17.22	24.11	121.48	245.54
17.24	24.11	119.69	246.76
17.26	23.96	118.69	239.44
17.28	23.82	117.68	235.16
17.30	23.69	117.68	231.50
17.32	23.76	119.01	235.16
17.34	24.17	119.34	237.61
17.36	24.63	117.55	213.19
17.38	25.16	117.77	221.73
17.40	25.47	116.54	235.78
17.42	24.85	110.93	172.28
17.44	25.12	113.16	166.79
17.46	25.26	117.94	167.40
17.48	25.39	122.06	168.62
17.50	25.19	127.06	167.40
17.52	25.20	128.84	172.28
17.54	25.04	129.51	174.73
17.56	24.86	129.84	174.73
17.58	24.71	130.61	177.78
17.60	24.67	130.39	182.05
17.62	24.68	130.39	182.66
17.64	24.85	130.60	187.55
17.66	25.00	129.49	194.26
17.68	25.08	128.15	199.76
17.70	25.19	126.15	205.25
17.72	25.01	125.59	204.64
17.74	24.89	125.81	206.47
17.76	24.66	126.25	204.64
17.78	24.64	126.47	208.91
17.80	24.61	126.69	209.52
17.82	24.64	125.80	210.74
17.84	24.79	125.68	215.63
17.86	24.89	125.68	217.46
17.88	24.97	126.23	216.85
17.90	24.88	126.34	213.80
17.92	24.63	126.90	207.69
17.94	24.11	129.45	199.76
17.96	23.37	131.67	188.16
17.98	22.78	132.78	180.22
18.00	22.18	135.56	169.84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	21.60	135.00	163.13
18.04	20.90	134.78	152.75
18.06	20.22	132.34	145.42
18.08	19.42	126.89	136.26
18.10	18.78	122.44	130.16
18.12	18.08	117.77	123.44
18.14	17.30	112.55	115.51
18.16	16.79	105.22	112.45
18.18	16.20	99.88	106.35
18.20	15.63	94.10	102.08
18.22	14.95	89.66	96.58
18.24	14.00	86.88	89.87
18.26	13.05	84.44	83.15
18.28	12.13	81.44	78.88
18.30	11.60	77.32	79.49
18.32	11.34	72.10	82.54
18.34	11.11	67.21	81.32
18.36	10.84	63.21	81.32
18.38	10.73	60.77	80.71
18.40	10.81	56.77	83.76
18.42	11.14	51.52	142.37
18.44	12.04	49.97	144.81
18.46	13.33	47.86	148.47
18.48	15.17	47.31	153.36
18.50	17.86	52.31	151.53
18.52	20.09	54.65	153.97
18.54	21.96	53.54	153.97
18.56	22.86	59.88	155.80
18.58	23.19	68.43	158.24
18.60	22.98	79.21	155.19
18.62	23.23	86.88	161.90
18.64	23.20	94.89	160.07
18.66	22.64	102.55	157.02
18.68	21.73	107.89	150.31
18.70	20.77	109.78	146.64
18.72	19.61	110.56	139.93
18.74	18.23	109.55	133.82
18.76	16.83	106.89	125.89
18.78	15.46	102.00	119.17
18.80	14.04	96.77	110.62
18.82	12.43	90.10	99.02
18.84	10.22	82.99	84.98
18.86	8.01	76.10	73.99
18.88	5.92	70.10	70.33
18.90	4.19	71.65	74.60
18.92	3.03	79.87	80.71
18.94	2.69	92.43	97.19
18.96	2.75	110.76	103.91
18.98	2.81	117.86	105.13
19.00	3.05	119.97	177.17

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 108**

Data **13/04/11**

Preforo **1.00 m. p.c.** Falda **2.00 ml**

Prova **1**

Cert. N. **434/2011**

Emesso il **13/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	3.97	109.52	250.43
19.04	4.77	98.75	305.98
19.06	4.51	93.42	163.13
19.08	3.40	89.08	113.68
19.10	2.57	91.85	94.14
19.12	2.56	101.86	88.03
19.14	2.75	107.30	89.87
19.16	2.83	90.64	262.03
19.18	2.75	82.75	287.67
19.20	2.53	82.31	337.73
19.22	5.17	88.18	250.43
19.24	5.89	63.65	285.23
19.26	8.69	78.97	387.79
19.28	11.32	83.97	334.68
19.30	11.45	72.76	296.21
19.32	11.75	105.31	267.52
19.34	11.56	80.21	227.84
19.36	10.83	78.32	208.30
19.38	9.98	81.55	186.94
19.40	9.21	77.85	146.64
19.42	8.79	82.19	138.10
19.44	8.54	66.75	132.60
19.46	8.36	56.97	129.55
19.48	8.19	53.42	127.11
19.50	8.06	50.31	125.89
19.52	7.97	47.09	124.05
19.54	7.80	45.87	122.22
19.56	7.76	44.87	121.61
19.58	7.73	43.42	121.00
19.60	7.65	42.54	120.39
19.62	7.55	41.65	120.39
19.64	7.57	41.76	121.00
19.66	7.59	41.76	122.22
19.68	7.80	41.20	125.27
19.70	8.04	40.99	130.16
19.72	8.55	41.54	138.71
19.74	9.15	41.76	147.25
19.76	9.83	41.99	157.63
19.78	10.35	42.32	165.57
19.80	10.78	42.76	171.06
19.82	11.19	43.65	176.56
19.84	11.60	44.88	162.52
19.86	11.88	46.21	161.90
19.88	11.84	47.88	159.46
19.90	11.44	50.43	156.41
19.92	10.91	51.99	153.36
19.94	10.30	54.21	149.08
19.96	9.60	55.88	142.37
19.98	8.78	57.55	135.04
20.00	7.68	58.55	124.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	6.61	55.77	114.90
20.04	5.81	51.99	109.40
20.06	4.95	47.21	103.91
20.08	4.28	43.66	99.63
20.10	3.76	39.10	99.02
20.12	3.57	34.32	103.91
20.14	3.73	32.99	110.01
20.16	4.80	32.32	127.11
20.18	6.54	37.43	149.69
20.20	8.50	41.88	174.73
20.22	10.50	45.21	186.94
20.24	12.20	50.32	204.64
20.26	13.86	55.77	222.34
20.28	14.51	58.55	209.52
20.30	14.18	61.99	185.71
20.32	13.78	63.66	176.56
20.34	13.67	62.10	173.50
20.36	13.85	62.43	176.56
20.38	14.32	62.10	182.05
20.40	14.64	58.35	233.94
20.42	15.19	60.57	217.46
20.44	15.83	60.69	207.08
20.46	16.48	62.13	174.73
20.48	17.15	64.13	176.56
20.50	17.58	63.91	180.22
20.52	17.74	62.80	180.22
20.54	18.10	63.91	190.60
20.56	18.46	71.02	204.03
20.58	19.00	77.02	224.18
20.60	19.67	74.68	234.55
20.62	20.18	77.46	251.65
20.64	20.16	80.68	258.36
20.66	19.86	84.56	258.97
20.68	19.37	85.12	252.87
20.70	18.81	84.78	250.43
20.72	18.49	81.67	252.26
20.74	18.10	79.00	251.65
20.76	17.60	76.88	248.60
20.78	16.86	75.55	240.66
20.80	16.13	73.21	234.55
20.82	15.19	75.54	226.01
20.84	14.21	71.09	211.36
20.86	13.88	67.09	229.67
20.88	12.70	113.31	199.15
20.90	12.06	86.97	183.88
20.92	11.73	94.29	191.21
20.94	11.52	89.74	196.70
20.96	11.32	86.51	195.48
20.98	10.83	88.28	189.38
21.00	10.02	84.61	175.34

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	8.95	61.73	158.24
21.04	7.35	50.95	139.93
21.06	5.79	56.28	125.89
21.08	5.00	75.83	125.89
21.10	4.52	113.05	128.33
21.12	4.03	147.93	125.27
21.14	3.51	174.26	131.38
21.16	3.16	189.15	309.04
21.18	2.95	192.93	457.39
21.20	2.94	192.59	501.95
21.22	3.01	189.70	454.94
21.24	3.04	178.14	434.19
21.26	2.93	168.81	372.53
21.28	2.73	154.70	336.51
21.30	2.57	138.58	311.48
21.32	2.42	136.69	316.36
21.34	2.24	142.25	321.86
21.36	1.89	142.46	316.97
21.38	1.66	116.39	465.32
21.40	1.45	112.84	450.06
21.42	1.31	109.29	537.36
21.44	1.25	103.30	696.09
21.46	1.22	86.41	761.42
21.48	1.26	70.63	784.61
21.50	1.29	57.08	780.95
21.52	1.25	45.86	771.18
21.54	1.24	36.31	762.64
21.56	1.25	30.31	760.81
21.58	1.25	28.31	754.70
21.60	1.20	28.09	749.82
21.62	1.25	28.20	759.58
21.64	1.26	27.75	778.51
21.66	1.37	26.98	741.88
21.68	1.34	28.09	708.30
21.70	1.28	28.65	699.14
21.72	1.33	29.10	731.50
21.74	1.36	28.88	740.05
21.76	1.52	28.77	747.37
21.78	1.70	29.11	720.51
21.80	1.79	33.22	716.24
21.82	1.86	35.23	655.19
21.84	1.97	40.78	641.76
21.86	2.08	46.79	635.65
21.88	2.35	54.79	631.38
21.90	2.77	62.24	600.24
21.92	3.12	72.02	537.36
21.94	3.71	85.58	436.02
21.96	4.20	95.92	351.77
21.98	4.16	111.36	333.46
22.00	4.70	134.59	329.79

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	4.96	159.04	280.95
22.04	5.24	181.71	222.95
22.06	5.03	201.82	172.89
22.08	4.98	209.49	153.36
22.10	5.16	212.49	152.14
22.12	5.46	209.16	146.03
22.14	5.38	214.94	124.66
22.16	5.00	211.83	103.91
22.18	4.32	211.94	84.98
22.20	3.80	227.82	73.38
22.22	3.33	238.26	69.11
22.24	2.94	229.04	108.18
22.26	2.92	209.26	237.61
22.28	3.09	195.37	384.13
22.30	3.43	186.81	487.91
22.32	3.81	178.03	525.76
22.34	4.23	169.59	520.27
22.36	4.49	168.25	434.19
22.38	6.70	192.68	353.60
22.40	9.07	235.57	376.19
22.42	11.89	264.46	417.09
22.44	13.46	273.02	414.04
22.46	14.71	270.91	414.04
22.48	15.26	216.02	406.10
22.50	15.46	174.80	410.99
22.52	15.62	148.57	420.76
22.54	15.55	123.46	425.64
22.56	15.30	113.79	421.98
22.58	14.91	118.90	415.26
22.60	14.57	130.78	410.99
22.62	14.20	139.00	406.72
22.64	13.95	141.67	405.49
22.66	13.83	144.11	408.55
22.68	13.80	143.56	419.54
22.70	14.20	142.44	445.18
22.72	14.62	140.77	467.15
22.74	14.66	136.21	472.65
22.76	14.65	132.77	478.75
22.78	14.47	132.10	477.53
22.80	14.29	136.76	476.31
22.82	14.05	145.09	474.48
22.84	13.91	154.76	475.70
22.86	13.72	163.31	475.09
22.88	13.47	172.64	472.04
22.90	13.33	179.20	473.87
22.92	13.42	186.64	483.03
22.94	13.59	188.63	495.85
22.96	13.74	190.19	508.67
22.98	13.97	188.29	522.10
23.00	14.43	184.96	547.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	15.17	176.29	582.54
23.04	16.19	171.73	628.33
23.06	17.25	168.39	675.95
23.08	18.17	166.28	716.24
23.10	18.88	160.71	749.82
23.12	19.42	156.93	776.07
23.14	19.71	158.27	790.72
23.16	19.93	162.70	802.93
23.18	20.09	167.92	816.97
23.20	20.12	172.25	827.96
23.22	20.12	177.25	837.12
23.24	20.04	179.58	843.83
23.26	19.91	180.91	848.11
23.28	19.56	180.46	842.61
23.30	19.30	178.35	840.78
23.32	18.88	176.34	829.79
23.34	18.22	173.12	803.54
23.36	16.80	172.78	729.67
23.38	16.03	158.68	483.03
23.40	14.99	150.35	431.75
23.42	14.14	142.79	398.17
23.44	13.58	134.46	381.07
23.46	13.40	125.35	374.36
23.48	13.35	116.69	376.19
23.50	13.27	112.35	376.80
23.52	13.29	106.80	381.07
23.54	13.68	99.79	399.39
23.56	14.26	94.69	426.86
23.58	14.94	93.35	458.00
23.60	15.68	93.79	489.13
23.62	15.93	94.35	503.17
23.64	15.23	94.68	476.31
23.66	14.00	98.79	430.52
23.68	13.00	101.91	392.67
23.70	12.39	104.46	374.97
23.72	12.19	104.35	368.25
23.74	12.28	101.79	371.92
23.76	12.37	98.13	378.63
23.78	12.46	93.01	379.85
23.80	12.58	86.01	381.68
23.82	12.75	81.12	387.18
23.84	12.88	78.68	390.23
23.86	12.95	78.57	392.06
23.88	13.47	77.24	414.04
23.90	14.53	75.57	452.50
23.92	15.50	75.01	490.96
23.94	16.45	77.46	531.87
23.96	17.30	80.46	567.28
23.98	17.75	82.57	585.59
24.00	18.12	87.68	601.46

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	18.41	95.01	621.00
24.04	18.89	101.79	646.03
24.06	19.23	107.57	667.40
24.08	19.40	112.35	685.10
24.10	19.61	115.46	702.81
24.12	20.10	117.35	737.61
24.14	20.44	121.24	771.79
24.16	20.87	117.68	792.55
24.18	20.89	119.23	801.10
24.20	20.67	121.68	801.10
24.22	20.33	123.79	797.44
24.24	19.69	125.23	774.85
24.26	18.96	128.12	747.37
24.28	18.28	130.56	722.34
24.30	17.75	132.00	704.64
24.32	17.21	131.78	687.55
24.34	17.02	128.78	684.49
24.36	16.92	122.47	409.16
24.38	17.47	115.14	404.88
24.40	18.10	109.70	421.98
24.42	19.30	102.59	461.05
24.44	20.31	97.03	503.17
24.46	21.04	92.82	542.25
24.48	21.57	91.82	574.60
24.50	21.89	93.15	602.69
24.52	22.09	98.15	632.60
24.54	21.97	102.48	648.47
24.56	21.22	105.48	641.15
24.58	19.65	109.37	590.48
24.60	17.00	110.82	489.74
24.62	12.94	117.36	354.82
24.64	9.48	130.48	263.25
24.66	6.47	154.80	200.37
24.68	4.65	178.47	174.73
24.70	3.58	203.36	161.29
24.72	3.01	216.57	159.46
24.74	2.69	217.79	160.68
24.76	2.61	196.90	237.61
24.78	2.61	169.34	488.52
24.80	2.71	138.67	497.07
24.82	2.60	112.00	601.46
24.84	2.57	75.89	733.33
24.86	2.48	49.11	849.94
24.88	2.75	35.11	838.34
24.90	3.29	40.21	752.87
24.92	4.48	56.99	656.41
24.94	5.92	73.54	543.47
24.96	7.20	88.76	449.45
24.98	8.40	102.88	403.66
25.00	9.11	104.99	373.14

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	9.47	91.33	347.50
25.04	9.53	75.33	321.86
25.06	9.62	62.34	301.71
25.08	9.65	58.45	284.62
25.10	9.66	55.34	268.13
25.12	10.07	57.79	261.42
25.14	10.67	67.46	252.87
25.16	11.02	73.12	233.33
25.18	11.40	72.24	223.57
25.20	11.51	69.13	210.74
25.22	11.68	68.02	200.98
25.24	12.00	60.25	199.76
25.26	12.34	54.80	202.81
25.28	12.49	56.03	207.08
25.30	12.31	65.14	204.64
25.32	12.14	79.92	205.25
25.34	11.98	98.37	205.86
25.36	11.81	114.04	205.86
25.38	11.62	124.54	284.62
25.40	11.59	136.76	271.79
25.42	11.42	148.54	261.42
25.44	11.19	152.65	252.87
25.46	10.92	151.54	244.93
25.48	10.43	149.10	234.55
25.50	9.91	147.32	224.18
25.52	9.48	146.88	217.46
25.54	9.27	145.55	215.02
25.56	9.43	141.66	219.90
25.58	9.49	140.65	217.46
25.60	9.18	137.87	205.25
25.62	8.69	134.43	197.92
25.64	8.37	131.98	193.65
25.66	7.96	132.42	179.00
25.68	6.98	130.86	159.46
25.70	6.42	135.86	162.52
25.72	7.79	140.42	197.31
25.74	9.53	145.41	211.97
25.76	9.54	138.96	182.66
25.78	8.83	132.18	155.80
25.80	7.57	101.07	128.94
25.82	6.22	94.07	113.06
25.84	5.60	106.85	123.44
25.86	5.47	117.07	133.82
25.88	4.85	127.51	128.33
25.90	3.80	138.96	127.11
25.92	3.07	139.39	179.61
25.94	2.63	145.51	262.64
25.96	2.27	149.51	337.12
25.98	2.05	140.17	409.77
26.00	1.79	123.50	448.23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	1.80	108.50	664.35
26.04	2.08	95.17	727.23
26.06	2.55	84.28	680.22
26.08	3.07	70.51	633.82
26.10	3.82	62.17	531.87
26.12	4.17	52.39	432.36
26.14	3.83	44.73	371.92
26.16	2.98	36.62	362.76
26.18	2.31	33.84	475.09
26.20	1.86	45.40	523.32
26.22	1.45	55.63	588.64
26.24	1.17	62.07	747.98
26.26	1.09	61.41	871.92
26.28	1.09	58.07	909.16
26.30	1.12	53.30	928.69
26.32	1.15	43.53	910.38
26.34	1.46	33.17	759.58
26.36	1.46	28.50	733.94
26.38	1.33	26.50	699.76
26.40	1.18	26.28	760.81
26.42	1.11	24.84	819.41
26.44	1.11	23.40	881.07
26.46	1.11	21.51	902.44
26.48	1.11	21.07	918.31
26.50	1.14	19.74	928.69
26.52	1.28	19.74	968.38
26.54	1.49	18.75	1005.62
26.56	1.88	19.75	1052.01
26.58	2.88	23.86	1175.33
26.60	3.72	28.30	1150.91
26.62	4.00	46.86	984.86
26.64	3.68	73.97	1017.83
26.66	3.41	100.86	614.29
26.68	2.87	153.42	480.59
26.70	2.40	183.76	465.93
26.72	2.11	207.20	422.59
26.74	1.71	231.65	423.81
26.76	1.47	215.99	468.38
26.78	1.40	180.99	505.01
26.80	1.37	136.76	541.03
26.82	1.35	102.43	572.16
26.84	1.33	77.32	595.97
26.86	1.24	58.87	616.73
26.88	1.25	40.76	653.97
26.90	1.33	31.43	683.88
26.92	1.61	28.42	716.24
26.94	1.98	31.98	746.76
26.96	2.52	35.75	735.77
26.98	3.10	39.31	687.55
27.00	4.01	46.53	634.43

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	4.77	56.97	545.30
27.04	5.18	61.53	480.59
27.06	5.54	62.19	432.97
27.08	5.71	65.42	385.96
27.10	5.45	61.09	356.04
27.12	5.48	57.20	345.67
27.14	6.25	64.98	360.93
27.16	7.82	85.20	406.10
27.18	9.30	97.87	404.27
27.20	9.94	91.99	387.79
27.22	10.48	75.54	387.79
27.24	11.35	77.54	411.60
27.26	11.54	83.77	385.35
27.28	11.96	95.88	370.09
27.30	12.01	94.66	350.55
27.32	11.75	81.99	331.62
27.34	11.49	81.88	326.13
27.36	12.14	96.44	416.48
27.38	12.40	104.00	394.51
27.40	12.55	122.22	363.37
27.42	12.93	136.22	355.43
27.44	13.35	126.78	361.54
27.46	13.05	107.33	340.78
27.48	12.34	99.33	309.04
27.50	11.74	86.44	293.77
27.52	11.65	93.22	305.37
27.54	11.36	107.44	298.66
27.56	11.16	121.54	290.11
27.58	10.53	113.87	277.29
27.60	10.19	117.43	281.56
27.62	9.78	120.54	284.62
27.64	9.22	122.43	281.56
27.66	7.94	123.31	254.09
27.68	6.34	123.53	221.12
27.70	5.13	136.86	202.20
27.72	4.06	158.08	179.61
27.74	3.33	169.29	175.34
27.76	2.95	168.07	194.87
27.78	2.62	165.17	218.68
27.80	2.23	154.95	344.44
27.82	1.86	134.05	453.11
27.84	1.58	124.27	531.87
27.86	1.46	94.60	662.51
27.88	1.53	68.82	722.34
27.90	1.69	54.93	747.98
27.92	1.82	49.82	712.58
27.94	1.93	47.15	684.49
27.96	2.08	47.26	642.98
27.98	2.27	46.48	622.83
28.00	2.58	45.70	596.58

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	3.11	46.25	574.60
28.04	3.62	46.03	514.16
28.06	4.15	42.25	477.53
28.08	4.70	37.70	468.99
28.10	5.27	37.03	458.61
28.12	5.85	40.59	459.22
28.14	6.64	51.59	472.65
28.16	7.73	67.37	475.70
28.18	8.63	84.04	451.89
28.20	9.05	90.15	425.64
28.22	9.33	95.15	420.76
28.24	9.57	101.82	425.64
28.26	9.83	110.15	433.58
28.28	10.14	116.05	447.01
28.30	10.50	121.38	465.32
28.32	10.86	126.38	484.86
28.34	11.28	127.30	422.59
28.36	11.63	130.86	424.42
28.38	11.78	139.08	426.25
28.40	11.78	144.19	423.81
28.42	11.71	148.19	423.20
28.44	11.46	154.42	416.48
28.46	11.27	156.75	412.21
28.48	11.51	160.08	431.14
28.50	12.29	165.97	468.99
28.52	13.10	160.86	494.63
28.54	13.22	151.64	488.52
28.56	12.68	146.75	462.27
28.58	12.22	138.97	451.89
28.60	11.99	133.96	454.94
28.62	11.86	137.07	465.32
28.64	11.89	132.29	486.69
28.66	12.00	139.84	505.62
28.68	12.09	148.06	525.15
28.70	12.29	147.61	548.35
28.72	12.50	148.16	574.60
28.74	12.52	145.49	590.48
28.76	12.50	137.37	603.91
28.78	12.53	139.82	619.17
28.80	12.76	143.59	644.81
28.82	13.04	143.92	666.79
28.84	13.43	145.58	695.48
28.86	13.61	150.58	715.02
28.88	13.73	152.35	733.94
28.90	13.61	159.45	742.49
28.92	13.73	167.45	763.25
28.94	14.13	173.78	799.88
28.96	14.74	181.33	847.50
28.98	15.12	189.66	882.29
29.00	15.02	192.99	889.01

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	15.02	189.32	903.05
29.04	15.24	190.32	929.91
29.06	15.38	186.65	951.89
29.08	15.52	183.53	975.70
29.10	15.66	183.97	1000.73
29.12	15.40	188.41	1003.17
29.14	14.94	188.63	994.02
29.16	14.50	193.96	978.14
29.18	14.12	195.96	969.60
29.20	13.67	196.28	953.72
29.22	13.26	193.95	934.19
29.24	13.04	188.39	931.75
29.26	12.61	181.60	915.87
29.28	12.37	173.82	907.94
29.30	12.30	164.71	917.09
29.32	11.93	152.72	566.67
29.34	12.01	145.95	561.17
29.36	12.02	149.73	558.12
29.38	11.93	152.95	554.46
29.40	11.82	153.39	553.24
29.42	11.66	157.06	550.79
29.44	11.47	156.51	546.52
29.46	11.27	156.51	542.25
29.48	11.07	158.51	536.75
29.50	10.65	159.62	522.10
29.52	10.00	159.62	492.19
29.54	8.95	160.17	442.73
29.56	7.44	162.73	378.63
29.58	6.14	174.39	330.40
29.60	5.83	188.95	323.69
29.62	6.75	202.06	354.82
29.64	7.97	199.95	393.89
29.66	7.93	182.06	370.09
29.68	7.23	157.72	329.79
29.70	6.02	119.72	283.39
29.72	4.84	105.16	254.70
29.74	3.84	104.71	250.43
29.76	3.03	112.83	270.57
29.78	2.42	118.82	331.62
29.80	2.05	120.27	458.00
29.82	1.70	113.60	680.83
29.84	1.56	100.38	903.05
29.86	1.68	84.60	1039.19
29.88	1.76	65.60	1004.39
29.90	1.68	50.71	943.34
29.92	1.61	43.71	888.40
29.94	1.54	43.49	854.82
29.96	1.50	41.61	835.29
29.98	1.49	41.16	826.13
30.00	1.49	40.72	826.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	1.50	41.73	818.80
30.04	1.51	39.73	809.65
30.06	1.53	35.62	796.21
30.08	1.50	32.63	777.29
30.10	1.45	32.74	776.07
30.12	1.44	31.30	796.82
30.14	1.44	31.19	818.19
30.16	1.44	30.86	827.96
30.18	1.46	30.09	832.84
30.20	1.49	30.54	825.52
30.22	1.50	30.88	818.19
30.24	1.45	29.88	813.31
30.26	1.41	29.44	791.94
30.28	1.44	28.33	805.98
30.30	1.55	24.45	805.37
30.32	2.18	22.32	597.80
30.34	2.00	29.76	563.00
30.36	1.79	32.77	584.98
30.38	1.62	31.66	630.77
30.40	1.55	29.55	739.44
30.42	1.54	28.55	766.91
30.44	1.53	28.33	799.27
30.46	1.62	26.89	846.89
30.48	2.03	26.34	997.07
30.50	3.26	22.34	795.60
30.52	3.96	24.23	695.48
30.54	4.90	29.23	560.56
30.56	6.48	43.34	530.04
30.58	7.79	52.57	453.72
30.60	8.05	56.46	356.04
30.62	7.90	73.02	288.28
30.64	7.41	101.90	240.66
30.66	6.62	117.91	202.20
30.68	5.79	150.02	173.50
30.70	5.20	174.91	158.85
30.72	4.74	197.80	150.31
30.74	4.35	221.02	164.96
30.76	4.01	233.47	205.86
30.78	3.95	242.02	341.39
30.80	4.02	229.68	429.30
30.82	4.06	204.68	558.73
30.84	4.12	182.57	529.43
30.86	4.23	175.13	497.68
30.88	4.31	175.23	523.32
30.90	4.34	168.12	528.20
30.92	3.77	174.22	412.21
30.94	3.20	184.77	305.37
30.96	2.73	196.77	243.71
30.98	2.18	205.66	311.48
31.00	2.19	175.87	575.82

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c.

Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	2.85	146.87	770.57
31.04	3.70	131.43	856.04
31.06	4.52	116.19	738.83
31.08	5.29	114.97	647.25
31.10	6.33	124.52	595.97
31.12	7.65	142.29	570.33
31.14	9.28	159.84	606.96
31.16	10.27	163.51	611.84
31.18	11.01	164.73	617.95
31.20	11.42	154.73	618.56
31.22	11.39	99.95	608.18
31.24	11.19	85.95	597.80
31.26	11.11	76.39	603.30
31.28	11.15	66.94	621.00
31.30	11.22	69.05	640.54
31.32	11.28	85.85	589.87
31.34	11.41	98.85	589.25
31.36	11.66	109.40	605.74
31.38	11.89	119.96	626.50
31.40	12.04	133.40	644.81
31.42	12.16	149.85	664.96
31.44	12.33	160.96	689.38
31.46	12.47	168.51	713.80
31.48	12.61	172.74	737.61
31.50	12.71	174.29	758.36
31.52	12.74	175.29	777.90
31.54	12.73	174.29	792.55
31.56	12.71	171.29	810.26
31.58	12.81	169.29	834.68
31.60	12.87	166.95	852.38
31.62	12.81	165.73	867.64
31.64	12.64	167.61	870.70
31.66	12.30	169.61	865.20
31.68	11.87	169.05	852.99
31.70	11.60	166.37	849.33
31.72	11.44	164.71	852.38
31.74	11.32	162.26	855.43
31.76	11.05	157.59	851.77
31.78	10.75	151.47	843.22
31.80	10.48	142.24	835.29
31.82	10.38	133.91	836.51
31.84	10.16	129.13	827.35
31.86	8.91	131.23	737.61
31.88	7.54	147.56	642.98
31.90	7.40	168.45	642.98
31.92	8.19	197.67	688.77
31.94	9.14	218.00	743.10
31.96	10.75	225.10	848.72
31.98	11.56	211.32	854.82
32.00	11.88	184.65	855.43

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	12.01	149.87	856.65
32.04	12.13	129.42	867.64
32.06	11.98	114.76	859.10
32.08	11.35	92.20	822.47
32.10	10.21	90.75	747.98
32.12	9.48	106.86	704.64
32.14	9.38	126.64	705.86
32.16	9.39	142.42	700.98
32.18	9.39	144.74	696.09
32.20	9.42	144.74	696.09
32.22	9.56	155.19	706.47
32.24	9.18	156.30	682.66
32.26	8.30	144.07	628.94
32.28	7.01	136.63	556.29
32.30	6.60	144.77	393.89
32.32	6.25	158.99	368.25
32.34	5.57	179.10	326.13
32.36	4.99	188.10	298.66
32.38	5.44	172.44	414.04
32.40	6.75	163.88	474.48
32.42	7.01	137.00	422.59
32.44	6.79	103.22	399.39
32.46	6.72	81.55	393.89
32.48	6.56	71.22	382.30
32.50	6.05	67.00	358.49
32.52	4.67	59.44	317.58
32.54	3.43	60.10	331.01
32.56	2.67	75.55	366.42
32.58	2.28	89.00	392.06
32.60	1.87	106.66	489.13
32.62	1.56	109.44	653.97
32.64	1.45	102.33	816.36
32.66	1.45	88.00	890.23
32.68	1.46	70.23	921.37
32.70	1.49	52.67	908.55
32.72	1.46	40.45	890.23
32.74	1.43	33.78	867.03
32.76	1.39	30.34	875.58
32.78	1.41	29.68	909.77
32.80	1.45	30.24	938.46
32.82	1.50	30.57	939.68
32.84	1.58	31.79	928.69
32.86	1.57	32.58	937.85
32.88	1.58	31.80	931.13
32.90	1.58	32.58	904.88
32.92	1.58	34.25	880.46
32.94	1.58	35.81	860.93
32.96	1.59	38.04	840.17
32.98	1.62	40.48	830.40
33.00	1.70	40.04	820.02

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	1.80	42.82	815.75
33.04	2.04	43.83	824.30
33.06	2.45	46.16	848.11
33.08	2.72	49.17	809.65
33.10	2.82	57.06	724.79
33.12	3.40	65.84	756.53
33.14	5.75	71.07	1108.18
33.16	9.39	68.96	956.17
33.18	11.48	76.08	848.72
33.20	12.06	68.30	810.87
33.22	12.40	68.30	796.82
33.24	12.43	71.86	774.24
33.26	12.01	75.42	738.22
33.28	11.45	76.09	705.25
33.30	10.61	81.67	520.27
33.32	9.61	80.56	456.17
33.34	7.46	86.23	354.82
33.36	5.49	102.90	290.72
33.38	4.19	124.34	267.52
33.40	3.37	153.23	266.91
33.42	2.95	173.45	291.33
33.44	2.43	187.34	318.80
33.46	1.96	192.22	490.35
33.48	1.68	176.11	559.34
33.50	1.48	144.55	610.01
33.52	1.35	118.78	618.56
33.54	1.22	88.55	645.42
33.56	1.19	65.44	674.72
33.58	1.19	43.88	690.60
33.60	1.18	28.99	689.38
33.62	1.17	25.32	692.43
33.64	1.17	23.32	697.31
33.66	1.18	21.65	697.31
33.68	1.16	20.98	694.87
33.70	1.16	20.98	721.73
33.72	1.19	20.21	738.22
33.74	1.20	20.21	789.50
33.76	1.20	20.54	805.98
33.78	1.22	19.87	805.98
33.80	1.36	19.76	829.18
33.82	1.52	19.76	839.56
33.84	1.56	19.65	834.07
33.86	1.63	21.21	822.47
33.88	1.72	25.99	813.31
33.90	1.76	29.99	801.71
33.92	1.80	35.11	787.67
33.94	1.85	39.55	784.00
33.96	1.89	43.78	781.56
33.98	1.95	48.00	781.56
34.00	1.97	50.89	776.07

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	1.89	50.67	766.30
34.04	1.89	48.12	693.65
34.06	1.89	57.23	669.84
34.08	1.95	67.23	704.64
34.10	2.04	70.13	696.09
34.12	2.09	77.68	687.55
34.14	2.04	84.68	688.16
34.16	2.08	86.46	690.60
34.18	2.37	84.36	735.16
34.20	3.24	74.25	813.92
34.22	5.04	76.80	872.53
34.24	7.51	88.03	910.38
34.26	9.85	92.14	829.79
34.28	10.56	78.92	771.18
34.30	10.80	73.17	566.06
34.32	10.49	76.50	533.09
34.34	9.84	89.72	499.51
34.36	9.31	100.84	478.75
34.38	9.97	106.61	517.22
34.40	11.62	121.17	603.91
34.42	12.68	122.72	642.37
34.44	13.24	122.39	656.41
34.46	13.53	121.72	666.79
34.48	13.34	78.28	661.90
34.50	13.59	75.61	694.87
34.52	14.11	78.39	741.88
34.54	14.42	73.94	773.02
34.56	14.83	80.04	809.03
34.58	14.71	85.60	815.14
34.60	14.30	97.15	816.97
34.62	14.20	119.15	843.22
34.64	14.45	132.81	889.01
34.66	14.96	148.25	948.23
34.68	15.41	160.13	1005.01
34.70	15.68	181.13	1046.52
34.72	15.77	198.24	1074.60
34.74	15.94	201.68	1107.57
34.76	16.00	199.01	1136.87
34.78	16.01	198.89	1161.90
34.80	15.71	199.66	1166.18
34.82	15.16	206.54	1151.53
34.84	14.64	208.65	1141.15
34.86	14.37	207.53	1148.47
34.88	14.53	207.75	1186.93
34.90	15.01	205.30	1243.10
34.92	15.17	205.73	1267.52
34.94	14.85	205.06	1264.47
34.96	14.41	200.17	1252.87
34.98	14.19	197.27	1258.97
35.00	14.03	196.48	1274.24

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	13.98	196.26	1293.16
35.04	14.04	199.36	1320.02
35.06	14.21	194.24	1351.16
35.08	14.32	186.23	1374.36
35.10	14.30	182.11	1392.06
35.12	14.42	178.00	1412.21
35.14	14.39	178.88	1427.47
35.16	14.31	177.21	1438.46
35.18	14.19	177.42	1446.40
35.20	14.21	179.97	1462.27
35.22	14.30	184.07	1484.25
35.24	14.72	184.63	1524.54
35.26	15.24	185.73	1569.72
35.28	10.47	133.30	777.29
35.30	15.05	183.41	1087.42
35.32	14.72	186.42	1045.30
35.34	14.35	189.31	1019.66
35.36	14.08	189.20	1008.67
35.38	13.84	189.75	1007.45
35.40	13.47	191.97	995.85
35.42	13.06	189.53	985.47
35.44	12.53	186.20	962.88
35.46	11.85	179.75	927.47
35.48	11.25	173.31	894.50
35.50	10.99	170.41	881.07
35.52	10.88	156.74	878.02
35.54	10.89	145.96	881.07
35.56	11.21	136.96	900.61
35.58	11.69	127.85	929.91
35.60	12.00	119.07	950.06
35.62	12.22	109.28	967.15
35.64	12.40	100.73	984.25
35.66	12.14	102.06	966.54
35.68	11.70	97.73	937.85
35.70	11.48	93.28	923.20
35.72	11.62	87.84	932.97
35.74	11.41	85.06	916.48
35.76	11.00	83.06	884.13
35.78	10.23	79.84	823.69
35.80	9.38	78.95	760.19
35.82	9.24	81.18	741.27
35.84	9.22	87.07	724.18
35.86	9.09	93.18	697.31
35.88	8.26	95.18	630.16
35.90	7.32	97.74	567.89
35.92	6.29	101.18	507.45
35.94	5.07	110.85	441.51
35.96	3.91	113.07	379.85
35.98	3.00	111.85	340.78
36.00	2.39	106.85	343.22

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	1.79	91.07	391.45
36.04	1.59	75.52	592.92
36.06	1.73	60.86	695.48
36.08	1.92	48.08	716.85
36.10	2.00	42.74	692.43
36.12	1.94	42.75	655.19
36.14	1.74	43.64	608.18
36.16	1.60	41.08	575.82
36.18	1.51	40.31	592.92
36.20	1.59	36.87	605.13
36.22	1.92	36.42	660.07
36.24	2.38	33.98	700.98
36.26	3.36	37.54	769.35
36.28	3.61	43.43	799.27
36.30	3.44	72.63	278.51
36.32	3.04	118.74	270.57
36.34	2.89	147.85	317.58
36.36	2.82	174.96	342.00
36.38	2.54	201.86	373.75
36.40	2.56	190.19	367.64
36.42	2.31	181.41	357.88
36.44	2.16	150.53	371.31
36.46	2.21	116.97	376.19
36.48	2.25	100.19	373.75
36.50	2.28	90.97	370.70
36.52	2.25	72.08	363.37
36.54	2.21	70.30	357.88
36.56	2.19	68.86	352.38
36.58	2.19	71.19	357.26
36.60	2.30	67.85	358.49
36.62	2.53	66.52	374.36
36.64	3.48	68.19	442.73
36.66	5.52	74.40	551.40
36.68	7.01	80.74	552.01
36.70	7.70	75.63	549.57
36.72	8.33	70.08	561.17
36.74	9.18	65.63	599.63
36.76	10.57	76.08	668.62
36.78	12.11	96.08	711.97
36.80	13.12	108.86	715.02
36.82	13.60	116.08	721.12
36.84	13.42	113.86	715.02
36.86	13.56	133.41	743.10
36.88	13.65	155.97	772.40
36.90	13.47	172.64	785.84
36.92	12.80	189.30	773.02
36.94	11.81	204.64	735.16
36.96	10.81	205.53	694.87
36.98	9.74	202.75	654.58
37.00	9.04	203.86	634.43



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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova 1

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	8.87	209.85	647.25
37.04	9.81	214.74	716.24
37.06	11.73	206.40	843.22
37.08	13.59	190.18	945.79
37.10	14.96	171.73	1014.77
37.12	16.19	171.94	1094.14
37.14	16.43	145.16	1121.00
37.16	16.75	146.60	1165.57
37.18	17.04	154.15	1216.85
37.20	17.22	170.15	1268.74
37.22	17.37	195.37	1319.41
37.24	17.55	221.69	1372.53
37.26	17.78	248.58	1433.58
37.28	17.80	256.24	1482.42
37.30	17.44	253.43	1375.58
37.32	17.02	251.66	1335.90
37.34	16.18	261.99	1280.95
37.36	14.98	266.00	1215.63
37.38	14.71	256.77	1226.62
37.40	14.73	250.44	1259.58
37.42	15.02	241.88	1321.85
37.44	15.26	225.77	1379.24
37.46	15.27	214.99	1416.48
37.48	15.63	200.10	1483.64
37.50	15.67	191.98	1522.10
37.52	15.62	183.08	1554.46
37.54	15.90	189.07	1601.46
37.56	16.52	195.85	1666.79
37.58	16.85	215.06	1714.41
37.60	17.11	227.28	1746.76
37.62	17.24	240.38	1773.01
37.64	17.18	251.49	1792.55
37.66	17.35	257.37	1807.81
37.68	17.33	267.36	1722.34
37.70	18.16	264.92	1686.32
37.72	18.53	268.03	1702.81
37.74	18.38	271.14	1672.89
37.76	18.22	270.70	1626.49
37.78	18.04	263.47	1588.64
37.80	17.64	264.14	1544.69
37.82	16.93	268.69	1473.87
37.84	16.36	265.91	1391.45
37.86	16.01	265.69	1302.32
37.88	15.94	259.58	1235.77
37.90	16.07	250.36	1197.31
37.92	16.28	251.25	1155.80
37.94	16.69	250.25	1092.31
37.96	17.31	248.04	1024.54
37.98	18.12	244.38	1011.11
38.00	19.04	246.84	1004.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	20.06	252.29	933.58
38.04	25.38	239.27	2400.00
38.06	25.49	264.74	2400.00
38.08	25.47	285.17	2400.00
38.10	25.51	308.36	2400.00
38.12	25.61	324.66	2400.00
38.14	25.95	337.39	2400.00
38.16	26.18	351.23	2400.00
38.18	26.49	361.07	2400.00
38.20	26.77	368.80	2400.00
38.22	27.19	375.31	2400.00
38.24	27.57	381.26	2400.00
38.26	28.03	386.31	2400.00
38.28	28.66	389.59	2400.00
38.30	29.29	393.86	2400.00
38.32	29.95	399.25	2400.00
38.34	30.74	396.19	2400.00
38.36	31.50	395.80	2400.00
38.38	22.64	168.98	708.30
38.40	24.89	185.31	829.18
38.42	25.52	192.53	895.73
38.44	23.75	200.76	856.65
38.46	20.70	215.65	748.60
38.48	16.36	236.98	561.17
38.50	12.66	258.32	423.81
38.52	9.66	289.32	331.62
38.54	7.62	318.54	277.90
38.56	5.96	353.20	241.27
38.58	4.48	371.65	209.52
38.60	3.73	358.98	198.53
38.62	3.30	335.09	194.87
38.64	3.38	286.86	201.59
38.66	3.38	253.42	202.20
38.68	3.23	229.52	197.31
38.70	3.03	204.30	201.59
38.72	3.14	155.30	218.68
38.74	3.37	116.18	210.74
38.76	3.36	113.29	196.70
38.78	3.23	119.85	182.66
38.80	2.96	126.85	166.79
38.82	2.67	124.18	153.36
38.84	2.47	116.30	145.42
38.86	2.32	106.53	140.54
38.88	2.23	98.43	132.60
38.90	2.13	92.10	125.89
38.92	2.08	83.66	122.22
38.94	2.07	76.45	117.95
38.96	2.15	68.68	114.90
38.98	2.69	60.69	116.73
39.00	3.43	57.59	121.00

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	3.63	58.71	111.84
39.04	3.58	75.94	95.36
39.06	3.57	94.29	88.03
39.08	3.59	106.52	80.71
39.10	3.53	120.87	74.60
39.12	3.39	136.65	67.28
39.14	3.13	157.55	59.95
39.16	2.93	164.34	55.07
39.18	2.84	153.24	53.24
39.20	2.75	141.02	49.57
39.22	2.64	132.14	45.30
39.24	2.47	122.70	41.03
39.26	2.30	110.48	36.75
39.28	2.18	97.60	33.70
39.30	2.08	88.38	31.87
39.32	2.07	82.61	30.04
39.34	2.52	51.45	715.63
39.36	2.69	55.22	737.00
39.38	2.93	60.89	766.30
39.40	3.09	67.00	796.21
39.42	3.46	66.89	830.40
39.44	3.78	73.56	841.39
39.46	4.04	86.67	860.32
39.48	4.25	93.56	859.10
39.50	4.07	114.23	779.73
39.52	3.52	127.34	652.75
39.54	2.97	136.45	600.85
39.56	2.52	137.46	567.89
39.58	2.23	133.68	617.95
39.60	2.16	123.46	680.83
39.62	2.17	108.24	719.29
39.64	2.33	94.35	754.70
39.66	2.57	81.46	791.33
39.68	2.94	70.13	846.28
39.70	3.19	65.58	870.70
39.72	3.73	69.24	912.82
39.74	4.82	79.69	1009.89
39.76	6.32	92.13	1033.70
39.78	7.88	117.80	1011.11
39.80	9.40	130.58	1024.54
39.82	10.56	124.81	1039.19
39.84	11.91	117.92	1095.36
39.86	13.10	132.81	1136.26
39.88	13.68	147.81	1125.88
39.90	13.85	156.04	1108.18
39.92	13.73	146.81	1088.03
39.94	13.28	132.15	1059.95
39.96	12.96	138.92	1050.79
39.98	12.91	143.59	1070.33
40.00	13.05	141.37	1099.63

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 108

Data 13/04/11

Preforo 1.00 m. p.c. Falda 2.00 ml

Prova **1**

Cert. N. 434/2011

Emesso il 13/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	13.47	138.26	1147.86
40.04	13.80	137.92	1183.27
40.06	13.97	144.26	1200.98
40.08	13.91	146.70	1208.91
40.10	13.79	150.26	1211.96
40.12	13.84	148.03	1232.11
40.14	13.76	155.14	1243.10
40.16	13.74	163.47	1256.53
40.18	13.48	173.69	1255.31
40.20	13.16	178.80	1249.82
40.22	12.97	182.13	1254.70
40.24	12.84	185.46	1263.25
40.26	12.74	187.01	1272.40
40.28	12.67	187.12	1277.29
40.30	12.50	185.45	1273.63
40.32	12.45	180.14	696.70
40.34	12.44	183.03	694.26
40.36	12.31	186.59	692.43
40.38	12.14	186.70	689.99
40.40	11.90	179.37	685.71
40.42	11.04	181.25	640.54
40.44	9.90	187.36	580.71
40.46	8.46	198.47	508.67
40.48	7.31	211.36	458.00
40.50	6.62	225.80	436.02
40.52	6.21	238.79	425.03
40.54	5.81	239.01	410.38
40.56	5.15	222.12	387.79
40.58	4.54	192.90	365.20
40.60	3.92	172.45	348.72
40.62	3.25	143.00	334.68
40.64	2.76	111.11	368.25
40.66	2.54	94.77	451.89
40.68	2.48	89.43	553.24
40.70	2.38	79.32	566.67
40.72	2.28	75.32	619.78
40.74	2.30	73.54	646.64
40.76	2.31	71.31	674.11
40.78	2.37	65.20	669.84
40.80	2.38	62.54	654.58
40.82	2.34	61.31	641.76
40.84	2.33	62.20	635.65
40.86	2.46	65.76	644.81
40.88	2.69	63.10	655.80
40.90	2.93	65.10	658.85
40.92	3.30	69.21	674.72
40.94	3.95	73.22	710.13
40.96	4.77	80.00	739.44
40.98	5.74	92.56	754.09
41.00	6.52	103.23	675.34

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	6.70	98.01	622.22
41.04	6.86	87.02	596.58
41.06	6.90	81.24	571.55
41.08	6.87	70.24	558.73
41.10	6.79	69.25	544.69
41.12	6.50	78.81	514.77
41.14	5.71	84.70	456.17
41.16	4.74	76.93	401.83
41.18	3.89	64.04	367.64
41.20	3.17	68.72	351.77
41.22	2.65	78.16	356.04
41.24	2.32	84.83	382.91
41.26	2.09	89.28	398.17
41.28	2.07	86.62	433.58
41.30	2.19	79.06	459.22
41.32	2.74	79.87	1077.04
41.34	2.86	73.87	1087.42
41.36	2.97	70.98	1108.18
41.38	3.18	66.98	1136.87
41.40	3.73	73.75	1195.48
41.42	5.22	75.20	1320.63
41.44	6.39	86.75	1168.01
41.46	7.04	90.98	1090.48
41.48	6.86	80.53	986.08
41.50	6.49	72.42	926.86
41.52	6.20	78.31	889.62
41.54	5.97	86.64	864.59
41.56	5.72	93.53	853.60
41.58	5.75	100.64	873.14
41.60	6.35	117.30	934.19
41.62	7.55	135.08	1032.48
41.64	8.66	140.41	1099.63
41.66	9.13	136.85	1099.63
41.68	9.13	132.63	1062.39
41.70	8.92	123.52	1018.44
41.72	8.78	112.07	990.96
41.74	8.91	107.40	994.02
41.76	8.78	105.18	981.81
41.78	8.44	106.18	959.83
41.80	8.85	117.62	1011.72
41.82	8.91	137.84	1003.17
41.84	9.22	138.94	1036.75
41.86	9.75	128.27	1095.36
41.88	10.50	128.39	1169.23
41.90	11.48	128.27	1264.47
41.92	12.92	135.93	1391.45
41.94	14.49	148.15	1489.74
41.96	15.94	155.71	1573.99
41.98	16.41	164.59	1600.24
42.00	16.02	155.70	1587.42

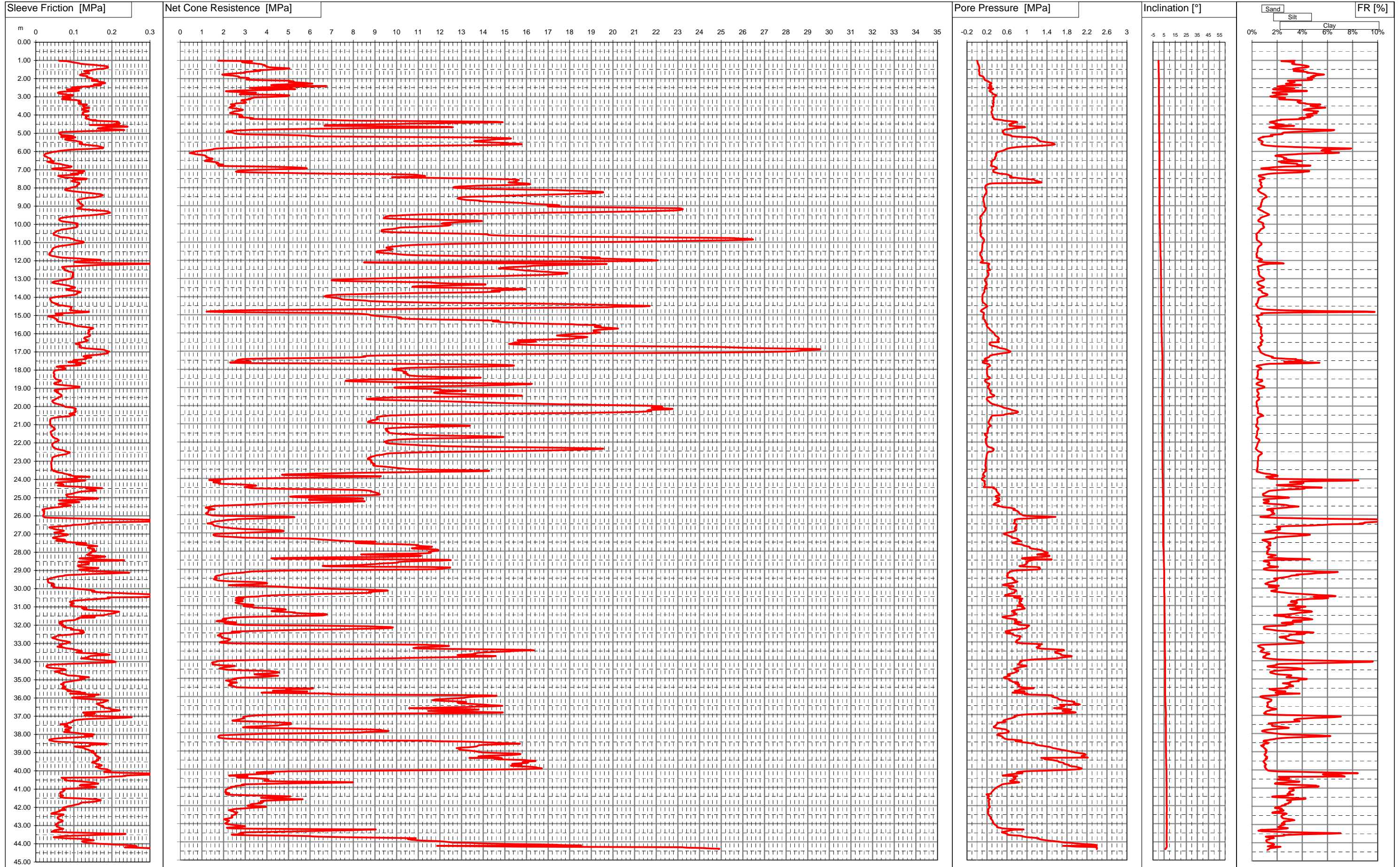
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	15.10	124.58	1555.68
42.04	14.37	119.35	1535.53
42.06	14.08	125.23	1559.34
42.08	13.87	133.12	1586.81
42.10	13.59	133.12	1608.18
42.12	13.26	133.78	1617.34
42.14	12.76	132.55	1603.91
42.16	12.08	129.88	1570.33
42.18	11.53	125.99	1545.30
42.20	11.06	123.54	1526.37
42.22	10.75	120.54	1517.83
42.24	10.45	116.09	1503.17
42.26	10.28	114.19	1500.73
42.28	10.13	115.53	1495.85
42.30	9.81	112.33	652.75
42.32	9.88	107.44	652.14
42.34	10.12	105.11	671.06
42.36	10.36	106.33	694.87
42.38	10.76	106.11	729.67
42.40	10.83	103.44	744.93
42.42	10.63	101.44	743.71
42.44	10.39	100.00	741.27
42.46	10.29	102.66	749.82
42.48	10.34	103.77	769.96
42.50	10.46	101.43	795.60
42.52	10.55	105.21	824.30
42.54	10.98	108.32	866.42
42.56	11.45	111.21	910.38
42.58	11.40	111.87	914.65
42.60	11.12	111.20	901.83
42.62	10.51	112.53	866.42
42.64	9.56	120.30	798.05
42.66	8.94	127.08	757.14
42.68	9.41	138.19	794.99
42.70	10.34	161.63	856.04
42.72	10.50	171.74	835.90
42.74	10.26	150.95	802.93
42.76	9.69	136.95	751.65
42.78	9.35	130.06	719.90
42.80	9.07	125.39	691.82
42.82	8.91	126.17	665.57
42.84	9.28	130.17	667.40
42.86	9.88	135.27	681.44
42.88	10.26	145.61	668.62
42.90	10.41	147.16	648.47
42.92	10.92	128.61	661.90
42.94	9.01	241.60	973.26
42.96	10.55	234.93	1062.39
42.98	11.14	252.71	1083.76
43.00	9.78	247.15	965.93



Committente AUTOBRENNERO SPA  
 Località VILLANOVA D. B. - MN -  
 Cantiere SOVRAPASSO N° 109  
 Operatore DR. STANZANI  
 Prova nr. 1 Cert. N. 425/2011  
 Data 12/04/11 Emesso il 12/04/11  
 Falda 0.00 ml  
 Preforo 1.00 m. p.c.

**MN-CPTU7**


  
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**Intergeo** s.p.a.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	1.75	61.32	0.12
1.04	3.32	79.44	8.06
1.06	2.97	86.00	9.89
1.08	2.85	92.23	9.89
1.10	2.86	96.45	9.89
1.12	2.97	102.67	11.11
1.14	3.14	108.90	11.72
1.16	3.38	113.56	17.22
1.18	3.54	116.56	22.10
1.20	3.70	124.01	23.32
1.22	3.77	135.90	25.76
1.24	3.81	151.13	31.26
1.26	3.91	160.90	34.92
1.28	3.87	169.46	36.75
1.30	3.94	178.57	39.80
1.32	3.97	186.24	41.03
1.34	4.02	189.68	41.64
1.36	3.99	188.13	43.47
1.38	4.14	187.13	45.30
1.40	4.39	190.24	46.52
1.42	4.79	184.79	47.13
1.44	5.04	182.24	47.13
1.46	4.96	173.79	46.52
1.48	4.78	160.80	45.30
1.50	4.33	155.35	42.86
1.52	4.00	148.58	41.03
1.54	3.62	145.02	39.19
1.56	3.41	145.47	37.97
1.58	3.70	126.73	34.92
1.60	3.45	128.96	39.19
1.62	3.22	136.29	45.30
1.64	2.99	136.29	47.13
1.66	2.95	137.41	48.96
1.68	3.01	137.52	51.40
1.70	2.76	141.19	50.18
1.72	2.49	132.30	47.74
1.74	2.25	121.86	45.91
1.76	2.05	119.75	45.30
1.78	1.94	117.86	45.91
1.80	1.99	115.64	51.40
1.82	2.17	118.53	55.68
1.84	2.42	123.64	65.45
1.86	2.55	135.54	95.36
1.88	2.67	134.31	117.34
1.90	2.73	133.43	122.22
1.92	2.70	134.76	125.27
1.94	2.72	140.54	134.43
1.96	3.07	141.98	141.76
1.98	3.18	149.09	143.59
2.00	3.13	145.98	143.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	3.08	147.32	140.54
2.04	3.10	150.32	146.64
2.06	3.06	154.44	148.47
2.08	3.40	162.66	156.41
2.10	4.20	162.77	170.45
2.12	5.03	147.22	189.99
2.14	5.14	160.22	216.24
2.16	5.24	163.22	232.72
2.18	5.02	170.00	233.33
2.20	5.02	176.78	243.71
2.22	5.46	180.22	262.64
2.24	5.85	182.45	289.50
2.26	5.91	180.23	288.89
2.28	6.11	169.01	289.50
2.30	5.74	160.23	277.90
2.32	4.90	152.46	260.81
2.34	4.29	171.79	248.60
2.36	4.20	171.01	248.60
2.38	4.65	164.68	263.86
2.40	5.89	144.46	279.12
2.42	6.76	150.57	293.77
2.44	5.95	121.80	273.63
2.46	4.67	108.36	251.65
2.48	3.72	94.47	236.39
2.50	3.55	95.36	235.16
2.52	3.20	108.03	227.84
2.54	3.33	116.14	234.55
2.56	5.08	102.53	324.91
2.58	5.32	89.97	315.14
2.60	4.70	81.76	299.27
2.62	4.17	90.53	285.84
2.64	3.53	100.10	270.57
2.66	2.77	113.54	254.70
2.68	2.29	104.65	247.99
2.70	2.11	86.10	252.87
2.72	2.30	69.99	266.30
2.74	2.64	61.43	274.85
2.76	3.09	59.88	294.38
2.78	3.50	57.88	305.98
2.80	3.12	62.44	301.10
2.82	3.11	61.66	310.26
2.84	2.99	69.66	314.53
2.86	2.75	79.22	327.96
2.88	3.38	81.11	353.60
2.90	4.59	98.33	378.63
2.92	5.05	97.44	379.24
2.94	5.01	89.23	377.41
2.96	4.98	85.78	373.14
2.98	4.82	70.67	366.42
3.00	4.42	70.12	353.60

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	3.88	80.79	338.95
3.04	3.42	86.90	327.96
3.06	3.38	91.35	328.57
3.08	3.31	77.79	334.68
3.10	3.18	70.79	332.23
3.12	3.15	68.80	337.12
3.14	3.23	72.69	337.12
3.16	3.08	90.69	333.46
3.18	2.87	107.58	328.57
3.20	2.82	113.58	326.13
3.22	2.86	116.47	328.57
3.24	2.92	115.47	329.18
3.26	2.99	114.58	331.01
3.28	3.01	113.03	331.01
3.30	3.00	117.70	335.29
3.32	3.03	117.58	336.51
3.34	2.99	116.14	333.46
3.36	2.64	116.81	323.69
3.38	2.55	112.70	321.25
3.40	2.51	117.59	318.80
3.42	2.33	134.25	323.69
3.44	2.41	132.25	329.18
3.46	2.40	132.03	328.57
3.48	2.42	128.59	329.18
3.50	2.53	123.25	329.79
3.52	2.48	126.59	327.96
3.54	2.33	126.91	321.86
3.56	2.35	126.14	296.83
3.58	2.29	132.14	293.77
3.60	2.27	140.81	294.38
3.62	2.35	135.70	295.60
3.64	2.48	128.15	299.27
3.66	2.64	122.92	302.32
3.68	2.72	122.26	304.76
3.70	2.81	122.03	307.20
3.72	2.90	124.03	308.42
3.74	2.88	128.15	307.20
3.76	2.80	136.48	304.15
3.78	2.71	138.25	299.88
3.80	2.51	139.03	292.55
3.82	2.45	131.59	290.72
3.84	2.43	125.70	290.72
3.86	2.39	123.25	290.72
3.88	2.33	124.14	290.72
3.90	2.29	124.36	291.33
3.92	2.40	124.47	296.21
3.94	2.55	122.36	301.10
3.96	2.64	122.35	303.54
3.98	2.73	122.80	306.59
4.00	2.83	128.02	310.87

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12\04\11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	2.77	137.24	308.42
4.04	2.72	138.46	309.65
4.06	2.86	135.46	314.53
4.08	2.88	133.24	315.14
4.10	2.77	132.46	313.31
4.12	2.72	133.02	312.70
4.14	2.91	133.57	322.47
4.16	3.22	130.57	332.84
4.18	3.35	130.90	337.73
4.20	3.36	132.79	337.73
4.22	3.23	140.90	335.29
4.24	4.03	139.45	360.32
4.26	6.09	141.01	425.64
4.28	6.74	158.45	491.57
4.30	7.51	148.23	528.82
4.32	8.34	165.00	553.24
4.34	10.38	194.45	634.43
4.36	13.15	214.88	740.66
4.38	14.64	217.11	797.44
4.40	14.91	213.44	807.20
4.42	14.09	213.11	778.51
4.44	12.88	216.77	740.66
4.46	11.68	221.33	707.08
4.48	10.62	215.10	680.83
4.50	10.05	204.21	675.95
4.52	8.90	217.76	642.98
4.54	7.50	141.51	683.27
4.56	6.87	163.96	658.85
4.58	6.68	200.51	654.58
4.60	6.66	230.96	657.02
4.62	8.51	238.29	763.86
4.64	11.09	241.40	898.78
4.66	12.38	205.18	955.55
4.68	12.61	175.73	965.32
4.70	11.38	175.73	902.44
4.72	9.44	163.29	807.20
4.74	7.72	162.95	730.28
4.76	6.43	174.72	677.78
4.78	5.16	201.50	622.83
4.80	4.05	222.83	577.66
4.82	3.33	232.72	553.24
4.84	2.95	205.60	539.80
4.86	2.63	175.82	528.20
4.88	2.39	140.26	518.44
4.90	2.24	112.48	515.38
4.92	2.14	84.48	513.55
4.94	2.15	67.70	515.99
4.96	2.36	62.69	528.82
4.98	2.41	61.36	532.48
5.00	2.48	60.80	534.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	2.54	62.68	534.92
5.04	2.62	65.46	536.75
5.06	2.76	65.35	541.03
5.08	3.32	65.35	567.28
5.10	4.60	69.12	627.72
5.12	5.46	83.79	671.67
5.14	5.95	94.90	690.60
5.16	5.94	98.46	684.49
5.18	6.25	76.12	704.03
5.20	7.89	66.24	788.89
5.22	11.02	103.90	962.27
5.24	13.78	100.24	1108.18
5.26	14.72	96.02	1158.24
5.28	15.13	97.13	1187.54
5.30	15.28	87.80	1207.69
5.32	15.10	76.91	1213.80
5.34	14.66	76.91	1202.20
5.36	14.41	79.36	1210.74
5.38	14.31	84.36	1228.45
5.40	14.07	96.03	1240.05
5.42	13.82	107.14	1246.15
5.44	13.58	108.70	1262.03
5.46	13.58	113.58	1290.11
5.48	13.79	119.70	1335.29
5.50	14.18	120.47	1392.06
5.52	14.49	118.69	1446.40
5.54	15.00	121.91	1508.67
5.56	14.81	116.00	1504.39
5.58	15.52	114.44	1535.53
5.60	15.78	119.34	1550.79
5.62	15.79	128.00	1558.73
5.64	15.36	136.45	1537.36
5.66	14.35	143.78	1475.09
5.68	13.00	152.45	1385.96
5.70	11.01	162.11	1252.26
5.72	8.85	167.33	1106.96
5.74	6.53	170.55	947.01
5.76	4.96	173.66	845.66
5.78	3.88	176.55	777.29
5.80	3.07	177.77	718.07
5.82	2.42	176.32	666.18
5.84	1.88	160.87	622.83
5.86	1.66	140.09	602.69
5.88	1.55	113.09	584.37
5.90	1.49	94.08	573.99
5.92	1.40	83.41	559.34
5.94	1.23	76.19	539.19
5.96	1.12	65.30	520.88
5.98	0.94	58.29	494.02
6.00	0.83	55.29	472.65

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	0.71	47.18	445.18
6.04	0.66	40.51	426.86
6.06	0.59	37.29	409.77
6.08	0.48	36.07	393.89
6.10	0.45	30.95	382.91
6.12	0.53	25.73	379.24
6.14	0.63	24.51	379.24
6.16	0.69	24.63	379.24
6.18	0.83	22.96	381.68
6.20	0.99	21.74	386.57
6.22	1.10	22.08	387.18
6.24	1.16	21.97	385.35
6.26	1.18	22.97	378.63
6.28	1.21	28.75	373.14
6.30	1.22	29.20	373.14
6.32	1.19	29.98	367.03
6.34	1.23	32.09	360.32
6.36	1.30	34.65	360.32
6.38	1.38	38.77	362.15
6.40	1.48	38.33	363.37
6.42	1.50	39.00	359.10
6.44	1.45	39.55	349.94
6.46	1.32	39.89	337.12
6.48	1.22	39.89	324.30
6.50	1.19	41.79	316.36
6.52	1.14	46.57	309.65
6.54	1.13	46.90	307.81
6.56	1.38	29.72	280.34
6.58	1.50	34.39	285.84
6.60	1.63	38.17	292.55
6.62	1.73	41.17	296.83
6.64	1.76	46.07	294.99
6.66	1.69	55.29	292.55
6.68	1.67	62.18	288.89
6.70	1.81	67.18	293.16
6.72	1.85	69.95	290.72
6.74	1.98	73.62	293.16
6.76	1.91	80.18	285.23
6.78	1.75	85.29	279.12
6.80	1.79	86.51	279.73
6.82	2.32	94.07	300.49
6.84	3.50	93.74	334.07
6.86	4.51	89.62	362.76
6.88	5.13	84.74	376.80
6.90	5.52	71.96	387.79
6.92	5.78	54.74	397.56
6.94	5.85	43.18	400.61
6.96	5.73	45.51	396.95
6.98	5.02	56.07	376.80
7.00	4.13	63.51	352.99

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**Intergeo** s.p.a.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12\04\11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	3.54	74.29	338.95
7.04	3.09	93.29	326.13
7.06	2.80	114.17	321.25
7.08	2.68	128.06	325.52
7.10	2.62	124.06	329.18
7.12	2.57	111.73	327.35
7.14	2.64	112.28	329.79
7.16	3.04	115.61	351.16
7.18	4.22	123.50	392.06
7.20	5.21	106.17	415.26
7.22	5.80	95.17	434.19
7.24	7.37	93.05	490.35
7.26	9.59	111.05	567.89
7.28	10.65	101.27	611.84
7.30	10.97	81.38	630.77
7.32	10.98	61.38	640.54
7.34	11.19	59.04	659.46
7.36	11.32	62.93	677.78
7.38	11.25	64.04	688.77
7.40	10.61	67.70	679.00
7.42	9.79	75.14	658.24
7.44	9.86	89.59	681.44
7.46	11.25	104.58	774.85
7.48	12.33	127.03	831.01
7.50	13.77	133.80	917.09
7.52	14.55	132.36	984.86
7.54	15.08	118.46	1045.91
7.56	15.52	98.55	1133.21
7.58	15.65	98.55	1146.03
7.60	15.53	102.77	1153.36
7.62	15.54	94.00	1174.72
7.64	15.53	95.66	1201.59
7.66	15.48	101.00	1226.62
7.68	15.54	105.22	1259.58
7.70	15.41	111.66	1280.95
7.72	15.18	114.55	1293.16
7.74	15.41	113.21	1168.01
7.76	15.86	114.54	360.93
7.78	16.06	114.87	273.63
7.80	16.16	111.65	239.44
7.82	16.17	109.31	219.29
7.84	15.88	109.98	200.37
7.86	15.18	108.31	187.55
7.88	14.39	108.30	178.39
7.90	13.78	108.75	173.50
7.92	13.31	106.07	170.45
7.94	12.93	101.96	167.40
7.96	12.70	98.95	164.96
7.98	12.63	94.06	163.74
8.00	12.63	90.83	163.13

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	12.79	87.61	163.74
8.04	13.10	83.16	164.35
8.06	13.67	79.38	168.62
8.08	14.51	76.59	172.89
8.10	15.62	76.70	179.00
8.12	16.67	77.48	180.83
8.14	17.31	82.25	184.49
8.16	17.89	89.69	186.32
8.18	18.37	97.47	188.16
8.20	18.84	105.80	189.99
8.22	19.25	114.13	191.21
8.24	19.54	123.90	193.04
8.26	19.55	132.79	189.99
8.28	19.49	142.45	186.94
8.30	19.24	150.23	181.44
8.32	18.86	157.78	177.78
8.34	18.10	170.44	180.83
8.36	17.95	171.66	171.67
8.38	17.30	174.43	163.13
8.40	16.59	176.31	158.85
8.42	15.96	173.64	155.19
8.44	15.32	170.19	150.92
8.46	14.76	167.63	149.08
8.48	14.13	164.29	146.03
8.50	13.54	159.62	142.98
8.52	13.08	153.84	141.76
8.54	12.94	137.60	134.43
8.56	12.88	131.94	130.77
8.58	12.87	125.83	128.94
8.60	12.82	121.39	126.50
8.62	12.89	116.16	126.50
8.64	12.99	111.50	126.50
8.66	13.08	108.50	126.50
8.68	13.25	109.28	127.72
8.70	13.61	110.39	130.16
8.72	13.87	111.61	131.38
8.74	13.82	112.72	130.16
8.76	14.05	113.94	132.60
8.78	14.43	114.39	135.04
8.80	14.92	115.83	138.10
8.82	15.39	115.16	140.54
8.84	15.69	115.60	141.76
8.86	15.94	117.27	142.37
8.88	16.17	117.16	142.98
8.90	16.30	121.27	143.59
8.92	16.73	122.82	147.86
8.94	17.10	122.16	148.47
8.96	17.43	124.38	148.47
8.98	17.53	122.05	147.25
9.00	17.30	120.49	144.81

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	16.98	120.82	143.59
9.04	16.99	120.15	144.81
9.06	17.70	119.04	151.53
9.08	18.95	116.15	161.29
9.10	20.63	110.93	171.06
9.12	21.98	108.04	174.73
9.14	23.09	110.59	179.00
9.16	23.18	119.70	176.56
9.18	23.22	128.14	172.89
9.20	23.22	140.03	170.45
9.22	23.17	152.81	168.62
9.24	23.11	165.59	167.40
9.26	22.83	178.36	163.74
9.28	22.30	189.47	160.07
9.30	21.58	190.25	155.19
9.32	20.70	191.02	149.69
9.34	19.71	194.46	143.59
9.36	18.58	195.79	138.10
9.38	17.24	192.57	131.99
9.40	15.93	188.45	125.89
9.42	14.62	180.23	119.78
9.44	13.20	172.55	112.45
9.46	12.05	163.99	106.96
9.48	11.21	153.99	102.69
9.50	10.61	142.76	99.02
9.52	10.31	127.54	96.58
9.54	9.98	115.31	94.75
9.56	9.64	102.01	72.16
9.58	9.57	90.90	69.72
9.60	9.48	82.02	66.67
9.62	9.47	74.80	65.45
9.64	9.46	68.24	64.22
9.66	9.44	64.36	63.00
9.68	9.39	63.69	61.78
9.70	9.58	63.03	62.39
9.72	10.05	61.92	65.45
9.74	10.72	60.81	69.11
9.76	11.56	61.36	73.38
9.78	12.43	62.92	78.27
9.80	13.18	65.14	80.71
9.82	13.76	67.48	81.93
9.84	13.95	71.70	81.93
9.86	13.81	78.48	80.10
9.88	13.30	87.71	76.43
9.90	12.84	94.04	73.38
9.92	12.55	99.82	72.77
9.94	12.30	106.38	71.55
9.96	12.14	109.93	71.55
9.98	12.08	110.38	71.55
10.00	12.22	108.71	73.38

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	12.36	106.16	75.21
10.04	12.52	107.83	77.05
10.06	12.47	109.16	77.05
10.08	12.42	110.38	77.05
10.10	12.30	109.16	76.43
10.12	11.93	108.60	73.99
10.14	11.42	108.82	71.55
10.16	10.95	106.60	69.72
10.18	10.52	101.93	67.89
10.20	10.20	96.16	67.28
10.22	10.06	90.71	67.28
10.24	10.00	84.60	67.28
10.26	9.95	76.71	67.28
10.28	9.78	69.27	66.06
10.30	9.58	66.27	64.84
10.32	9.40	64.49	64.22
10.34	9.31	61.38	63.61
10.36	9.33	55.93	64.22
10.38	9.30	53.93	63.61
10.40	9.29	53.82	63.61
10.42	9.33	52.82	63.61
10.44	9.55	51.04	64.84
10.46	9.95	48.82	67.89
10.48	10.64	47.15	72.16
10.50	11.49	46.60	76.43
10.52	12.34	46.71	80.10
10.54	13.23	47.27	83.76
10.56	14.00	47.82	86.81
10.58	14.25	47.43	70.94
10.60	14.22	51.77	69.72
10.62	14.36	55.88	69.72
10.64	14.92	59.33	72.77
10.66	15.74	61.44	77.05
10.68	16.82	62.00	81.32
10.70	18.08	64.00	86.20
10.72	19.96	76.78	94.75
10.74	22.33	87.56	104.52
10.76	24.33	88.56	113.68
10.78	25.50	92.78	120.39
10.80	25.81	97.11	125.89
10.82	26.19	100.89	131.38
10.84	26.46	100.77	136.87
10.86	26.47	101.22	141.76
10.88	26.06	105.22	143.59
10.90	25.27	109.32	142.98
10.92	24.15	117.77	141.15
10.94	23.03	124.10	139.93
10.96	21.91	124.65	138.71
10.98	20.72	126.42	136.26
11.00	19.11	125.09	130.77

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	17.42	122.19	125.89
11.04	15.71	115.41	120.39
11.06	14.32	108.74	116.12
11.08	13.27	101.07	113.68
11.10	12.47	93.95	111.84
11.12	11.76	88.50	110.01
11.14	11.19	82.05	108.79
11.16	10.77	73.82	108.18
11.18	10.45	67.04	108.18
11.20	10.21	61.70	108.18
11.22	10.04	57.25	108.18
11.24	9.88	53.58	107.57
11.26	9.74	51.46	106.96
11.28	9.63	49.02	105.74
11.30	9.53	46.79	105.13
11.32	9.54	45.23	104.52
11.34	9.62	44.56	104.52
11.36	9.71	44.23	103.91
11.38	9.81	43.11	103.30
11.40	9.82	42.34	102.69
11.42	9.76	42.11	100.85
11.44	9.62	42.23	98.41
11.46	9.42	41.78	96.58
11.48	9.22	41.11	93.53
11.50	9.11	40.23	92.31
11.52	9.07	39.23	90.48
11.54	9.09	38.56	89.87
11.56	9.07	37.31	86.67
11.58	9.25	36.20	85.45
11.60	9.42	35.53	85.45
11.62	9.68	35.20	85.45
11.64	9.88	35.20	84.84
11.66	10.02	34.98	84.22
11.68	10.20	36.87	84.22
11.70	10.45	38.87	84.84
11.72	10.89	39.99	86.50
11.74	11.47	44.99	90.94
11.76	12.75	51.43	96.43
11.78	14.55	54.88	103.32
11.80	16.92	60.32	109.48
11.82	18.57	68.65	117.92
11.84	19.39	79.43	126.24
11.86	18.52	99.44	134.48
11.88	18.72	119.88	142.31
11.90	19.13	128.88	150.97
11.92	19.84	149.22	160.08
11.94	20.65	163.45	169.18
11.96	21.30	171.11	178.29
11.98	21.76	156.77	167.95
12.00	22.08	122.11	121.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	21.96	116.77	122.83
12.04	21.01	108.55	118.56
12.06	18.52	101.55	106.96
12.08	14.63	106.77	91.70
12.10	10.90	119.55	78.27
12.12	8.49	172.88	70.33
12.14	9.75	235.54	104.52
12.16	12.98	335.75	199.15
12.18	18.17	270.20	232.72
12.20	19.71	227.31	247.37
12.22	19.44	187.64	244.93
12.24	18.61	156.08	237.00
12.26	17.55	134.85	229.67
12.28	16.78	118.85	226.01
12.30	16.30	92.62	224.79
12.32	16.13	77.17	228.45
12.34	16.05	68.73	232.72
12.36	15.64	71.39	230.28
12.38	15.18	71.94	228.45
12.40	14.99	71.82	230.89
12.42	14.81	73.15	232.11
12.44	14.73	75.82	235.16
12.46	14.87	74.93	241.27
12.48	15.10	75.37	246.76
12.50	15.40	74.81	252.87
12.52	15.58	76.58	257.75
12.54	15.76	80.36	262.03
12.56	15.95	83.82	205.25
12.58	16.22	85.82	206.47
12.60	16.41	89.82	207.69
12.62	16.71	94.71	210.74
12.64	17.01	98.38	215.02
12.66	17.23	97.05	217.46
12.68	17.59	97.05	225.40
12.70	17.89	97.05	230.89
12.72	17.90	98.28	232.72
12.74	17.74	98.28	232.72
12.76	17.54	96.94	234.55
12.78	17.25	98.61	233.33
12.80	16.77	98.05	231.50
12.82	16.18	96.49	228.45
12.84	15.57	95.60	224.79
12.86	15.00	96.71	222.34
12.88	14.16	98.05	216.85
12.90	13.17	96.49	209.52
12.92	12.17	95.71	202.20
12.94	11.28	93.82	195.48
12.96	10.48	93.15	188.77
12.98	9.78	91.59	183.27
13.00	9.11	86.37	177.78



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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	8.40	80.92	171.67
13.04	7.82	76.25	166.18
13.06	7.35	71.25	161.29
13.08	7.02	64.92	158.24
13.10	6.99	58.47	157.02
13.12	7.14	52.58	157.02
13.14	7.57	48.91	161.29
13.16	8.41	45.36	166.79
13.18	9.56	43.69	174.11
13.20	10.75	43.69	180.83
13.22	11.54	46.80	184.49
13.24	11.71	51.91	182.66
13.26	11.92	56.91	183.27
13.28	12.60	62.14	188.77
13.30	13.48	67.91	194.87
13.32	14.12	74.03	198.53
13.34	14.11	79.92	195.48
13.36	13.31	86.59	186.94
13.38	12.45	88.14	179.00
13.40	11.74	90.81	172.89
13.42	11.12	95.48	168.01
13.44	10.76	100.03	164.96
13.46	10.73	103.26	164.96
13.48	11.08	102.59	169.23
13.50	11.88	97.93	177.17
13.52	13.25	92.26	189.38
13.54	14.65	88.26	200.98
13.56	15.18	82.74	154.58
13.58	15.93	79.86	156.41
13.60	15.96	83.53	155.19
13.62	15.52	87.09	149.69
13.64	14.90	95.20	145.42
13.66	14.51	103.31	144.20
13.68	14.39	111.53	144.81
13.70	14.65	115.87	148.47
13.72	14.77	118.31	150.92
13.74	14.38	115.87	148.47
13.76	13.60	110.64	144.81
13.78	12.45	108.42	138.71
13.80	11.09	109.42	132.60
13.82	9.95	107.97	127.11
13.84	9.06	106.42	122.22
13.86	8.26	102.53	117.95
13.88	7.67	95.86	114.90
13.90	7.24	89.08	113.06
13.92	6.95	79.97	111.23
13.94	6.78	69.85	110.01
13.96	6.71	61.18	109.40
13.98	6.67	53.29	108.79
14.00	6.71	47.96	108.18

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	6.80	43.74	108.18
14.04	6.95	40.96	108.79
14.06	7.11	38.51	109.40
14.08	7.27	37.29	109.40
14.10	7.37	37.96	108.79
14.12	7.44	37.84	106.96
14.14	7.42	38.18	105.13
14.16	7.57	38.84	105.74
14.18	7.91	39.51	108.18
14.20	8.34	39.74	110.01
14.22	8.60	39.74	110.01
14.24	8.71	40.52	109.40
14.26	9.02	41.74	111.23
14.28	9.54	43.19	113.68
14.30	10.25	45.41	117.34
14.32	11.12	47.97	121.61
14.34	12.36	51.41	128.33
14.36	14.19	57.53	139.32
14.38	16.07	56.31	150.31
14.40	17.41	53.86	159.46
14.42	18.41	56.87	166.79
14.44	19.25	63.98	174.73
14.46	20.03	71.42	182.05
14.48	20.80	79.20	191.21
14.50	21.37	85.99	199.15
14.52	21.70	91.65	207.08
14.54	21.37	94.32	207.08
14.56	20.08	92.22	186.32
14.58	19.73	92.23	181.44
14.60	18.57	93.34	171.06
14.62	16.83	93.34	159.46
14.64	14.59	92.12	146.64
14.66	12.08	92.67	133.21
14.68	9.69	90.12	120.39
14.70	7.27	89.23	108.79
14.72	5.21	93.78	98.41
14.74	3.66	102.45	89.87
14.76	2.54	112.11	84.37
14.78	1.96	122.66	79.49
14.80	1.43	139.88	75.82
14.82	1.22	131.55	91.70
14.84	1.66	114.88	101.47
14.86	2.68	90.43	117.95
14.88	5.03	65.65	130.16
14.90	7.03	51.76	139.32
14.92	7.76	61.53	139.32
14.94	8.24	62.75	138.71
14.96	8.55	69.75	137.48
14.98	8.68	70.53	135.04
15.00	8.76	57.09	132.60

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	8.77	40.97	130.77
15.04	8.90	32.97	128.94
15.06	9.08	33.86	127.72
15.08	9.31	39.86	128.33
15.10	9.54	43.75	129.55
15.12	9.84	46.09	131.38
15.14	10.11	48.64	132.60
15.16	10.21	50.54	130.16
15.18	10.14	52.21	128.94
15.20	10.09	53.99	127.72
15.22	10.36	56.10	130.77
15.24	11.09	57.10	136.87
15.26	11.96	54.88	144.20
15.28	13.08	55.32	151.53
15.30	14.30	57.66	159.46
15.32	14.73	57.77	162.52
15.34	14.57	59.66	160.68
15.36	14.44	64.44	160.07
15.38	14.65	69.44	163.74
15.40	14.90	73.77	168.62
15.42	15.21	79.11	173.50
15.44	15.51	84.67	177.78
15.46	15.87	90.33	182.05
15.48	16.42	96.33	189.99
15.50	17.20	98.33	199.15
15.52	18.12	101.11	210.74
15.54	18.38	98.68	188.16
15.56	19.02	103.23	192.43
15.58	19.24	108.24	193.04
15.60	19.38	116.79	197.31
15.62	19.44	124.13	197.92
15.64	19.43	131.46	202.20
15.66	19.16	140.13	204.64
15.68	19.18	148.68	209.52
15.70	19.50	151.13	218.68
15.72	19.86	150.01	230.28
15.74	20.15	146.56	240.05
15.76	20.23	144.23	247.99
15.78	19.94	141.34	251.04
15.80	19.69	138.33	256.53
15.82	19.45	138.66	260.81
15.84	19.21	138.55	266.91
15.86	19.10	139.54	275.46
15.88	19.13	140.99	285.84
15.90	19.20	140.65	294.99
15.92	19.11	138.64	302.93
15.94	19.11	137.64	311.48
15.96	19.32	137.30	323.08
15.98	19.41	137.40	332.84
16.00	19.22	137.62	338.34

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	18.84	139.28	340.17
16.04	18.41	139.95	343.83
16.06	18.19	140.71	349.33
16.08	17.89	142.93	353.60
16.10	17.72	142.15	358.49
16.12	17.52	142.37	362.76
16.14	17.40	141.14	368.25
16.16	17.58	138.92	376.80
16.18	18.05	134.58	390.23
16.20	18.62	129.91	406.72
16.22	18.81	128.35	417.70
16.24	18.73	127.68	423.81
16.26	18.62	127.01	428.69
16.28	18.35	128.78	430.52
16.30	18.26	130.67	436.63
16.32	18.16	131.11	441.51
16.34	17.65	133.77	435.41
16.36	16.85	136.10	423.20
16.38	16.10	136.21	410.38
16.40	15.59	135.65	404.88
16.42	15.61	132.31	411.60
16.44	15.92	128.76	423.20
16.46	16.31	124.42	433.58
16.48	16.44	119.53	439.07
16.50	16.20	112.20	437.24
16.52	15.45	114.68	270.57
16.54	15.69	105.01	265.08
16.56	15.45	104.68	257.75
16.58	15.34	108.02	254.09
16.60	15.19	112.80	251.04
16.62	15.28	116.14	252.26
16.64	15.68	116.80	257.75
16.66	16.42	116.36	269.96
16.68	17.59	116.03	287.06
16.70	18.86	116.47	307.20
16.72	20.50	114.25	334.07
16.74	22.48	114.69	367.03
16.76	24.22	116.69	400.61
16.78	25.08	124.36	415.87
16.80	25.74	129.91	431.75
16.82	26.22	143.36	448.23
16.84	27.21	155.69	477.53
16.86	28.18	169.58	509.89
16.88	29.32	177.58	552.01
16.90	29.58	181.58	577.66
16.92	29.46	182.36	597.19
16.94	29.14	186.47	610.62
16.96	28.74	189.57	622.22
16.98	28.62	192.79	641.15
17.00	28.48	190.24	659.46

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	28.10	187.34	668.01
17.04	27.28	189.78	665.57
17.06	26.09	190.00	649.69
17.08	24.33	187.33	612.45
17.10	22.20	182.32	560.56
17.12	19.93	175.43	504.40
17.14	17.91	169.09	455.56
17.16	16.08	162.42	412.82
17.18	14.08	146.42	367.03
17.20	11.94	134.97	323.69
17.22	10.19	128.30	288.28
17.24	9.14	125.07	266.91
17.26	8.65	126.40	257.75
17.28	8.46	135.07	253.48
17.30	8.57	146.40	251.65
17.32	8.44	144.62	240.66
17.34	8.25	132.84	228.45
17.36	7.39	129.51	212.58
17.38	5.95	132.84	191.21
17.40	4.53	128.62	171.06
17.42	3.22	117.51	156.41
17.44	2.86	101.73	155.19
17.46	2.74	98.62	156.41
17.48	2.64	110.40	169.23
17.50	2.64	101.18	189.38
17.52	2.62	99.07	205.25
17.54	2.56	90.84	215.63
17.56	3.25	85.39	131.38
17.58	2.76	104.50	122.22
17.60	2.47	122.73	119.17
17.62	2.30	130.62	116.73
17.64	2.31	112.51	124.05
17.66	3.42	105.07	147.86
17.68	7.33	107.18	188.77
17.70	10.61	112.30	222.34
17.72	12.95	118.30	240.66
17.74	14.46	108.41	247.37
17.76	15.12	83.63	252.87
17.78	15.41	63.19	257.75
17.80	15.42	57.53	262.64
17.82	15.15	54.53	253.48
17.84	14.47	70.53	243.10
17.86	13.28	68.65	229.67
17.88	12.00	75.87	218.07
17.90	11.10	74.65	210.13
17.92	10.53	77.32	204.64
17.94	10.25	77.55	202.20
17.96	10.05	74.88	200.37
17.98	9.90	61.45	198.53
18.00	9.82	54.89	197.92

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	9.84	51.11	197.92
18.04	9.96	49.23	198.53
18.06	10.12	49.23	200.37
18.08	10.24	48.34	199.76
18.10	10.28	47.23	199.76
18.12	10.33	46.90	199.15
18.14	10.44	46.90	200.98
18.16	10.39	47.12	200.37
18.18	10.33	47.23	199.15
18.20	10.32	47.90	198.53
18.22	10.38	49.34	200.98
18.24	10.49	49.56	204.03
18.26	10.51	49.01	203.42
18.28	10.51	48.34	204.64
18.30	10.48	48.01	205.25
18.32	10.54	47.45	207.08
18.34	10.57	47.35	208.91
18.36	10.75	48.01	211.97
18.38	11.08	49.01	218.68
18.40	11.57	49.13	226.62
18.42	12.44	49.68	238.22
18.44	13.40	50.79	252.26
18.46	13.89	50.79	258.97
18.48	13.56	51.68	256.53
18.50	12.81	53.35	247.99
18.52	11.66	57.90	235.78
18.54	10.55	60.01	226.62
18.56	8.90	65.14	172.28
18.58	8.27	66.48	164.96
18.60	7.83	65.59	160.68
18.62	7.67	63.70	158.24
18.64	7.63	60.03	158.24
18.66	7.96	57.04	162.52
18.68	8.61	54.15	169.84
18.70	9.43	51.37	177.78
18.72	10.53	48.48	187.55
18.74	11.88	48.04	200.37
18.76	13.60	49.92	218.68
18.78	15.37	52.92	238.83
18.80	16.25	59.37	251.04
18.82	16.19	69.03	250.43
18.84	15.67	78.59	247.37
18.86	15.00	90.81	243.71
18.88	14.25	100.47	238.83
18.90	13.38	110.59	234.55
18.92	12.48	115.59	229.06
18.94	11.55	114.25	221.12
18.96	10.61	106.80	216.24
18.98	10.13	97.80	213.80
19.00	9.90	87.03	213.80

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	9.99	76.36	219.90
19.04	10.40	66.58	227.84
19.06	11.01	59.35	235.16
19.08	11.62	53.35	243.71
19.10	12.04	49.57	251.65
19.12	11.99	49.24	251.65
19.14	12.01	49.79	254.09
19.16	12.60	53.45	263.86
19.18	13.20	57.79	274.85
19.20	12.97	54.56	271.18
19.22	12.43	55.12	266.91
19.24	12.14	57.12	265.08
19.26	11.87	59.34	265.08
19.28	11.73	60.56	265.69
19.30	11.74	62.11	269.96
19.32	11.97	64.11	276.07
19.34	12.34	65.78	284.00
19.36	12.94	67.33	291.33
19.38	13.60	68.33	304.76
19.40	14.44	67.77	319.41
19.42	15.30	66.33	337.12
19.44	15.79	67.33	348.72
19.46	15.59	64.66	346.28
19.48	14.68	62.55	335.90
19.50	13.12	59.10	315.75
19.52	11.61	57.66	296.21
19.54	9.93	56.67	218.07
19.56	9.54	54.01	208.30
19.58	9.15	53.01	202.20
19.60	8.90	51.57	198.53
19.62	8.69	50.34	196.09
19.64	8.62	48.57	195.48
19.66	8.70	44.79	196.09
19.68	9.16	44.68	201.59
19.70	9.89	43.13	208.91
19.72	10.80	42.90	220.51
19.74	11.52	44.24	227.84
19.76	12.22	45.01	235.78
19.78	12.85	46.13	244.32
19.80	13.32	47.90	251.04
19.82	13.85	50.24	260.20
19.84	14.45	53.24	269.35
19.86	15.11	56.68	279.73
19.88	15.84	60.79	292.55
19.90	16.55	64.68	305.98
19.92	17.50	68.24	327.35
19.94	18.56	71.13	350.55
19.96	19.56	73.12	376.80
19.98	20.54	74.90	403.05
20.00	21.44	76.12	432.97

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	22.01	78.23	458.00
20.04	22.24	87.24	476.92
20.06	22.28	95.35	497.07
20.08	22.13	101.23	512.33
20.10	21.83	102.68	526.37
20.12	21.79	105.45	546.52
20.14	22.20	105.11	580.10
20.16	22.58	104.45	617.34
20.18	22.76	103.56	647.86
20.20	22.60	103.66	673.50
20.22	22.08	102.66	685.10
20.24	21.65	103.88	700.37
20.26	21.59	105.65	725.40
20.28	21.60	104.99	756.53
20.30	21.75	104.20	788.89
20.32	21.53	102.31	809.65
20.34	21.15	98.86	822.47
20.36	20.42	96.41	820.02
20.38	19.59	91.85	805.98
20.40	18.59	87.96	787.06
20.42	16.43	96.95	701.59
20.44	14.57	101.95	645.42
20.46	12.93	98.72	596.58
20.48	11.75	94.71	564.22
20.50	10.90	91.04	542.25
20.52	10.31	90.37	526.98
20.54	9.66	87.48	310.87
20.56	9.54	69.37	301.71
20.58	9.31	61.38	293.16
20.60	9.22	53.93	288.28
20.62	9.12	48.38	283.39
20.64	9.08	44.16	279.73
20.66	9.10	41.16	276.68
20.68	9.10	39.28	274.24
20.70	9.11	38.16	269.35
20.72	9.07	38.06	266.91
20.74	9.15	38.06	263.25
20.76	9.07	37.50	259.58
20.78	9.02	38.06	255.31
20.80	8.87	37.50	251.04
20.82	8.83	37.61	246.15
20.84	8.79	38.06	243.10
20.86	8.71	37.62	238.83
20.88	8.72	38.07	235.78
20.90	8.66	37.96	231.50
20.92	8.76	37.96	230.28
20.94	8.90	37.63	229.67
20.96	9.19	37.96	232.11
20.98	9.66	38.19	235.78
21.00	10.25	38.52	241.27

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	10.81	38.52	246.15
21.04	11.43	39.19	253.48
21.06	12.20	40.53	262.64
21.08	12.90	41.97	271.18
21.10	13.39	43.53	276.68
21.12	13.37	44.42	273.02
21.14	12.43	46.09	261.42
21.16	11.45	46.54	248.60
21.18	10.84	47.43	240.05
21.20	10.35	48.65	233.94
21.22	9.97	50.10	229.67
21.24	9.72	50.32	225.40
21.26	9.50	49.66	222.34
21.28	9.48	48.10	222.34
21.30	9.51	45.99	222.34
21.32	9.57	44.10	221.12
21.34	9.57	42.55	219.90
21.36	9.51	40.66	219.29
21.38	9.57	39.33	218.68
21.40	9.55	38.77	217.46
21.42	9.61	39.22	216.24
21.44	9.63	39.33	215.63
21.46	9.61	39.77	213.19
21.48	9.63	39.88	212.58
21.50	9.66	40.33	211.36
21.52	9.79	40.44	210.74
21.54	10.02	41.37	154.58
21.56	10.33	41.04	157.02
21.58	10.61	41.38	157.63
21.60	10.82	42.37	158.24
21.62	11.33	43.16	163.74
21.64	12.02	43.71	171.67
21.66	12.90	44.94	180.22
21.68	13.82	45.60	189.99
21.70	14.63	47.83	199.76
21.72	14.94	48.61	202.81
21.74	14.80	50.60	202.81
21.76	14.05	52.94	197.31
21.78	12.93	56.49	189.38
21.80	11.79	57.71	182.05
21.82	11.02	59.16	177.17
21.84	10.49	60.27	175.34
21.86	10.12	60.38	174.11
21.88	9.86	59.05	173.50
21.90	9.73	57.27	173.50
21.92	9.62	54.49	174.73
21.94	9.55	51.82	176.56
21.96	9.52	49.93	177.17
21.98	9.43	48.37	177.78
22.00	9.53	47.15	179.61

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	9.51	45.59	181.44
22.04	9.50	44.37	180.22
22.06	9.52	43.26	180.83
22.08	9.64	43.26	183.27
22.10	9.88	43.26	187.55
22.12	10.18	43.26	190.60
22.14	10.45	43.59	191.21
22.16	10.81	43.70	196.70
22.18	11.13	44.03	199.76
22.20	11.60	45.25	204.03
22.22	11.97	45.91	209.52
22.24	12.64	46.47	217.46
22.26	13.56	47.25	230.28
22.28	14.86	49.58	246.15
22.30	16.34	51.58	266.30
22.32	17.83	53.58	290.72
22.34	18.89	56.91	310.87
22.36	19.55	60.80	325.52
22.38	19.51	65.36	332.84
22.40	19.16	70.69	334.07
22.42	18.54	74.69	332.23
22.44	17.86	77.02	331.01
22.46	17.11	78.80	327.35
22.48	16.25	82.80	321.86
22.50	15.02	87.13	309.65
22.52	13.66	89.91	296.21
22.54	12.37	88.90	234.55
22.56	11.40	85.46	221.73
22.58	10.67	82.79	213.19
22.60	10.17	80.91	207.69
22.62	9.72	76.68	202.20
22.64	9.56	71.02	199.76
22.66	9.48	65.80	200.37
22.68	9.39	60.79	197.92
22.70	9.33	56.46	197.92
22.72	9.17	52.79	195.48
22.74	9.05	49.90	193.65
22.76	8.99	47.35	192.43
22.78	8.98	45.68	191.21
22.80	8.84	44.01	189.99
22.82	8.79	43.68	189.38
22.84	8.82	43.12	188.16
22.86	8.75	43.01	185.71
22.88	8.70	43.23	184.49
22.90	8.72	43.23	184.49
22.92	8.66	43.12	183.27
22.94	8.68	42.90	182.66
22.96	8.77	43.01	181.44
22.98	8.77	41.90	180.22
23.00	8.84	41.56	179.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	8.82	41.12	178.39
23.04	8.80	41.01	176.56
23.06	8.81	40.68	177.17
23.08	8.84	40.35	176.56
23.10	8.85	39.79	174.73
23.12	8.82	40.13	173.50
23.14	8.87	40.46	172.89
23.16	8.87	40.46	171.67
23.18	8.91	41.01	171.67
23.20	8.98	41.02	171.67
23.22	8.99	41.24	170.45
23.24	8.96	41.02	169.23
23.26	8.91	41.13	167.40
23.28	8.93	41.24	168.01
23.30	8.94	41.13	168.01
23.32	9.09	41.24	168.01
23.34	9.29	41.24	172.89
23.36	9.46	41.13	174.11
23.38	9.67	41.91	175.95
23.40	9.80	41.91	177.17
23.42	9.97	42.03	178.39
23.44	10.11	41.81	177.78
23.46	10.29	42.92	182.05
23.48	10.52	43.47	184.49
23.50	10.91	44.47	188.16
23.52	11.36	50.62	158.24
23.54	12.82	46.28	169.84
23.56	13.69	55.84	176.56
23.58	14.28	52.73	181.44
23.60	14.26	55.40	179.61
23.62	13.23	60.62	169.84
23.64	11.45	69.84	158.24
23.66	10.34	70.73	150.31
23.68	9.18	74.18	145.42
23.70	8.07	78.29	138.10
23.72	7.18	83.73	131.99
23.74	6.21	91.62	127.11
23.76	5.65	86.73	123.44
23.78	4.86	90.17	119.17
23.80	4.70	94.51	117.34
23.82	4.88	100.62	125.89
23.84	6.16	128.83	138.71
23.86	7.93	141.83	148.47
23.88	9.28	110.50	156.41
23.90	9.22	104.61	152.75
23.92	8.18	101.94	142.98
23.94	6.98	108.71	133.82
23.96	5.82	98.93	120.39
23.98	4.73	66.93	108.79
24.00	3.64	56.37	99.63

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	2.39	88.93	94.75
24.04	2.01	112.81	98.41
24.06	1.56	130.26	99.02
24.08	1.34	123.82	102.69
24.10	1.35	112.26	114.29
24.12	1.66	102.82	130.77
24.14	1.85	75.92	156.41
24.16	1.74	60.04	158.85
24.18	1.71	53.04	150.31
24.20	1.54	60.59	144.81
24.22	1.53	65.26	150.92
24.24	1.71	65.59	152.75
24.26	1.86	69.59	153.97
24.28	1.77	72.59	150.92
24.30	1.85	68.81	150.31
24.32	2.32	62.26	160.07
24.34	2.89	57.81	163.74
24.36	3.23	67.71	160.68
24.38	3.43	88.59	157.63
24.40	3.51	109.49	152.75
24.42	3.43	125.37	147.86
24.44	3.34	142.37	142.98
24.46	3.09	161.04	137.48
24.48	2.97	174.49	133.82
24.50	3.13	131.98	340.17
24.52	3.19	140.31	326.74
24.54	3.28	142.65	321.86
24.56	3.78	149.76	337.73
24.58	5.12	151.54	367.03
24.60	6.75	157.43	386.57
24.62	7.77	157.98	385.35
24.64	8.33	141.87	384.74
24.66	8.59	120.98	386.57
24.68	8.76	116.65	390.23
24.70	8.83	111.20	393.89
24.72	8.80	107.31	396.34
24.74	8.88	102.53	402.44
24.76	9.00	100.31	409.16
24.78	9.03	97.64	414.04
24.80	9.08	89.97	420.15
24.82	9.15	81.97	426.25
24.84	9.17	79.53	432.97
24.86	9.13	80.97	438.46
24.88	9.22	82.19	447.01
24.90	9.21	81.52	453.11
24.92	8.81	81.86	449.45
24.94	7.66	83.41	425.03
24.96	6.17	87.74	389.62
24.98	5.33	111.85	373.14
25.00	5.07	131.07	372.53

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Proforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	5.18	153.96	378.63
25.04	5.41	163.85	385.96
25.06	6.11	159.07	403.05
25.08	7.54	141.95	439.68
25.10	8.41	122.07	451.28
25.12	8.45	99.40	440.29
25.14	7.57	69.51	418.31
25.16	6.53	60.95	395.12
25.18	5.94	72.62	385.96
25.20	6.56	87.73	406.72
25.22	7.71	104.06	438.46
25.24	8.44	114.50	451.89
25.26	8.53	111.28	449.45
25.28	8.10	89.73	437.85
25.30	7.51	73.50	425.64
25.32	6.79	63.39	408.55
25.34	6.03	60.17	390.84
25.36	5.13	61.94	371.31
25.38	4.38	71.05	354.21
25.40	3.95	83.05	346.28
25.42	3.60	92.05	339.56
25.44	3.24	90.83	332.23
25.46	2.80	83.94	327.96
25.48	2.33	69.63	431.14
25.50	1.96	68.63	412.82
25.52	1.59	61.08	407.33
25.54	1.47	51.53	468.99
25.56	1.43	42.97	508.06
25.58	1.30	36.86	522.71
25.60	1.17	29.20	579.49
25.62	1.17	23.64	668.01
25.64	1.24	19.98	700.37
25.66	1.33	17.31	730.89
25.68	1.47	17.98	757.14
25.70	1.59	19.31	757.14
25.72	1.46	22.09	728.45
25.74	1.31	22.76	725.40
25.76	1.30	21.54	766.30
25.78	1.30	20.32	794.38
25.80	1.30	20.43	810.87
25.82	1.30	21.66	817.58
25.84	1.30	22.44	829.18
25.86	1.30	21.77	838.34
25.88	1.27	21.00	840.78
25.90	1.23	21.11	838.34
25.92	1.18	21.56	843.83
25.94	1.19	20.56	859.71
25.96	1.24	19.34	871.31
25.98	1.26	19.23	881.07
26.00	1.32	19.57	898.78

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	1.42	19.24	909.77
26.04	1.50	19.35	920.76
26.06	1.95	21.13	984.86
26.08	3.55	23.47	1169.84
26.10	4.85	33.13	1367.64
26.12	5.25	62.25	1570.94
26.14	5.27	103.47	1464.71
26.16	4.85	159.58	1386.57
26.18	4.24	210.92	1224.17
26.20	3.78	269.58	1050.79
26.22	3.23	326.36	884.13
26.24	2.71	372.70	804.15
26.26	2.48	383.03	776.07
26.28	2.26	356.14	749.21
26.30	2.07	324.47	746.15
26.32	2.00	282.47	762.03
26.34	1.90	231.58	762.03
26.36	1.69	189.24	760.81
26.38	1.57	163.24	754.70
26.40	1.52	149.90	752.87
26.42	1.44	142.00	749.82
26.44	1.43	137.44	747.98
26.46	1.37	128.00	744.93
26.48	1.25	121.22	735.77
26.50	1.43	97.56	780.95
26.52	1.49	93.90	795.60
26.54	1.52	87.45	796.21
26.56	1.54	76.90	793.16
26.58	1.54	60.68	788.28
26.60	1.57	44.23	786.45
26.62	1.67	37.12	788.89
26.64	1.78	35.12	781.56
26.66	1.82	39.68	769.96
26.68	1.90	43.68	764.47
26.70	2.07	45.01	774.24
26.72	2.25	47.01	774.85
26.74	2.37	53.01	755.92
26.76	2.58	58.46	755.31
26.78	2.82	64.46	755.92
26.80	3.23	70.57	765.08
26.82	3.78	73.79	777.90
26.84	4.29	71.24	785.23
26.86	4.64	67.57	782.17
26.88	4.77	61.91	766.30
26.90	4.78	54.91	747.98
26.92	4.65	48.80	730.28
26.94	4.25	50.25	702.20
26.96	3.76	62.14	666.18
26.98	3.25	69.03	626.50
27.00	2.73	76.14	590.48

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	2.33	83.81	565.45
27.04	1.93	84.48	541.03
27.06	1.66	80.14	533.70
27.08	1.54	74.59	548.35
27.10	1.53	68.93	580.71
27.12	1.53	62.26	604.52
27.14	1.57	58.26	621.61
27.16	1.65	52.82	639.32
27.18	1.78	46.71	655.19
27.20	2.01	44.82	679.61
27.22	2.40	45.82	701.59
27.24	2.65	50.93	686.32
27.26	2.96	56.15	693.04
27.28	3.73	63.82	727.84
27.30	4.96	74.04	779.12
27.32	5.97	77.04	810.26
27.34	6.28	63.93	811.48
27.36	6.45	53.82	812.09
27.38	6.73	57.93	824.30
27.40	7.07	68.49	843.22
27.42	7.21	76.71	848.72
27.44	7.48	85.49	861.54
27.46	7.87	99.71	880.46
27.48	9.03	122.72	788.28
27.50	8.86	132.84	762.03
27.52	8.46	126.17	731.50
27.54	8.13	107.73	715.63
27.56	8.09	106.51	719.90
27.58	8.50	115.62	749.82
27.60	9.09	128.72	790.11
27.62	10.01	146.84	851.77
27.64	10.61	154.50	892.06
27.66	10.85	161.83	907.94
27.68	11.01	149.83	928.69
27.70	10.91	141.94	939.68
27.72	11.10	137.82	969.60
27.74	11.39	136.93	1007.45
27.76	11.64	138.04	1042.25
27.78	11.60	141.26	1055.07
27.80	11.44	144.59	1062.39
27.82	10.94	153.47	1054.46
27.84	10.70	153.58	1063.00
27.86	10.73	151.57	1092.31
27.88	11.14	148.57	1142.98
27.90	11.60	149.79	1197.92
27.92	11.89	154.01	1241.27
27.94	11.93	157.34	1268.74
27.96	11.90	151.22	1291.33
27.98	11.92	144.55	1314.53
28.00	11.75	143.66	1324.91

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D. B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12\04\11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **1**

Cert. N. **425/2011**

Emesso il **12/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	11.58	143.76	1335.29
28.04	11.48	145.76	1349.94
28.06	11.59	141.42	1378.63
28.08	11.59	139.42	1398.78
28.10	11.59	138.30	1417.09
28.12	11.31	138.41	1412.21
28.14	10.70	133.96	1377.41
28.16	9.44	140.51	1284.00
28.18	8.36	149.95	1203.42
28.20	8.56	165.06	1232.72
28.22	10.00	178.06	1363.37
28.24	10.92	182.50	1443.34
28.26	11.14	170.94	1452.50
28.28	11.10	163.16	1447.01
28.30	10.58	144.49	1402.44
28.32	9.41	122.26	1309.64
28.34	7.40	114.70	1143.59
28.36	5.70	127.03	1007.45
28.38	4.74	137.03	932.97
28.40	4.21	173.80	897.56
28.42	4.27	205.91	902.44
28.44	6.78	232.46	1106.96
28.46	11.40	213.57	1497.07
28.48	12.41	151.59	1116.12
28.50	12.51	122.37	1112.45
28.52	12.06	112.26	1081.32
28.54	11.43	116.70	1044.08
28.56	10.75	127.92	1007.45
28.58	10.23	139.82	984.25
28.60	10.06	138.59	985.47
28.62	10.08	139.48	999.51
28.64	10.05	139.26	1011.11
28.66	9.75	138.26	1004.39
28.68	9.37	131.04	989.13
28.70	9.10	118.15	980.59
28.72	8.93	111.37	977.53
28.74	8.71	110.37	971.43
28.76	8.39	112.15	956.17
28.78	7.96	111.81	933.58
28.80	7.32	117.48	892.67
28.82	6.58	128.81	845.66
28.84	6.92	145.92	867.64
28.86	8.99	164.81	1015.38
28.88	11.56	162.92	1193.04
28.90	12.48	151.47	1252.87
28.92	12.39	130.24	1249.82
28.94	12.23	116.69	1247.37
28.96	12.13	114.13	1251.04
28.98	12.13	119.13	1263.25
29.00	11.75	130.24	1251.65

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	10.62	140.79	1176.56
29.04	8.15	153.02	996.46
29.06	5.67	179.35	815.14
29.08	4.40	205.01	727.84
29.10	4.03	228.01	696.09
29.12	3.35	245.79	655.80
29.14	3.17	221.46	660.68
29.16	2.98	193.90	656.41
29.18	2.92	160.90	650.30
29.20	2.70	139.01	630.16
29.22	2.46	120.23	610.62
29.24	2.26	96.56	606.96
29.26	2.08	76.23	605.13
29.28	1.97	75.34	611.23
29.30	1.92	69.23	618.56
29.32	1.87	60.67	619.17
29.34	1.79	56.45	608.18
29.36	1.69	52.34	595.97
29.38	1.65	48.56	600.24
29.40	1.62	44.89	602.08
29.42	1.60	40.11	609.40
29.44	1.60	36.45	611.23
29.46	1.60	34.90	606.35
29.48	1.69	30.09	720.51
29.50	1.64	32.53	716.24
29.52	1.58	31.31	715.02
29.54	1.55	31.98	716.85
29.56	1.58	31.65	744.93
29.58	1.63	31.43	741.88
29.60	1.68	32.10	739.44
29.62	1.77	32.43	749.82
29.64	1.96	32.11	768.74
29.66	2.26	33.22	790.11
29.68	2.76	37.44	809.65
29.70	3.32	42.67	808.42
29.72	3.76	46.55	776.07
29.74	3.94	46.89	734.55
29.76	4.00	42.45	700.98
29.78	4.01	43.67	657.63
29.80	3.80	46.23	613.06
29.82	3.38	44.12	577.04
29.84	2.91	42.46	545.30
29.86	2.48	45.68	522.10
29.88	2.25	49.24	530.04
29.90	2.56	48.02	610.62
29.92	3.32	45.58	702.20
29.94	4.14	55.47	730.89
29.96	4.71	75.25	679.61
29.98	4.94	100.36	642.98
30.00	5.25	101.70	633.82

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	5.67	112.36	640.54
30.04	6.13	125.81	647.86
30.06	6.58	135.03	660.68
30.08	7.05	143.36	672.89
30.10	7.68	151.81	697.92
30.12	8.47	154.48	731.50
30.14	9.10	150.70	761.42
30.16	9.56	147.92	786.45
30.18	9.60	155.25	788.28
30.20	9.38	172.70	779.73
30.22	9.12	193.70	766.30
30.24	8.72	218.58	746.76
30.26	8.77	240.36	745.54
30.28	8.84	266.69	754.09
30.30	8.68	295.02	748.60
30.32	8.08	319.57	717.46
30.34	7.25	322.79	674.11
30.36	6.58	325.12	642.98
30.38	5.99	326.67	617.95
30.40	5.38	326.89	592.92
30.42	4.72	320.66	565.45
30.44	4.23	301.10	556.90
30.46	3.91	276.32	563.00
30.48	3.67	188.92	870.08
30.50	3.64	194.03	810.87
30.52	3.15	195.26	767.52
30.54	2.89	181.92	744.93
30.56	2.66	170.92	740.05
30.58	2.57	153.15	809.65
30.60	2.79	134.70	868.25
30.62	2.92	126.59	908.55
30.64	2.88	110.37	884.13
30.66	2.71	100.59	849.33
30.68	2.62	96.26	848.72
30.70	2.56	94.81	873.75
30.72	2.77	89.26	888.40
30.74	2.79	94.48	883.52
30.76	2.89	92.03	884.13
30.78	2.76	96.59	846.28
30.80	2.70	100.03	859.10
30.82	2.61	96.81	855.43
30.84	2.55	93.37	847.50
30.86	2.63	92.92	844.44
30.88	2.66	95.82	865.81
30.90	2.75	90.82	869.47
30.92	3.01	91.37	884.74
30.94	3.17	94.82	902.44
30.96	3.39	99.94	909.77
30.98	3.32	111.27	870.08
31.00	3.03	122.05	808.42

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12\04\11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	2.92	129.61	814.53
31.04	3.00	133.27	888.40
31.06	3.13	126.17	925.03
31.08	3.34	121.17	907.94
31.10	3.37	133.50	900.61
31.12	3.64	126.95	937.24
31.14	4.05	125.73	950.06
31.16	4.36	139.40	958.00
31.18	4.65	152.18	932.36
31.20	4.86	173.18	876.19
31.22	4.88	194.73	827.35
31.24	4.77	208.73	783.39
31.26	4.57	218.85	745.54
31.28	4.37	215.62	714.41
31.30	4.21	211.07	695.48
31.32	4.27	206.51	697.92
31.34	4.68	207.07	727.84
31.36	5.07	202.07	758.97
31.38	5.30	196.51	757.75
31.40	5.25	188.40	733.94
31.42	5.46	187.84	731.50
31.44	5.97	179.73	762.03
31.46	6.64	179.17	791.94
31.48	6.76	127.30	777.29
31.50	6.75	119.96	760.19
31.52	6.69	128.41	736.39
31.54	6.54	149.97	711.35
31.56	6.05	155.30	669.23
31.58	4.94	153.53	595.97
31.60	4.08	112.30	556.29
31.62	3.35	110.41	514.77
31.64	2.75	113.19	508.67
31.66	2.42	108.31	545.30
31.68	2.26	106.75	578.27
31.70	2.17	105.08	601.46
31.72	2.01	101.42	657.63
31.74	1.96	92.97	732.11
31.76	2.04	80.42	782.78
31.78	2.12	71.75	792.55
31.80	1.98	67.08	783.39
31.82	1.88	62.86	762.64
31.84	1.71	70.19	751.65
31.86	1.67	67.42	764.47
31.88	1.88	62.53	786.45
31.90	2.33	64.42	858.49
31.92	2.59	62.53	876.80
31.94	2.59	67.75	829.18
31.96	2.26	71.42	758.36
31.98	2.06	69.64	748.60
32.00	2.17	69.53	786.45

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	2.38	67.87	812.09
32.04	2.49	70.65	823.69
32.06	2.81	77.98	856.65
32.08	3.87	78.76	975.09
32.10	5.93	73.65	1045.30
32.12	7.65	77.65	1020.88
32.14	8.65	81.10	1010.50
32.16	9.20	93.21	1001.34
32.18	9.70	91.99	1012.33
32.20	9.83	97.32	1004.39
32.22	9.81	96.11	995.85
32.24	9.71	92.77	989.13
32.26	9.17	102.77	945.18
32.28	8.30	115.55	884.13
32.30	7.44	124.33	831.01
32.32	6.59	119.34	775.46
32.34	5.58	116.34	720.51
32.36	4.65	120.34	668.62
32.38	3.96	127.00	631.38
32.40	3.30	124.00	597.80
32.42	2.71	126.11	570.94
32.44	2.37	122.11	575.21
32.46	2.52	113.89	642.98
32.48	2.73	100.22	665.57
32.50	2.46	96.12	617.95
32.52	2.03	89.12	586.20
32.54	1.84	76.79	661.90
32.56	1.89	64.57	718.68
32.58	1.85	56.45	722.95
32.60	1.82	55.34	724.18
32.62	1.78	53.79	737.00
32.64	1.73	52.12	747.37
32.66	1.77	47.90	803.54
32.68	1.88	44.12	861.54
32.70	1.92	43.01	873.75
32.72	1.94	45.46	864.59
32.74	1.90	49.90	854.82
32.76	1.91	53.68	851.16
32.78	1.99	54.35	851.77
32.80	2.09	57.68	852.99
32.82	2.20	62.02	854.82
32.84	2.26	66.24	851.16
32.86	2.30	72.13	831.01
32.88	2.26	79.80	820.02
32.90	2.25	82.47	804.15
32.92	2.21	88.13	793.77
32.94	2.18	90.25	801.71
32.96	2.12	85.47	801.71
32.98	1.98	82.58	787.06
33.00	1.86	80.03	775.46

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	1.84	75.03	786.45
33.04	1.88	70.81	801.71
33.06	2.02	65.03	826.74
33.08	2.48	62.25	909.16
33.10	4.07	63.47	1091.09
33.12	7.26	63.81	1299.27
33.14	10.19	64.81	1235.16
33.16	11.37	68.92	1237.00
33.18	11.82	57.03	1235.77
33.20	12.15	59.81	1242.49
33.22	12.43	68.37	1260.19
33.24	12.21	75.15	1247.37
33.26	11.77	77.70	1219.90
33.28	11.26	85.48	1195.48
33.30	10.97	94.26	1191.21
33.32	10.85	98.82	1204.64
33.34	10.77	100.59	1218.68
33.36	11.07	105.26	1262.64
33.38	11.82	111.81	1347.50
33.40	13.30	118.70	1492.18
33.42	15.12	121.26	1652.75
33.44	16.19	116.81	1734.55
33.46	16.34	118.70	1742.49
33.48	15.82	116.36	1713.80
33.50	15.31	106.90	1615.51
33.52	15.26	120.23	1608.18
33.54	14.77	139.01	1580.10
33.56	14.31	157.23	1566.05
33.58	13.96	172.46	1563.61
33.60	13.72	186.57	1573.38
33.62	13.67	194.57	1605.13
33.64	13.59	186.01	1635.65
33.66	13.64	163.67	1671.67
33.68	13.44	148.78	1685.71
33.70	13.07	143.66	1683.88
33.72	12.82	138.66	1683.27
33.74	13.18	139.43	1745.54
33.76	14.24	136.20	1854.82
33.78	14.59	132.86	1896.34
33.80	14.38	127.86	1888.40
33.82	13.31	118.97	1813.92
33.84	12.35	128.19	1751.65
33.86	11.34	139.51	1681.44
33.88	10.65	147.51	1646.03
33.90	9.97	158.84	1604.52
33.92	8.62	175.50	1486.69
33.94	6.76	188.16	1323.08
33.96	4.99	198.82	1150.91
33.98	3.82	203.82	1050.18
34.00	3.11	207.59	988.52

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	2.46	210.37	926.86
34.04	1.89	200.81	868.86
34.06	1.71	177.69	877.41
34.08	1.68	149.91	895.12
34.10	1.62	122.13	876.80
34.12	1.50	94.46	855.43
34.14	1.47	70.56	860.32
34.16	1.50	47.90	859.10
34.18	1.52	33.78	849.94
34.20	1.51	29.56	834.07
34.22	1.48	29.89	824.91
34.24	1.49	28.33	822.47
34.26	1.61	27.77	842.00
34.28	1.88	28.44	896.34
34.30	2.32	28.88	972.65
34.32	2.54	32.00	993.41
34.34	2.44	37.89	965.32
34.36	2.38	45.56	923.20
34.38	2.17	62.78	872.53
34.40	2.00	73.01	839.56
34.42	1.93	75.45	816.36
34.44	1.85	78.46	791.33
34.46	1.81	78.13	769.35
34.48	1.96	71.53	740.05
34.50	1.99	64.42	743.71
34.52	2.11	55.43	758.36
34.54	2.31	49.98	777.29
34.56	2.81	50.54	799.88
34.58	3.59	58.54	828.57
34.60	4.13	63.21	827.35
34.62	4.30	63.43	810.26
34.64	4.40	64.43	793.77
34.66	4.54	68.11	773.63
34.68	4.55	74.99	758.97
34.70	4.46	78.66	738.83
34.72	4.15	78.55	707.69
34.74	3.97	80.44	692.43
34.76	3.58	84.89	650.30
34.78	3.43	104.11	614.90
34.80	3.54	114.78	620.39
34.82	3.79	120.45	644.20
34.84	4.24	132.23	653.97
34.86	4.52	140.01	655.80
34.88	4.30	127.23	624.66
34.90	4.11	115.79	603.91
34.92	3.90	123.34	580.10
34.94	3.43	127.23	542.86
34.96	3.00	120.45	535.53
34.98	2.79	119.34	543.47
35.00	2.58	117.57	556.29

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	2.48	111.45	591.70
35.04	2.58	102.12	660.07
35.06	2.56	98.34	658.85
35.08	2.41	92.67	652.75
35.10	2.32	86.56	641.76
35.12	2.11	81.67	646.03
35.14	2.18	74.89	679.61
35.16	2.29	71.56	697.92
35.18	2.27	71.78	705.25
35.20	2.32	72.11	715.63
35.22	2.58	73.34	816.97
35.24	2.62	65.89	826.13
35.26	2.47	69.11	777.90
35.28	2.36	71.11	766.91
35.30	2.30	72.44	784.00
35.32	2.34	71.11	807.20
35.34	2.37	72.34	845.66
35.36	2.25	75.56	835.90
35.38	2.26	75.78	824.91
35.40	2.29	77.67	826.13
35.42	2.42	72.56	846.28
35.44	2.49	70.12	838.34
35.46	2.48	72.56	831.01
35.48	2.56	68.93	884.74
35.50	2.62	76.16	898.78
35.52	3.31	79.16	1003.17
35.54	4.85	79.27	1138.70
35.56	6.14	86.71	1120.39
35.58	6.03	91.83	987.30
35.60	5.13	85.39	873.75
35.62	4.89	82.94	846.28
35.64	5.10	102.72	852.38
35.66	5.02	116.83	825.52
35.68	4.28	117.27	756.53
35.70	4.45	115.83	771.18
35.72	5.87	129.94	956.17
35.74	5.83	117.05	872.53
35.76	4.75	90.27	783.39
35.78	3.84	106.94	715.63
35.80	3.75	147.60	720.51
35.82	5.40	165.83	950.06
35.84	6.87	144.49	1011.72
35.86	7.04	139.49	975.70
35.88	6.95	146.71	951.89
35.90	9.07	154.93	1121.00
35.92	12.56	150.15	1388.40
35.94	14.12	115.48	1495.24
35.96	14.62	100.26	1526.98
35.98	14.43	95.15	1522.10
36.00	13.84	102.25	1500.12

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	13.47	109.92	1505.62
36.04	13.32	124.36	1535.53
36.06	13.19	139.91	1573.38
36.08	13.12	156.25	1606.35
36.10	12.81	173.46	1617.95
36.12	12.46	188.24	1625.27
36.14	12.13	190.23	1633.21
36.16	11.79	184.45	1638.09
36.18	11.76	184.23	1668.62
36.20	11.66	179.44	1699.14
36.22	11.75	178.88	1740.66
36.24	12.16	176.54	1800.49
36.26	12.59	172.43	1863.37
36.28	12.95	167.76	1916.48
36.30	13.21	162.08	1951.28
36.32	13.01	160.08	1942.73
36.34	12.81	162.29	1932.35
36.36	12.86	164.06	1944.56
36.38	13.00	166.39	1968.37
36.40	13.26	168.39	1995.85
36.42	13.56	172.05	2027.59
36.44	13.88	176.93	2058.12
36.46	14.16	174.83	1658.24
36.48	14.35	177.72	1668.01
36.50	14.74	176.39	1713.19
36.52	14.89	180.50	1749.82
36.54	14.44	181.94	1743.71
36.56	13.67	188.94	1706.47
36.58	13.16	196.05	1698.53
36.60	12.40	195.50	1659.46
36.62	11.64	199.38	1616.12
36.64	10.57	208.38	1538.58
36.66	10.85	214.37	1576.43
36.68	12.21	221.48	1714.41
36.70	13.33	214.37	1826.74
36.72	13.79	197.80	1879.85
36.74	13.51	195.13	1862.76
36.76	12.92	159.46	1819.41
36.78	11.85	137.13	1733.33
36.80	11.45	124.12	1708.30
36.82	11.95	127.56	1754.09
36.84	13.12	144.45	1859.71
36.86	14.29	155.22	1951.89
36.88	14.91	144.88	1976.31
36.90	14.84	142.89	1950.67
36.92	13.15	134.33	1777.29
36.94	10.09	127.89	1487.91
36.96	7.33	129.67	1226.01
36.98	5.57	152.23	1052.62
37.00	4.55	186.67	943.96



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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	3.87	218.79	857.87
37.04	3.58	240.01	812.09
37.06	3.32	252.23	774.24
37.08	3.17	233.68	744.93
37.10	3.03	213.12	747.98
37.12	2.90	179.45	768.13
37.14	2.91	153.01	750.43
37.16	2.91	132.78	725.40
37.18	2.92	118.45	710.13
37.20	2.95	108.11	686.32
37.22	2.88	103.00	653.36
37.24	2.80	97.45	623.44
37.26	2.73	95.89	599.02
37.28	2.64	96.56	574.60
37.30	2.55	96.79	549.57
37.32	2.40	95.01	529.43
37.34	2.46	91.57	528.20
37.36	2.76	87.24	541.64
37.38	3.41	83.69	563.61
37.40	4.09	83.47	572.16
37.42	4.40	76.14	556.29
37.44	4.82	64.43	407.33
37.46	5.12	71.77	412.21
37.48	5.03	78.77	404.88
37.50	5.06	82.89	401.22
37.52	5.13	83.22	401.83
37.54	5.00	83.67	394.51
37.56	4.76	76.45	386.57
37.58	4.60	76.22	380.46
37.60	4.49	88.67	376.80
37.62	4.12	93.34	363.37
37.64	3.62	91.79	347.50
37.66	3.23	89.01	335.90
37.68	2.97	89.67	333.46
37.70	2.90	85.68	338.95
37.72	3.09	77.90	358.49
37.74	3.88	77.57	399.39
37.76	5.21	83.68	449.45
37.78	6.44	85.45	494.63
37.80	7.72	87.90	541.03
37.82	8.85	83.68	581.32
37.84	9.29	81.01	593.53
37.86	9.25	73.90	594.75
37.88	9.46	80.35	610.01
37.90	9.63	96.46	630.16
37.92	9.51	111.35	638.71
37.94	9.00	111.68	625.27
37.96	8.54	125.23	616.73
37.98	8.38	146.46	622.83
38.00	7.62	153.46	589.87

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	6.23	140.57	522.71
38.04	4.99	128.68	472.65
38.06	3.90	132.01	432.97
38.08	3.23	144.56	417.70
38.10	2.72	149.34	407.94
38.12	2.19	136.00	402.44
38.14	1.83	121.89	429.30
38.16	1.78	106.89	466.54
38.18	1.80	88.77	489.74
38.20	1.76	69.11	500.73
38.22	1.75	55.33	507.45
38.24	1.75	46.88	515.99
38.26	1.78	39.66	525.15
38.28	1.84	35.54	530.65
38.30	1.94	35.88	538.58
38.32	2.18	35.66	551.40
38.34	2.65	38.99	579.49
38.36	3.50	45.10	627.72
38.38	4.96	51.10	719.90
38.40	6.64	61.54	815.75
38.42	8.59	83.77	896.95
38.44	11.50	105.26	769.35
38.46	11.78	133.26	772.40
38.48	12.88	153.71	830.40
38.50	13.84	178.71	892.06
38.52	14.03	187.16	917.09
38.54	14.43	184.71	970.21
38.56	14.76	149.82	1023.32
38.58	15.42	141.60	1103.30
38.60	15.71	140.60	1160.68
38.62	15.19	143.15	1168.62
38.64	14.65	140.81	1169.84
38.66	14.05	102.25	1181.44
38.68	13.85	106.25	1219.29
38.70	13.76	111.47	1265.69
38.72	13.75	118.13	1317.58
38.74	13.72	125.57	1365.81
38.76	13.63	127.79	1411.60
38.78	13.52	130.68	1454.33
38.80	13.29	129.56	1483.64
38.82	12.94	135.33	1501.34
38.84	12.77	139.43	1523.93
38.86	12.90	139.09	1566.67
38.88	12.95	140.09	1608.79
38.90	12.87	147.19	1633.21
38.92	12.88	152.19	1663.73
38.94	13.00	151.63	1700.36
38.96	13.20	148.40	1745.54
38.98	13.40	145.62	1787.67
39.00	13.52	149.17	1823.69

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	13.65	152.27	1859.09
39.04	13.74	157.94	1890.23
39.06	13.84	154.15	1921.37
39.08	13.98	156.04	1954.33
39.10	14.38	156.04	2005.00
39.12	14.96	157.37	2067.89
39.14	15.51	156.47	2124.05
39.16	15.73	159.47	2153.97
39.18	15.71	158.58	2166.79
39.20	15.56	163.13	2171.67
39.22	15.31	162.01	2170.45
39.24	14.79	165.23	2142.37
39.26	14.26	165.78	2106.35
39.28	13.92	169.56	2090.47
39.30	13.78	168.33	2096.58
39.32	13.92	164.66	2125.27
39.34	14.25	164.66	2167.40
39.36	14.74	162.55	2218.68
39.38	13.36	161.25	1281.56
39.40	14.86	159.70	1374.97
39.42	14.64	164.37	1351.16
39.44	14.51	160.37	1345.66
39.46	14.81	157.93	1379.85
39.48	15.31	156.26	1438.46
39.50	15.94	149.59	1509.89
39.52	16.08	151.70	1553.84
39.54	16.39	147.93	1596.58
39.56	16.42	152.37	1625.88
39.58	16.07	157.04	1630.77
39.60	15.82	158.71	1636.26
39.62	15.88	158.71	1666.18
39.64	16.08	167.60	1711.96
39.66	16.05	165.93	1735.16
39.68	15.70	172.93	1740.66
39.70	15.36	173.71	1738.22
39.72	15.35	171.16	1757.75
39.74	15.47	165.71	1787.06
39.76	15.76	163.83	1831.62
39.78	15.61	157.16	1845.05
39.80	15.28	161.93	1839.56
39.82	15.28	164.71	1857.87
39.84	15.64	165.04	1903.05
39.86	16.06	167.38	1955.55
39.88	16.31	171.71	1995.85
39.90	16.47	181.82	2026.98
39.92	16.48	189.15	2045.91
39.94	16.63	190.15	2072.16
39.96	16.72	190.48	2098.41
39.98	16.40	195.70	2091.70
40.00	15.83	196.48	2052.62

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Committente AUTOBRENNERO SPA

Località VILLANOVA D. B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 1

Cert. N. 425/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	14.93	190.04	1965.32
40.04	13.45	180.26	1812.70
40.06	11.53	179.81	1621.00
40.08	8.88	194.37	1360.32
40.10	6.47	225.81	1117.95
40.12	5.02	262.92	958.61
40.14	4.29	294.70	868.86
40.16	3.81	319.25	817.58
40.18	3.52	323.47	794.99
40.20	4.20	314.47	908.55
40.22	4.32	278.03	910.99
40.24	4.14	246.92	847.50
40.26	3.83	233.14	752.87
40.28	3.40	235.58	682.05
40.30	2.92	224.57	621.00
40.32	2.57	198.80	575.82
40.34	2.39	188.24	539.80
40.36	2.25	179.69	511.72
40.38	3.11	67.46	804.76
40.40	3.08	71.12	791.94
40.42	2.84	76.57	769.35
40.44	2.61	76.12	741.88
40.46	2.61	79.34	730.28
40.48	2.99	79.35	743.10
40.50	3.45	76.01	765.69
40.52	3.76	77.46	773.63
40.54	3.98	90.13	767.52
40.56	4.05	108.02	751.04
40.58	4.06	120.69	730.89
40.60	4.08	130.91	712.58
40.62	3.97	142.92	689.38
40.64	3.87	152.14	666.79
40.66	4.07	156.03	660.07
40.68	5.07	157.92	708.30
40.70	6.96	164.48	798.05
40.72	7.98	156.70	846.89
40.74	7.54	140.15	815.14
40.76	6.36	118.82	732.11
40.78	5.16	117.04	646.64
40.80	4.09	115.60	576.43
40.82	3.53	126.38	537.97
40.84	2.94	141.16	499.51
40.86	2.83	152.61	487.91
40.88	2.94	156.50	484.25
40.90	2.80	156.73	465.93
40.92	2.56	141.39	448.84
40.94	2.55	118.51	439.68
40.96	2.49	101.40	426.25
40.98	2.33	82.07	409.16
41.00	2.30	69.85	396.95

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	2.36	71.30	388.40
41.04	2.27	76.19	378.02
41.06	2.21	75.42	368.25
41.08	2.19	74.97	359.10
41.10	2.15	72.42	351.16
41.12	2.10	72.31	342.61
41.14	2.09	70.98	334.68
41.16	2.10	67.76	327.96
41.18	2.10	64.54	321.86
41.20	2.10	65.21	315.14
41.22	2.11	64.33	309.65
41.24	2.10	63.44	303.54
41.26	2.07	64.67	296.83
41.28	2.09	65.22	291.33
41.30	2.16	65.56	287.67
41.32	2.26	65.56	287.06
41.34	2.22	68.57	280.95
41.36	2.11	71.79	273.63
41.38	2.14	63.46	191.82
41.40	2.19	65.01	192.43
41.42	2.46	65.13	198.53
41.44	3.30	65.68	211.36
41.46	4.09	68.35	229.06
41.48	4.67	75.47	240.66
41.50	5.08	101.91	238.83
41.52	4.88	129.69	233.33
41.54	4.44	144.81	224.79
41.56	4.03	157.36	216.85
41.58	3.73	166.58	211.36
41.60	3.97	170.92	218.07
41.62	4.56	170.25	233.94
41.64	5.16	166.14	248.60
41.66	5.66	161.81	259.58
41.68	5.24	156.70	252.26
41.70	4.74	150.47	244.32
41.72	4.20	134.14	235.78
41.74	3.81	119.80	230.89
41.76	3.71	117.57	231.50
41.78	3.73	117.80	235.16
41.80	3.85	115.02	240.05
41.82	3.77	113.68	240.05
41.84	3.67	109.46	240.05
41.86	3.60	102.90	239.44
41.88	3.74	100.12	244.32
41.90	3.56	96.68	241.27
41.92	3.31	91.45	235.78
41.94	3.26	86.01	235.16
41.96	3.37	82.01	240.05
41.98	3.24	79.34	237.00
42.00	3.12	73.79	234.55

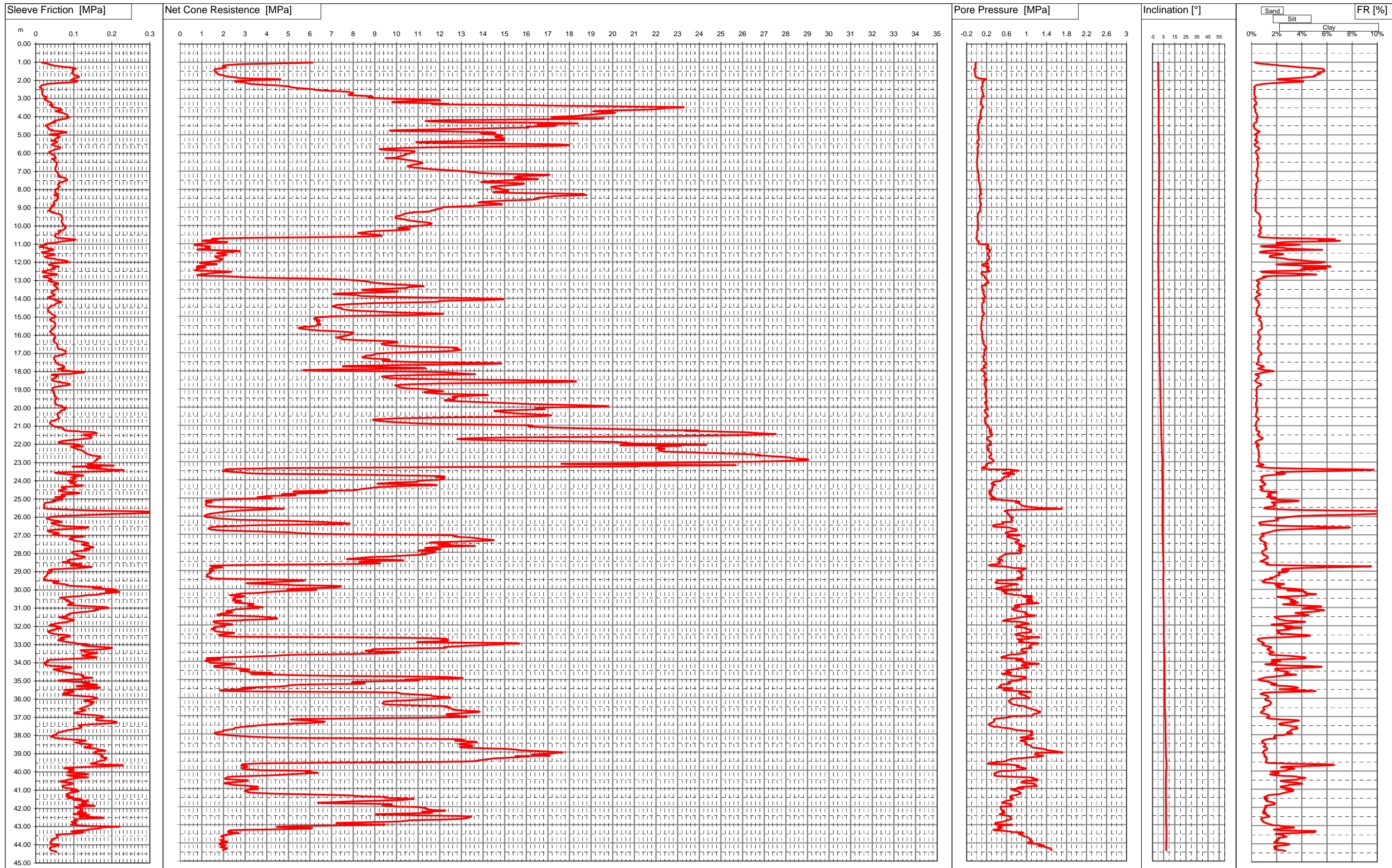
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	3.11	71.11	235.16
42.04	3.53	72.34	246.76
42.06	3.88	75.00	255.31
42.08	3.97	73.56	258.97
42.10	3.67	68.89	251.65
42.12	3.39	73.67	244.93
42.14	3.18	77.45	241.27
42.16	2.95	67.01	236.39
42.18	2.68	61.34	230.28
42.20	2.46	61.34	225.40
42.22	2.46	63.34	226.62
42.24	2.27	58.34	221.12
42.26	2.26	55.79	221.73
42.28	2.31	48.57	224.18
42.30	2.36	46.79	226.01
42.32	2.44	43.12	228.45
42.34	2.48	40.68	228.45
42.36	2.48	40.90	227.84
42.38	2.64	70.97	218.07
42.40	2.57	73.08	218.68
42.42	2.58	71.86	221.12
42.44	2.55	69.08	222.34
42.46	2.60	64.86	226.01
42.48	2.58	64.75	228.45
42.50	2.52	61.42	229.06
42.52	2.46	59.30	232.72
42.54	2.43	57.75	241.27
42.56	2.39	57.42	246.76
42.58	2.37	57.30	257.14
42.60	2.39	57.85	262.64
42.62	2.40	59.75	268.13
42.64	2.41	59.85	272.41
42.66	2.40	60.74	274.85
42.68	2.33	64.08	275.46
42.70	2.26	67.53	274.85
42.72	2.15	70.08	273.63
42.74	2.08	70.74	290.11
42.76	2.03	70.74	289.50
42.78	2.08	67.86	294.38
42.80	2.10	65.86	301.10
42.82	2.22	60.53	307.81
42.84	2.26	58.30	312.09
42.86	2.21	59.75	313.92
42.88	2.21	57.42	317.58
42.90	2.18	55.53	320.63
42.92	2.15	53.19	323.69
42.94	2.14	51.86	326.74
42.96	2.10	54.64	330.40
42.98	2.08	56.08	334.07
43.00	2.09	55.30	336.51



MN-CPTU8

Committente AUTOBRENNERO SPA  
 Località VILLANOVA D.B. - MN -  
 Cantiere SOVRAPASSO N° 109  
 Operatore DR.STANZANI  
 Prova nr. 2 Cert. N. 426/2011  
 Data 12\04\11 Emesso il 12/04/11  
 Falda 0.00 ml  
 Preforo 1.00 m. p.c.

**Intergeo**  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12/04/11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	6.12	15.73	-17.59
1.04	5.52	28.51	-18.81
1.06	4.93	22.73	-19.42
1.08	4.30	32.18	-21.25
1.10	3.10	31.96	-23.69
1.12	2.69	37.97	-24.91
1.14	2.36	38.86	-26.74
1.16	2.15	44.20	-27.97
1.18	2.04	45.98	-24.91
1.20	1.98	54.21	-25.52
1.22	1.96	61.33	-26.74
1.24	1.99	68.11	-25.52
1.26	2.06	74.34	-24.30
1.28	2.11	85.01	-24.30
1.30	2.11	95.34	-23.69
1.32	1.97	101.91	-23.08
1.34	1.89	104.36	-22.47
1.36	1.78	105.59	-23.69
1.38	1.63	98.51	-45.06
1.40	1.59	97.40	-45.67
1.42	1.59	96.41	-46.89
1.44	1.59	96.31	-45.67
1.46	1.58	96.43	-43.23
1.48	1.59	97.32	-40.18
1.50	1.61	97.88	-38.95
1.52	1.61	97.44	-38.34
1.54	1.65	96.23	-37.12
1.56	1.66	96.68	-36.51
1.58	1.69	95.46	-35.29
1.60	1.71	94.47	-35.90
1.62	1.71	97.69	-34.68
1.64	1.72	99.37	-31.63
1.66	1.76	98.60	-32.85
1.68	1.81	100.05	-29.19
1.70	1.89	100.72	-28.58
1.72	1.97	106.17	-28.58
1.74	2.03	106.62	-26.74
1.76	2.08	110.07	-24.91
1.78	2.13	113.96	-25.52
1.80	2.25	113.64	-21.25
1.82	2.42	113.53	-7.21
1.84	2.61	109.10	10.50
1.86	2.61	106.21	22.10
1.88	2.78	100.22	31.87
1.90	3.31	99.00	74.60
1.92	4.26	98.34	136.26
1.94	4.62	95.78	188.16
1.96	4.21	93.24	171.06
1.98	3.70	96.57	156.41
2.00	3.27	103.13	147.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	2.82	109.91	141.15
2.04	2.63	108.03	136.87
2.06	2.52	108.26	130.77
2.08	2.66	105.71	130.16
2.10	2.97	95.82	128.94
2.12	3.01	81.27	125.27
2.14	3.07	64.39	122.22
2.16	3.09	48.06	119.78
2.18	3.13	36.18	117.95
2.20	3.28	29.51	116.73
2.22	3.53	25.08	116.73
2.24	3.82	21.08	117.34
2.26	4.16	17.08	119.17
2.28	4.45	14.42	119.17
2.30	4.71	14.09	119.17
2.32	4.92	13.65	119.78
2.34	5.07	13.21	119.17
2.36	5.08	9.83	96.58
2.38	5.16	10.61	94.75
2.40	5.25	11.95	94.14
2.42	5.38	13.84	94.14
2.44	5.58	15.18	95.36
2.46	5.83	15.62	97.80
2.48	6.03	15.51	100.24
2.50	6.17	15.52	100.85
2.52	6.26	14.96	101.47
2.54	6.37	14.96	102.08
2.56	6.61	15.41	105.74
2.58	6.96	16.41	110.62
2.60	7.34	16.86	114.90
2.62	7.64	18.19	118.56
2.64	7.79	16.97	119.78
2.66	7.86	16.42	121.00
2.68	7.93	16.64	122.83
2.70	8.00	16.98	124.05
2.72	7.99	16.87	125.27
2.74	7.97	17.20	126.50
2.76	7.91	16.98	127.11
2.78	7.82	17.31	127.72
2.80	7.79	17.53	129.55
2.82	7.92	18.65	133.82
2.84	8.25	19.65	139.32
2.86	8.67	21.21	144.81
2.88	8.88	24.10	147.86
2.90	8.81	27.65	126.50
2.92	8.74	28.87	113.68
2.94	8.70	29.10	105.74
2.96	8.84	27.65	100.24
2.98	9.10	25.21	96.58
3.00	9.51	23.76	97.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	10.07	23.54	96.58
3.04	10.73	22.53	98.41
3.06	11.39	23.76	99.63
3.08	11.98	26.65	99.63
3.10	12.03	29.09	96.58
3.12	11.60	30.53	91.70
3.14	10.81	32.09	85.59
3.16	10.17	33.31	81.93
3.18	9.84	35.42	80.71
3.20	9.79	38.20	81.32
3.22	10.08	40.53	85.59
3.24	10.72	40.53	91.70
3.26	11.57	41.19	97.19
3.28	12.10	41.86	91.09
3.30	12.38	42.41	86.81
3.32	11.66	44.85	76.43
3.34	14.13	36.29	101.47
3.36	15.63	37.18	106.35
3.38	16.60	38.84	105.74
3.40	17.67	41.95	108.18
3.42	19.09	43.84	112.45
3.44	20.66	43.07	119.17
3.46	22.08	46.07	123.44
3.48	23.29	49.73	126.50
3.50	23.18	49.40	121.61
3.52	22.53	58.39	112.45
3.54	22.26	62.39	105.13
3.56	22.20	64.50	103.30
3.58	22.05	65.39	99.63
3.60	21.82	65.28	96.58
3.62	21.37	68.83	94.75
3.64	20.58	63.50	91.09
3.66	19.89	57.71	87.42
3.68	19.32	52.82	83.76
3.70	19.09	54.04	81.93
3.72	19.20	56.81	83.76
3.74	19.65	60.70	85.59
3.76	19.99	67.03	83.15
3.78	20.11	69.91	83.15
3.80	20.05	72.79	83.76
3.82	19.76	74.79	80.10
3.84	19.43	76.89	77.05
3.86	19.29	79.33	81.93
3.88	19.07	82.21	76.43
3.90	18.80	82.54	74.60
3.92	18.62	83.76	73.99
3.94	18.50	83.53	72.77
3.96	18.33	82.86	76.43
3.98	17.97	84.63	75.82
4.00	17.45	85.96	72.16

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12\04\11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	17.15	87.40	71.55
4.04	17.20	85.17	75.82
4.06	17.57	83.61	80.71
4.08	18.51	81.05	88.03
4.10	19.57	77.37	92.31
4.12	19.32	69.59	80.71
4.14	17.32	64.14	67.28
4.16	15.21	64.69	59.34
4.18	13.54	58.80	53.85
4.20	12.33	52.35	50.79
4.22	11.68	49.02	49.57
4.24	11.34	48.56	51.40
4.26	11.45	46.12	55.68
4.28	12.04	46.78	59.95
4.30	12.84	51.56	64.84
4.32	14.63	41.13	47.74
4.34	16.63	42.35	53.24
4.36	18.11	40.02	46.52
4.38	18.38	35.46	38.58
4.40	17.48	36.35	34.31
4.42	16.80	33.02	30.65
4.44	16.51	30.24	31.26
4.46	16.74	27.24	33.70
4.48	17.10	25.91	36.14
4.50	17.34	27.25	38.58
4.52	17.16	28.25	37.36
4.54	16.44	30.92	33.70
4.56	16.02	32.59	33.70
4.58	15.99	31.36	35.53
4.60	16.10	32.36	38.58
4.62	15.28	32.36	33.09
4.64	14.32	33.03	30.65
4.66	13.69	33.03	30.04
4.68	12.97	33.80	28.82
4.70	11.99	40.80	25.76
4.72	11.13	44.14	23.93
4.74	10.17	39.91	21.49
4.76	9.69	42.91	21.49
4.78	9.72	51.80	27.59
4.80	10.40	68.13	31.26
4.82	12.55	71.46	36.75
4.84	13.25	80.91	27.59
4.86	14.33	80.35	33.09
4.88	14.56	68.68	33.09
4.90	14.10	64.68	28.82
4.92	13.91	64.68	28.21
4.94	13.95	49.23	30.04
4.96	14.20	39.79	30.65
4.98	14.50	35.79	35.53
5.00	14.69	43.56	39.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	14.81	57.01	41.03
5.04	14.90	58.78	42.25
5.06	14.84	60.23	41.03
5.08	14.71	59.34	41.03
5.10	14.56	63.78	41.03
5.12	14.57	61.56	41.64
5.14	14.57	55.67	42.86
5.16	14.73	57.78	44.69
5.18	14.94	54.89	45.91
5.20	14.99	51.34	46.52
5.22	14.97	51.34	47.13
5.24	14.97	50.89	47.74
5.26	14.97	50.34	47.74
5.28	13.75	51.45	37.97
5.30	14.95	40.13	29.43
5.32	14.19	42.91	23.32
5.34	13.26	47.69	19.05
5.36	12.23	54.80	15.38
5.38	11.40	56.36	12.94
5.40	10.91	55.25	11.72
5.42	10.92	54.14	12.33
5.44	11.32	51.69	15.38
5.46	12.29	48.91	20.88
5.48	13.97	46.59	28.21
5.50	16.02	43.69	36.75
5.52	17.39	43.03	41.64
5.54	17.83	43.25	42.86
5.56	17.98	46.02	43.47
5.58	17.99	49.36	44.08
5.60	17.56	51.47	41.03
5.62	16.66	54.91	36.75
5.64	15.28	59.13	31.87
5.66	13.73	62.69	26.98
5.68	12.31	64.58	23.32
5.70	11.15	64.46	21.49
5.72	10.48	62.69	20.27
5.74	9.97	62.13	19.05
5.76	9.55	59.35	18.44
5.78	9.32	54.90	18.44
5.80	9.21	50.46	18.44
5.82	9.37	47.90	20.27
5.84	9.64	44.90	22.71
5.86	10.09	42.56	24.54
5.88	10.60	40.34	26.37
5.90	10.83	37.67	26.98
5.92	10.85	35.67	26.37
5.94	10.80	34.89	26.37
5.96	10.77	35.22	25.15
5.98	10.71	36.78	24.54
6.00	10.67	38.00	23.93

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	10.62	39.33	23.32
6.04	10.48	41.11	22.10
6.06	10.39	43.22	21.49
6.08	10.39	45.33	20.88
6.10	10.44	46.66	20.88
6.12	10.39	48.11	20.27
6.14	10.32	49.77	19.66
6.16	10.25	50.88	19.05
6.18	10.18	51.11	18.44
6.20	10.10	50.77	17.83
6.22	10.05	51.11	17.22
6.24	10.01	51.33	16.61
6.26	9.97	51.33	16.00
6.28	9.49	52.88	12.33
6.30	10.01	42.47	9.89
6.32	10.14	43.47	9.28
6.34	10.26	44.92	8.67
6.36	10.39	47.14	8.67
6.38	10.46	48.37	7.45
6.40	10.57	48.59	6.84
6.42	10.75	49.81	7.45
6.44	10.86	51.37	8.06
6.46	10.93	52.37	8.06
6.48	11.00	53.48	8.06
6.50	11.08	54.04	8.67
6.52	11.17	54.48	8.67
6.54	11.17	54.93	8.67
6.56	11.21	55.37	9.28
6.58	11.15	55.48	8.67
6.60	11.04	55.81	8.06
6.62	10.92	55.81	8.06
6.64	10.80	55.48	7.45
6.66	10.70	54.48	6.84
6.68	10.67	53.92	7.45
6.70	10.60	53.59	7.45
6.72	10.53	53.48	8.06
6.74	10.51	53.03	8.06
6.76	10.57	52.81	9.28
6.78	10.69	52.14	10.50
6.80	10.81	51.59	11.72
6.82	10.98	51.47	12.94
6.84	11.16	51.47	14.77
6.86	11.32	51.03	16.00
6.88	11.49	51.03	17.83
6.90	11.76	50.80	19.05
6.92	12.02	51.69	20.27
6.94	12.28	52.36	21.49
6.96	12.57	52.91	22.71
6.98	12.81	53.58	23.93
7.00	13.03	54.02	25.15

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	13.26	54.80	26.37
7.04	13.34	56.13	26.98
7.06	13.54	56.91	28.21
7.08	13.73	57.13	29.43
7.10	13.80	58.46	30.04
7.12	14.08	59.02	32.48
7.14	14.57	60.13	34.92
7.16	15.50	59.35	38.58
7.18	16.55	58.45	42.25
7.20	17.07	58.56	44.08
7.22	17.02	60.68	44.69
7.24	16.77	62.68	44.69
7.26	16.22	65.78	42.86
7.28	15.57	58.35	35.53
7.30	15.76	62.24	36.14
7.32	15.67	67.01	36.14
7.34	15.48	71.79	35.53
7.36	15.45	76.57	35.53
7.38	15.50	77.46	36.75
7.40	15.97	78.68	41.64
7.42	16.26	80.68	43.47
7.44	16.54	81.13	45.91
7.46	16.25	82.79	44.69
7.48	15.71	82.13	42.25
7.50	15.19	79.01	41.03
7.52	14.94	74.90	41.64
7.54	14.74	74.34	42.86
7.56	14.38	73.23	42.86
7.58	14.03	71.11	42.25
7.60	13.91	64.89	44.69
7.62	14.06	61.00	48.96
7.64	14.60	60.33	53.24
7.66	15.38	62.44	58.12
7.68	15.89	60.99	60.56
7.70	15.90	58.43	61.17
7.72	15.79	57.54	61.17
7.74	15.60	58.43	62.39
7.76	15.42	59.32	63.00
7.78	15.15	60.20	63.00
7.80	14.95	61.42	63.61
7.82	14.71	63.09	64.84
7.84	14.54	62.97	64.84
7.86	14.41	60.97	65.45
7.88	14.37	59.08	66.67
7.90	14.46	58.52	68.50
7.92	14.58	58.08	69.11
7.94	14.64	56.30	70.33
7.96	14.77	54.52	72.16
7.98	14.83	54.18	72.77
8.00	14.90	53.51	69.11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	14.96	51.51	70.94
8.04	15.05	50.96	72.77
8.06	15.13	51.29	74.60
8.08	15.17	50.84	75.21
8.10	15.14	51.28	75.21
8.12	14.90	50.95	72.16
8.14	14.57	50.39	70.94
8.16	14.47	51.61	72.77
8.18	14.66	53.28	76.43
8.20	15.37	54.16	80.71
8.22	16.59	57.28	86.81
8.24	18.05	59.49	93.53
8.26	18.65	58.38	96.58
8.28	18.40	48.08	66.67
8.30	18.77	48.97	65.45
8.32	18.73	51.42	64.22
8.34	18.20	54.09	59.34
8.36	17.54	57.31	56.90
8.38	17.25	58.98	56.90
8.40	17.09	57.54	56.90
8.42	16.93	58.98	57.51
8.44	16.85	57.54	59.34
8.46	16.65	56.54	59.34
8.48	16.49	56.42	60.56
8.50	16.47	55.76	62.39
8.52	16.59	56.09	66.67
8.54	16.48	57.09	67.89
8.56	16.41	56.86	69.72
8.58	16.09	55.31	69.11
8.60	15.65	51.53	67.28
8.62	15.11	49.74	65.45
8.64	14.74	49.08	64.84
8.66	14.41	49.07	64.84
8.68	14.13	47.96	64.84
8.70	13.85	47.29	64.84
8.72	13.78	46.85	66.67
8.74	13.96	46.62	70.94
8.76	14.30	47.62	75.21
8.78	14.62	48.95	77.66
8.80	14.76	48.84	78.88
8.82	14.88	49.17	81.93
8.84	14.83	48.28	81.32
8.86	14.53	44.05	79.49
8.88	13.99	47.83	75.82
8.90	13.72	46.16	75.21
8.92	13.52	42.49	73.38
8.94	13.02	41.49	70.94
8.96	12.63	40.60	69.11
8.98	12.26	40.27	67.89
9.00	12.11	41.27	67.89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	12.11	38.60	69.11
9.04	12.11	39.04	70.33
9.06	12.01	38.49	69.72
9.08	11.94	38.82	69.11
9.10	11.87	36.93	68.50
9.12	11.78	35.71	67.89
9.14	11.81	35.37	69.72
9.16	11.64	33.26	66.67
9.18	11.59	37.15	66.06
9.20	11.58	38.59	67.28
9.22	11.52	42.93	67.28
9.24	11.45	45.82	65.45
9.26	10.74	43.52	40.42
9.28	10.76	47.19	36.75
9.30	10.60	52.08	33.09
9.32	10.53	56.64	31.26
9.34	10.39	61.42	29.43
9.36	10.38	63.64	28.82
9.38	10.31	65.09	27.59
9.40	10.30	66.76	26.98
9.42	10.26	67.42	26.37
9.44	10.18	67.42	25.76
9.46	10.12	68.76	25.15
9.48	10.03	68.76	24.54
9.50	9.96	68.54	23.93
9.52	9.98	69.31	23.93
9.54	9.98	69.54	23.32
9.56	9.94	69.42	22.71
9.58	9.94	69.98	22.71
9.60	10.02	69.87	22.71
9.62	10.13	69.87	23.32
9.64	10.24	70.53	23.93
9.66	10.36	69.31	23.93
9.68	10.48	68.20	23.93
9.70	10.51	68.09	23.93
9.72	10.58	67.53	23.93
9.74	10.72	67.64	24.54
9.76	10.86	67.98	25.76
9.78	11.00	68.53	26.37
9.80	11.18	68.87	27.59
9.82	11.33	69.20	28.82
9.84	11.47	69.53	29.43
9.86	11.58	70.09	30.04
9.88	11.62	70.97	30.65
9.90	11.63	71.42	30.65
9.92	11.59	71.87	30.04
9.94	11.51	72.98	30.04
9.96	11.47	74.31	29.43
9.98	11.31	74.64	28.82
10.00	11.11	75.31	26.98

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12\04\11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	10.92	75.86	25.76
10.04	10.82	77.53	26.37
10.06	10.68	77.31	26.37
10.08	10.51	77.31	25.15
10.10	10.29	77.75	24.54
10.12	10.09	78.53	23.93
10.14	10.07	77.20	24.54
10.16	10.18	76.64	26.37
10.18	10.41	74.20	28.21
10.20	10.61	72.64	30.04
10.22	10.56	70.97	29.43
10.24	10.41	68.64	28.21
10.26	9.86	58.78	16.00
10.28	9.48	60.68	12.33
10.30	9.09	62.45	9.89
10.32	8.84	63.90	8.67
10.34	8.68	64.13	8.06
10.36	8.55	62.46	7.45
10.38	8.43	60.24	6.84
10.40	8.29	59.13	6.23
10.42	8.22	56.68	6.23
10.44	8.34	53.91	6.84
10.46	8.56	52.35	8.06
10.48	8.87	51.57	9.89
10.50	9.10	51.68	11.11
10.52	9.26	51.13	11.11
10.54	9.27	49.90	11.11
10.56	9.33	50.13	11.11
10.58	9.14	50.90	9.28
10.60	8.58	51.79	6.84
10.62	7.61	53.46	3.79
10.64	6.07	56.46	-0.49
10.66	4.38	62.57	-5.99
10.68	3.12	73.24	-9.04
10.70	1.94	83.90	-5.38
10.72	1.49	91.90	-5.99
10.74	1.47	104.35	-2.32
10.76	1.61	105.24	1.95
10.78	1.70	95.68	5.01
10.80	1.44	86.56	8.06
10.82	1.08	82.13	14.16
10.84	1.02	73.12	19.66
10.86	1.20	65.90	38.58
10.88	1.73	59.57	45.91
10.90	2.16	56.46	49.57
10.92	2.17	49.57	44.08
10.94	1.84	37.24	38.58
10.96	1.39	29.57	36.14
10.98	1.16	23.46	39.19
11.00	0.96	25.24	44.08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	0.79	28.24	47.13
11.04	0.65	26.02	218.07
11.06	0.65	22.36	226.01
11.08	0.69	17.14	227.84
11.10	0.93	11.70	233.33
11.12	1.22	9.48	238.83
11.14	1.38	10.37	235.16
11.16	1.34	14.81	226.01
11.18	1.26	21.04	215.02
11.20	1.18	26.04	202.20
11.22	1.18	32.16	197.92
11.24	1.20	33.38	192.43
11.26	1.37	44.16	238.22
11.28	1.17	44.94	220.51
11.30	0.92	44.94	211.36
11.32	0.78	46.72	238.22
11.34	1.16	33.83	260.81
11.36	1.86	35.83	282.17
11.38	2.55	35.83	271.79
11.40	2.77	27.94	263.86
11.42	2.61	21.17	255.31
11.44	2.34	15.50	249.82
11.46	2.15	15.50	246.76
11.48	2.01	17.94	243.10
11.50	1.82	25.27	233.33
11.52	1.70	35.39	226.01
11.54	1.78	43.05	226.62
11.56	1.92	49.50	222.95
11.58	2.08	50.39	222.95
11.60	2.12	44.27	217.46
11.62	2.10	38.94	225.40
11.64	2.08	31.72	235.16
11.66	1.95	28.83	238.83
11.68	1.80	26.06	241.88
11.70	1.60	23.39	247.99
11.72	1.66	24.50	254.09
11.74	1.67	29.17	250.43
11.76	1.67	34.61	252.26
11.78	1.72	40.72	253.48
11.80	1.78	49.06	255.92
11.82	1.86	53.06	261.42
11.84	1.92	54.06	249.21
11.86	1.95	63.39	238.22
11.88	1.91	72.39	231.50
11.90	1.87	76.83	224.79
11.92	1.87	82.50	224.79
11.94	1.78	83.72	216.85
11.96	1.66	84.06	207.08
11.98	1.51	86.61	199.76
12.00	1.28	80.06	199.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	1.10	63.39	190.60
12.04	0.92	54.39	185.71
12.06	0.91	45.61	194.87
12.08	1.15	40.50	213.80
12.10	1.54	38.94	232.72
12.12	1.70	34.16	129.55
12.14	1.57	35.27	125.27
12.16	1.33	40.05	133.21
12.18	1.16	44.49	102.69
12.20	1.10	49.27	111.84
12.22	0.96	61.05	116.73
12.24	0.78	52.18	235.16
12.26	0.78	45.84	228.45
12.28	0.96	44.51	227.23
12.30	1.16	50.40	246.15
12.32	1.08	46.07	214.41
12.34	0.86	44.40	203.42
12.36	0.76	47.85	211.36
12.38	0.78	44.40	224.79
12.40	0.79	41.18	229.67
12.42	0.84	34.18	233.33
12.44	0.75	30.18	225.40
12.46	0.67	27.85	224.18
12.48	0.81	20.29	236.39
12.50	1.40	17.40	253.48
12.52	2.14	16.96	262.64
12.54	2.36	18.52	237.00
12.56	2.25	21.63	102.69
12.58	1.98	29.63	103.30
12.60	1.69	34.52	99.02
12.62	1.43	47.07	97.80
12.64	1.29	52.63	95.97
12.66	1.17	56.63	95.36
12.68	1.02	55.63	108.79
12.70	0.93	40.52	112.45
12.72	0.79	33.52	117.34
12.74	0.78	25.74	126.50
12.76	1.23	21.19	141.76
12.78	1.93	19.74	158.24
12.80	2.39	21.63	164.96
12.82	2.66	28.08	163.13
12.84	2.79	31.74	158.85
12.86	3.31	33.30	165.57
12.88	4.04	36.63	170.45
12.90	5.10	39.41	188.77
12.92	6.02	40.07	185.10
12.94	6.64	42.52	189.99
12.96	7.21	39.52	199.15
12.98	7.66	34.07	205.86
13.00	7.97	33.97	211.36



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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	8.16	34.52	215.63
13.04	8.37	36.63	219.90
13.06	8.53	40.74	223.57
13.08	8.63	46.63	226.62
13.10	8.74	51.30	230.28
13.12	8.81	54.85	233.33
13.14	8.93	57.30	236.39
13.16	9.07	57.74	238.22
13.18	9.22	57.07	185.10
13.20	9.44	56.52	169.84
13.22	9.60	46.28	188.77
13.24	9.96	46.72	188.16
13.26	10.30	48.61	189.99
13.28	10.63	50.72	188.16
13.30	10.96	51.28	113.68
13.32	11.21	51.28	103.30
13.34	11.26	51.84	103.30
13.36	10.94	54.61	102.69
13.38	10.66	55.95	104.52
13.40	10.53	56.83	109.40
13.42	10.51	57.94	111.84
13.44	10.39	57.72	114.90
13.46	10.04	56.27	115.51
13.48	9.43	54.83	113.06
13.50	8.91	51.71	113.06
13.52	8.55	49.16	115.51
13.54	8.42	47.82	119.78
13.56	8.55	46.60	127.72
13.58	9.03	45.04	136.87
13.60	9.66	42.48	141.15
13.62	10.07	40.93	147.25
13.64	10.06	40.59	149.08
13.66	9.76	40.92	147.25
13.68	9.20	41.36	142.98
13.70	8.48	42.58	137.48
13.72	7.86	45.47	133.21
13.74	7.35	47.57	131.99
13.76	7.08	49.35	131.38
13.78	7.09	50.35	136.87
13.80	7.50	49.79	145.42
13.82	8.13	47.35	152.14
13.84	8.23	44.12	152.14
13.86	8.28	40.67	152.75
13.88	8.39	37.45	153.97
13.90	8.82	35.11	158.85
13.92	9.43	32.89	163.13
13.94	10.22	34.55	168.62
13.96	11.26	36.22	158.85
13.98	12.52	38.89	162.52
14.00	13.74	42.55	120.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	14.47	46.22	135.65
14.04	14.83	48.44	144.20
14.06	14.94	49.33	150.31
14.08	14.70	51.43	149.08
14.10	13.84	56.77	141.76
14.12	12.86	60.99	137.48
14.14	12.24	63.99	138.10
14.16	11.95	65.77	141.15
14.18	11.95	67.43	148.47
14.20	11.86	64.21	153.36
14.22	11.28	57.31	136.87
14.24	10.18	54.53	124.66
14.26	9.30	53.53	117.95
14.28	8.77	52.76	113.68
14.30	8.30	51.87	112.45
14.32	7.93	50.31	109.40
14.34	7.63	48.98	108.79
14.36	7.43	46.20	107.57
14.38	7.25	42.65	108.18
14.40	7.17	39.98	107.57
14.42	7.12	38.31	108.18
14.44	7.05	37.09	108.79
14.46	7.11	36.08	108.18
14.48	7.12	34.97	108.18
14.50	7.15	33.75	110.01
14.52	7.28	32.64	110.62
14.54	7.39	32.19	113.06
14.56	7.39	31.41	113.06
14.58	7.47	31.86	114.29
14.60	7.49	31.97	114.29
14.62	7.58	31.64	114.90
14.64	7.70	31.97	115.51
14.66	7.80	32.86	116.73
14.68	8.04	33.86	119.17
14.70	8.40	34.08	122.22
14.72	8.93	34.53	125.89
14.74	9.22	35.75	128.94
14.76	9.50	37.75	131.38
14.78	9.93	39.19	135.04
14.80	10.56	39.97	139.93
14.82	11.29	40.75	146.03
14.84	11.95	42.42	150.92
14.86	12.16	43.31	151.53
14.88	11.88	45.75	147.86
14.90	11.36	47.42	143.59
14.92	10.77	50.19	138.71
14.94	9.78	50.53	130.77
14.96	8.63	52.42	122.22
14.98	7.76	52.08	116.73
15.00	7.11	50.87	114.29

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	6.75	48.97	111.84
15.04	6.54	46.76	111.84
15.06	6.30	44.31	111.84
15.08	6.22	41.86	111.23
15.10	6.30	39.30	112.45
15.12	6.18	37.53	114.29
15.14	6.21	37.08	112.45
15.16	6.22	37.08	113.68
15.18	6.31	38.30	114.29
15.20	6.36	39.32	110.01
15.22	6.46	42.65	107.57
15.24	6.38	44.43	103.30
15.26	6.29	46.21	99.63
15.28	6.35	47.99	98.41
15.30	6.38	49.10	98.41
15.32	6.41	49.88	97.80
15.34	6.42	50.44	97.80
15.36	6.42	50.88	97.19
15.38	6.36	50.99	95.36
15.40	6.34	51.22	95.97
15.42	6.40	50.88	96.58
15.44	6.49	50.66	97.19
15.46	6.47	51.43	94.75
15.48	6.35	51.43	94.14
15.50	6.29	50.88	94.14
15.52	6.28	49.99	93.53
15.54	6.17	50.21	92.92
15.56	6.00	49.43	91.70
15.58	5.77	47.77	89.87
15.60	5.59	46.10	88.03
15.62	5.50	45.10	87.42
15.64	5.49	45.10	89.26
15.66	5.50	45.99	88.64
15.68	5.58	43.65	91.09
15.70	5.73	42.10	92.31
15.72	5.88	41.10	92.92
15.74	6.04	39.88	95.97
15.76	6.23	38.32	97.19
15.78	6.45	37.66	100.85
15.80	6.87	36.99	101.47
15.82	7.16	37.66	105.74
15.84	7.49	38.88	108.18
15.86	7.70	39.54	110.01
15.88	7.95	41.10	112.45
15.90	8.02	42.99	111.23
15.92	7.93	44.21	110.62
15.94	7.90	44.99	110.01
15.96	7.94	46.54	110.62
15.98	7.92	47.76	110.62
16.00	7.89	48.43	110.01

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	7.83	49.10	111.23
16.04	7.77	49.88	111.84
16.06	7.73	49.77	111.23
16.08	7.61	50.32	110.62
16.10	7.53	51.10	110.62
16.12	7.42	50.54	110.62
16.14	7.40	50.43	108.79
16.16	7.19	51.43	107.57
16.18	7.26	46.90	117.34
16.20	7.44	47.57	117.95
16.22	7.47	47.57	115.51
16.24	7.46	46.90	114.90
16.26	7.49	46.68	114.90
16.28	7.71	46.90	117.95
16.30	7.95	46.79	123.44
16.32	8.42	47.02	125.89
16.34	8.97	47.23	133.82
16.36	9.55	47.46	138.71
16.38	9.86	48.68	141.15
16.40	10.01	49.35	142.37
16.42	10.06	50.57	143.59
16.44	10.00	52.45	143.59
16.46	9.69	54.57	138.10
16.48	9.44	55.57	137.48
16.50	9.30	56.01	138.10
16.52	9.31	56.45	141.15
16.54	9.34	56.45	143.59
16.56	9.44	56.45	148.47
16.58	9.51	56.23	151.53
16.60	9.69	56.45	156.41
16.62	9.90	56.45	160.68
16.64	10.30	56.78	164.35
16.66	10.79	57.11	172.89
16.68	11.35	57.33	178.39
16.70	12.08	58.89	187.55
16.72	12.71	59.00	194.26
16.74	12.84	60.33	196.70
16.76	12.70	62.32	194.26
16.78	12.67	65.44	194.26
16.80	12.80	69.10	193.04
16.82	12.90	72.10	150.31
16.84	12.95	74.87	154.58
16.86	12.83	76.87	153.36
16.88	12.78	78.65	158.85
16.90	12.59	78.65	161.90
16.92	12.29	78.65	161.90
16.94	11.80	78.64	157.63
16.96	11.24	78.87	156.41
16.98	10.58	78.30	152.75
17.00	9.92	77.08	150.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	9.51	76.30	149.69
17.04	9.27	74.41	150.31
17.06	9.07	71.85	153.36
17.08	9.01	69.08	155.80
17.10	8.95	64.96	157.02
17.12	8.95	60.40	160.07
17.14	8.87	56.40	160.68
17.16	8.69	50.95	142.37
17.18	8.53	49.18	138.71
17.20	8.52	48.51	136.26
17.22	8.51	47.85	136.26
17.24	8.46	47.51	135.04
17.26	8.41	47.51	133.82
17.28	8.48	47.85	135.04
17.30	8.71	48.40	137.48
17.32	8.88	48.07	140.54
17.34	9.12	48.96	144.20
17.36	9.52	49.96	149.69
17.38	9.69	50.29	149.08
17.40	9.48	51.40	142.98
17.42	9.36	50.96	141.15
17.44	9.35	51.63	141.15
17.46	9.41	52.07	144.20
17.48	9.77	52.96	150.31
17.50	10.29	54.18	155.80
17.52	11.04	54.96	166.79
17.54	12.29	55.40	174.73
17.56	13.82	55.85	185.71
17.58	14.71	57.40	194.26
17.60	14.85	60.07	196.09
17.62	14.35	62.73	190.60
17.64	13.17	66.96	178.39
17.66	11.80	69.40	166.79
17.68	10.47	72.51	157.02
17.70	9.28	74.29	149.69
17.72	8.15	74.95	142.37
17.74	7.52	72.07	138.10
17.76	7.52	74.51	144.20
17.78	8.23	69.28	154.58
17.80	9.38	68.40	168.62
17.82	10.33	74.39	172.89
17.84	11.28	61.50	150.31
17.86	11.35	57.39	131.38
17.88	10.30	64.05	119.17
17.90	8.93	69.50	107.57
17.92	7.29	72.94	99.63
17.94	6.27	68.94	90.48
17.96	5.69	86.72	95.36
17.98	5.80	90.38	102.08
18.00	6.69	119.71	113.06

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	8.80	127.94	136.87
18.04	10.69	127.16	149.69
18.06	11.58	121.38	147.86
18.08	12.12	108.05	158.85
18.10	12.44	98.04	156.41
18.12	12.70	92.04	160.68
18.14	12.92	70.26	163.13
18.16	13.19	43.82	175.95
18.18	13.64	41.37	177.17
18.20	13.03	45.82	167.40
18.22	11.85	53.37	156.41
18.24	10.72	58.26	147.86
18.26	10.01	55.93	143.59
18.28	9.64	54.26	145.42
18.30	9.36	54.59	146.64
18.32	9.33	53.48	149.69
18.34	9.35	50.59	156.41
18.36	9.48	48.48	161.90
18.38	9.53	46.70	165.57
18.40	9.70	44.36	171.67
18.42	10.12	43.03	178.39
18.44	10.70	42.58	185.71
18.46	11.55	43.02	188.77
18.48	12.88	44.46	192.43
18.50	14.59	46.79	210.74
18.52	16.08	48.46	154.58
18.54	17.33	52.57	158.24
18.56	18.03	58.46	162.52
18.58	18.31	63.90	168.62
18.60	18.22	69.01	174.11
18.62	17.45	75.67	173.50
18.64	16.26	81.56	170.45
18.66	14.64	86.45	163.74
18.68	13.10	88.78	155.80
18.70	11.93	89.55	151.53
18.72	11.23	87.77	152.14
18.74	10.70	84.44	152.14
18.76	10.30	78.88	155.19
18.78	10.06	71.76	158.85
18.80	9.93	64.54	163.74
18.82	9.98	58.65	164.35
18.84	10.00	52.75	170.45
18.86	10.10	49.31	173.50
18.88	10.12	46.75	173.50
18.90	10.12	44.08	176.56
18.92	10.21	43.30	177.17
18.94	10.34	44.07	179.00
18.96	10.46	44.18	182.05
18.98	10.79	43.18	185.71
19.00	11.23	42.51	187.55

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	11.45	42.95	191.21
19.04	11.45	45.28	191.21
19.06	11.56	45.62	191.21
19.08	11.69	45.61	194.26
19.10	11.97	45.27	198.53
19.12	12.14	46.16	200.37
19.14	11.90	47.27	195.48
19.16	11.36	48.73	186.94
19.18	11.27	47.95	180.83
19.20	11.38	47.18	179.61
19.22	11.59	47.96	180.83
19.24	11.77	48.96	182.05
19.26	11.97	49.96	166.79
19.28	12.50	50.18	167.40
19.30	13.26	50.41	179.00
19.32	14.15	49.63	188.77
19.34	14.23	48.74	186.94
19.36	13.74	49.18	181.44
19.38	13.23	50.40	178.39
19.40	12.87	52.74	177.17
19.42	12.62	54.07	179.00
19.44	12.58	55.51	182.66
19.46	12.69	55.40	186.94
19.48	12.75	54.62	192.43
19.50	12.65	54.29	191.21
19.52	12.68	52.84	194.26
19.54	12.65	52.28	195.48
19.56	12.70	50.62	193.65
19.58	12.47	50.28	193.04
19.60	12.29	50.62	192.43
19.62	12.23	50.39	193.04
19.64	12.28	50.95	196.70
19.66	12.50	51.05	202.20
19.68	12.91	51.05	205.86
19.70	13.35	50.94	213.19
19.72	13.80	50.27	171.06
19.74	14.19	50.94	164.96
19.76	14.67	52.27	171.06
19.78	15.12	51.82	171.67
19.80	15.61	53.60	172.28
19.82	16.03	55.37	175.34
19.84	16.47	56.93	178.39
19.86	17.32	60.82	184.49
19.88	17.82	68.59	186.94
19.90	18.68	66.37	200.37
19.92	19.17	67.04	196.70
19.94	19.78	69.37	196.09
19.96	19.79	69.48	207.08
19.98	19.19	79.37	204.03
20.00	18.16	81.25	199.76

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	17.04	74.47	194.26
20.04	16.54	74.80	196.09
20.06	16.42	74.69	203.42
20.08	16.48	77.47	213.80
20.10	16.74	75.46	222.95
20.12	16.84	67.46	229.67
20.14	16.18	67.36	173.50
20.16	15.58	64.92	162.52
20.18	14.87	64.70	157.02
20.20	14.53	65.70	157.02
20.22	14.52	65.70	159.46
20.24	14.69	62.59	164.35
20.26	14.85	59.14	165.57
20.28	14.96	58.14	172.28
20.30	15.11	57.59	175.34
20.32	15.31	56.59	182.66
20.34	15.46	56.14	185.71
20.36	15.75	56.59	193.04
20.38	16.08	56.91	200.98
20.40	16.51	58.14	208.30
20.42	16.88	57.80	216.24
20.44	17.09	58.58	223.57
20.46	17.15	58.58	225.40
20.48	17.02	59.13	225.40
20.50	16.62	59.46	222.95
20.52	15.81	59.79	215.02
20.54	14.51	60.13	202.81
20.56	12.83	61.79	185.71
20.58	11.46	61.01	175.95
20.60	10.68	58.90	168.01
20.62	10.01	56.67	164.35
20.64	9.64	54.23	162.52
20.66	9.25	51.67	159.46
20.68	8.98	48.56	159.46
20.70	8.91	44.67	161.29
20.72	8.95	41.77	163.13
20.74	9.05	40.55	163.74
20.76	9.24	38.88	164.96
20.78	9.40	38.10	166.79
20.80	9.60	37.43	166.18
20.82	9.86	36.99	168.01
20.84	10.13	37.32	169.23
20.86	10.43	38.21	170.45
20.88	10.72	39.32	172.28
20.90	11.13	40.43	175.95
20.92	11.80	41.88	181.44
20.94	12.78	42.99	189.99
20.96	13.97	44.32	203.42
20.98	15.31	45.21	217.46
21.00	16.17	47.77	226.01

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	16.30	51.55	227.23
21.04	16.31	54.44	224.79
21.06	16.10	58.88	223.57
21.08	16.25	63.88	226.01
21.10	16.64	68.22	234.55
21.12	17.17	72.33	246.76
21.14	17.63	73.13	253.48
21.16	18.42	73.03	255.31
21.18	19.16	73.58	263.25
21.20	19.93	73.91	262.64
21.22	20.56	75.47	265.08
21.24	21.30	79.36	270.57
21.26	22.16	87.92	282.17
21.28	23.95	112.25	291.33
21.30	23.35	118.03	251.65
21.32	23.73	151.14	260.81
21.34	24.54	155.24	277.90
21.36	25.39	156.03	287.67
21.38	26.07	160.69	295.60
21.40	26.47	154.91	263.25
21.42	26.54	151.69	268.74
21.44	26.72	146.13	278.51
21.46	27.19	127.79	296.83
21.48	27.53	124.78	309.04
21.50	27.26	128.78	311.48
21.52	26.64	135.00	310.87
21.54	25.97	141.44	310.26
21.56	24.83	145.43	299.27
21.58	23.71	145.99	290.11
21.60	22.25	146.31	277.90
21.62	20.73	146.74	264.47
21.64	18.58	146.07	244.32
21.66	16.35	141.07	223.57
21.68	14.87	132.17	214.41
21.70	13.92	122.16	210.13
21.72	13.29	114.16	209.52
21.74	12.90	105.04	208.91
21.76	12.81	94.37	215.02
21.78	13.09	83.25	219.29
21.80	13.76	73.68	227.23
21.82	14.54	69.12	235.78
21.84	15.51	64.78	247.37
21.86	16.86	61.89	259.58
21.88	18.28	60.77	270.57
21.90	19.52	59.32	275.46
21.92	20.10	65.21	271.79
21.94	20.44	74.10	269.35
21.96	20.67	82.76	269.35
21.98	20.49	101.43	262.03
22.00	20.93	103.87	271.18

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12\04\11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	21.57	114.31	253.48
22.04	22.72	107.09	273.02
22.06	23.96	103.65	290.72
22.08	24.32	100.76	289.50
22.10	20.34	124.03	266.30
22.12	23.16	91.92	211.36
22.14	22.73	94.25	207.69
22.16	22.48	98.26	207.08
22.18	22.18	98.37	207.08
22.20	22.15	102.71	208.30
22.22	22.15	104.93	216.24
22.24	22.06	107.37	219.29
22.26	21.98	109.60	225.40
22.28	22.25	112.26	235.16
22.30	22.40	114.93	242.49
22.32	22.23	120.04	245.54
22.34	22.23	121.48	225.40
22.36	22.23	124.03	228.45
22.38	22.13	125.14	229.67
22.40	22.17	125.57	237.61
22.42	22.26	127.24	243.71
22.44	22.32	130.23	247.37
22.46	22.73	131.67	257.14
22.48	23.31	132.67	267.52
22.50	24.02	130.78	281.56
22.52	24.17	134.33	285.84
22.54	24.81	139.43	293.77
22.56	25.37	141.32	294.99
22.58	26.09	143.32	295.60
22.60	26.50	148.32	293.16
22.62	26.79	152.66	288.28
22.64	26.82	160.10	282.78
22.66	26.62	168.77	269.35
22.68	27.16	167.88	268.13
22.70	27.32	169.44	258.36
22.72	27.52	170.55	251.65
22.74	27.87	167.33	249.21
22.76	28.02	166.11	249.82
22.78	28.19	163.66	256.53
22.80	28.28	160.33	262.03
22.82	28.43	161.11	271.79
22.84	28.55	161.77	283.39
22.86	28.91	160.10	299.27
22.88	29.04	157.88	313.31
22.90	29.04	155.76	324.91
22.92	29.02	154.54	335.29
22.94	28.77	155.31	340.78
22.96	28.27	154.08	339.56
22.98	27.49	153.53	335.90
23.00	26.60	152.08	326.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	25.42	149.63	313.31
23.04	24.02	146.97	293.77
23.06	22.97	142.18	276.68
23.08	21.62	135.62	254.09
23.10	19.72	142.07	222.34
23.12	17.63	148.64	198.53
23.14	17.99	173.97	212.58
23.16	21.47	204.97	187.55
23.18	22.86	177.52	196.09
23.20	25.69	128.19	187.55
23.22	23.49	96.30	200.98
23.24	21.17	158.63	182.05
23.26	21.16	169.73	200.37
23.28	18.27	134.50	177.17
23.30	13.17	138.83	136.26
23.32	9.92	154.28	119.17
23.34	6.80	167.16	110.01
23.36	4.57	184.37	106.35
23.38	3.48	192.15	99.63
23.40	2.65	231.71	172.89
23.42	2.09	225.48	263.86
23.44	2.11	213.04	700.37
23.46	2.26	203.48	711.97
23.48	2.15	169.25	780.34
23.50	1.97	127.91	840.78
23.52	1.96	75.35	713.19
23.54	2.20	62.79	695.48
23.56	2.35	50.35	727.84
23.58	2.60	51.67	689.99
23.60	2.91	59.34	648.47
23.62	3.03	72.89	576.43
23.64	3.05	83.11	550.79
23.66	3.60	93.33	525.15
23.68	4.89	114.45	753.48
23.70	6.69	123.56	673.50
23.72	8.07	125.33	639.32
23.74	9.13	112.56	637.48
23.76	10.36	98.67	641.76
23.78	11.50	101.45	655.80
23.80	12.12	103.34	646.64
23.82	12.22	93.12	607.57
23.84	11.91	97.45	565.45
23.86	11.83	101.90	543.47
23.88	12.03	104.90	541.03
23.90	12.22	101.79	541.64
23.92	12.19	100.24	531.87
23.94	12.20	98.46	525.15
23.96	12.16	97.69	521.49
23.98	12.09	91.03	515.38
24.00	11.96	84.25	509.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	11.61	86.69	497.07
24.04	11.27	91.36	485.47
24.06	11.08	100.03	479.36
24.08	10.99	105.25	475.70
24.10	10.92	95.38	356.04
24.12	10.94	90.94	346.89
24.14	10.17	94.05	323.08
24.16	9.65	98.83	309.65
24.18	9.76	99.39	313.92
24.20	9.18	102.17	299.88
24.22	9.11	101.17	297.44
24.24	10.16	112.84	326.74
24.26	11.56	124.62	360.93
24.28	11.87	116.73	363.98
24.30	11.81	109.83	362.15
24.32	11.12	92.72	345.05
24.34	10.21	67.72	325.52
24.36	9.91	71.50	322.47
24.38	9.67	69.05	323.69
24.40	9.30	71.72	320.02
24.42	9.05	75.94	317.58
24.44	8.88	77.94	316.36
24.46	8.82	79.71	316.97
24.48	8.61	73.15	312.09
24.50	8.44	63.26	309.04
24.52	8.35	61.37	309.65
24.54	8.22	60.81	309.65
24.56	8.20	63.92	310.87
24.58	7.88	68.92	301.10
24.60	6.87	73.14	274.85
24.62	5.74	80.59	252.87
24.64	5.24	102.37	245.54
24.66	5.59	114.36	258.97
24.68	6.32	115.36	273.63
24.70	6.78	109.70	277.29
24.72	6.56	96.81	265.69
24.74	5.91	79.14	249.82
24.76	5.21	68.59	247.99
24.78	4.78	66.91	259.58
24.80	4.69	73.58	269.35
24.82	4.86	76.69	285.23
24.84	5.29	77.25	299.27
24.86	5.34	75.47	287.06
24.88	4.73	62.69	271.79
24.90	4.09	50.47	287.06
24.92	3.89	54.80	319.41
24.94	3.76	66.58	329.79
24.96	3.57	70.47	324.91
24.98	3.79	65.14	349.94
25.00	4.24	64.47	373.75

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12\04\11

Preforo 1.00 m. p.c. Falda ml

Prova 2

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	4.24	69.03	339.56
25.04	3.53	64.47	287.67
25.06	2.75	51.03	274.85
25.08	2.12	45.26	310.87
25.10	1.75	53.31	510.50
25.12	1.41	52.54	518.44
25.14	1.24	48.43	636.87
25.16	1.16	42.65	709.52
25.18	1.19	36.54	783.39
25.20	1.34	30.32	860.93
25.22	1.46	23.88	862.15
25.24	1.43	24.10	801.71
25.26	1.26	24.21	780.34
25.28	1.20	22.22	822.47
25.30	1.18	21.55	849.33
25.32	1.19	21.44	860.93
25.34	1.20	21.66	870.08
25.36	1.19	22.44	873.75
25.38	1.18	22.78	879.85
25.40	1.19	22.00	897.56
25.42	1.20	21.56	912.21
25.44	1.23	20.79	936.02
25.46	1.39	20.79	978.75
25.48	1.64	21.12	1023.93
25.50	1.96	22.34	1066.06
25.52	2.64	27.23	1140.54
25.54	3.44	34.35	1227.84
25.56	4.06	48.46	1385.96
25.58	4.59	74.02	1588.64
25.60	4.79	101.90	1708.91
25.62	4.37	128.57	1520.88
25.64	4.00	165.24	992.80
25.66	3.44	228.13	737.61
25.68	2.89	281.47	625.27
25.70	2.72	315.69	588.03
25.72	2.45	329.92	556.29
25.74	2.14	338.03	594.75
25.76	2.15	324.36	615.51
25.78	2.00	278.68	610.01
25.80	1.80	236.24	612.45
25.82	1.72	204.35	612.45
25.84	1.59	181.90	617.95
25.86	1.49	158.45	623.44
25.88	1.37	133.79	622.22
25.90	1.30	110.67	631.99
25.92	1.25	82.00	646.03
25.94	1.22	61.33	656.41
25.96	1.17	49.77	659.46
25.98	1.13	41.77	660.07
26.00	1.12	38.32	662.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	1.13	34.87	665.57
26.04	1.20	32.87	672.28
26.06	1.24	33.76	674.72
26.08	1.46	28.36	728.45
26.10	1.57	34.58	714.41
26.12	1.71	36.47	713.80
26.14	1.86	39.70	703.42
26.16	2.10	44.25	703.42
26.18	2.36	50.36	696.09
26.20	2.71	57.70	687.55
26.22	3.28	62.15	699.14
26.24	4.09	65.04	713.80
26.26	4.90	67.48	711.97
26.28	5.42	58.04	701.59
26.30	5.90	45.49	702.81
26.32	6.38	41.15	702.81
26.34	6.79	41.93	523.32
26.36	7.07	42.93	527.59
26.38	7.47	47.60	535.53
26.40	7.78	52.27	539.19
26.42	7.83	55.94	531.26
26.44	7.36	60.94	496.46
26.46	5.94	69.16	429.30
26.48	4.68	73.05	373.14
26.50	3.71	81.72	342.61
26.52	3.08	107.83	329.79
26.54	2.63	127.27	324.30
26.56	2.13	137.27	328.57
26.58	1.85	135.71	340.17
26.60	1.49	127.27	420.76
26.62	1.40	114.27	602.69
26.64	1.39	95.71	674.11
26.66	1.33	72.49	689.38
26.68	1.30	57.93	715.63
26.70	1.31	44.82	746.15
26.72	1.38	35.82	770.57
26.74	1.44	32.04	790.11
26.76	1.57	30.26	801.71
26.78	1.79	32.93	805.98
26.80	2.13	36.59	798.05
26.82	2.66	43.59	768.74
26.84	3.36	51.15	699.14
26.86	3.98	56.25	645.42
26.88	4.67	60.15	622.22
26.90	5.12	60.93	595.97
26.92	5.33	52.48	579.49
26.94	5.57	45.04	578.88
26.96	5.88	46.81	588.03
26.98	6.53	54.70	620.39
27.00	7.38	63.93	661.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	8.97	79.82	743.10
27.04	11.35	106.93	843.83
27.06	12.60	125.93	861.54
27.08	12.60	117.28	631.38
27.10	12.77	105.95	619.17
27.12	12.68	94.17	608.18
27.14	12.77	94.17	612.45
27.16	13.03	96.17	634.43
27.18	13.36	94.28	663.13
27.20	13.54	88.06	687.55
27.22	13.71	90.84	710.74
27.24	13.84	96.72	732.72
27.26	13.97	99.50	757.75
27.28	14.12	99.72	782.17
27.30	14.33	102.72	811.48
27.32	14.50	111.38	840.17
27.34	14.41	121.04	852.38
27.36	14.00	126.60	844.44
27.38	13.45	130.15	828.57
27.40	12.90	133.15	810.26
27.42	12.31	136.36	790.11
27.44	11.75	137.14	770.57
27.46	11.52	132.13	767.52
27.48	11.75	125.24	793.77
27.50	12.11	122.68	824.30
27.52	12.32	123.56	848.72
27.54	12.48	125.11	867.64
27.56	12.43	130.77	874.36
27.58	11.93	137.43	845.05
27.60	12.08	141.32	859.71
27.62	12.99	146.87	928.08
27.64	13.63	151.53	962.88
27.66	13.12	151.75	928.08
27.68	12.50	143.63	889.01
27.70	12.00	137.51	864.59
27.72	11.70	128.51	854.21
27.74	11.41	128.17	844.44
27.76	11.32	136.83	848.11
27.78	11.44	141.50	859.10
27.80	11.75	135.05	882.29
27.82	12.05	131.04	904.88
27.84	11.93	125.15	896.95
27.86	11.56	116.59	870.70
27.88	11.13	105.03	841.39
27.90	10.99	97.25	834.68
27.92	11.25	94.80	852.99
27.94	11.58	96.58	878.63
27.96	11.76	97.13	895.12
27.98	11.81	98.91	898.17
28.00	11.72	99.68	887.18

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12\04\11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. **426/2011**

Emesso il **12/04/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	11.67	100.56	882.91
28.04	11.54	104.90	879.24
28.06	11.44	108.45	871.31
28.08	11.14	111.03	573.38
28.10	11.39	107.37	575.82
28.12	11.20	112.59	559.95
28.14	10.97	120.15	548.35
28.16	10.58	126.48	532.48
28.18	10.25	129.37	519.66
28.20	9.94	127.81	509.28
28.22	9.73	124.82	501.95
28.24	9.33	122.26	487.30
28.26	8.88	116.82	472.65
28.28	8.58	110.93	462.27
28.30	8.41	105.15	455.56
28.32	8.23	97.15	449.45
28.34	8.02	87.70	442.12
28.36	7.71	84.26	429.30
28.38	8.22	84.14	453.11
28.40	9.45	87.81	496.46
28.42	10.10	83.03	514.16
28.44	10.31	88.69	511.72
28.46	9.79	69.80	488.52
28.48	8.98	72.24	458.00
28.50	8.44	85.13	437.24
28.52	8.27	92.24	432.36
28.54	8.45	96.91	441.51
28.56	8.78	111.69	454.33
28.58	9.14	120.13	468.99
28.60	9.26	119.58	472.04
28.62	8.90	108.91	452.50
28.64	7.93	92.91	414.04
28.66	6.14	92.24	352.38
28.68	4.03	108.57	290.11
28.70	2.67	125.13	258.36
28.72	1.82	145.13	241.27
28.74	1.39	146.68	295.60
28.76	1.45	135.13	430.52
28.78	1.58	122.13	558.73
28.80	1.82	104.35	630.16
28.82	1.94	87.02	654.58
28.84	1.82	69.57	697.92
28.86	1.53	46.79	749.21
28.88	1.41	37.46	971.43
28.90	1.38	34.01	981.20
28.92	1.37	35.01	940.29
28.94	1.37	38.79	914.04
28.96	1.40	42.57	929.30
28.98	1.53	41.80	923.20
29.00	1.55	39.24	878.02

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	1.47	39.24	827.35
29.04	1.39	40.03	838.34
29.06	1.36	36.92	855.43
29.08	1.38	30.11	873.75
29.10	1.43	31.44	866.42
29.12	1.40	31.55	878.02
29.14	1.37	30.89	881.68
29.16	1.34	29.79	884.13
29.18	1.31	29.45	890.23
29.20	1.27	29.12	896.95
29.22	1.25	28.23	903.05
29.24	1.24	26.90	913.43
29.26	1.26	25.23	920.76
29.28	1.26	23.90	913.43
29.30	1.23	23.57	897.56
29.32	1.21	22.80	893.89
29.34	1.25	22.24	905.49
29.36	1.37	20.91	900.00
29.38	1.44	21.25	863.98
29.40	1.38	22.80	813.92
29.42	1.44	24.14	834.07
29.44	1.71	24.14	860.32
29.46	2.21	24.25	872.53
29.48	3.26	33.48	917.70
29.50	4.70	47.93	830.40
29.52	5.55	59.59	636.26
29.54	5.74	59.71	443.96
29.56	5.66	50.04	425.03
29.58	5.39	46.71	409.77
29.60	5.01	45.60	396.95
29.62	4.57	46.60	386.57
29.64	4.13	52.60	381.07
29.66	3.73	66.05	379.24
29.68	3.39	76.27	380.46
29.70	3.07	81.05	400.61
29.72	3.19	83.61	609.40
29.74	3.98	82.06	799.27
29.76	4.49	86.06	826.74
29.78	4.94	99.61	724.18
29.80	5.20	118.28	677.78
29.82	5.92	136.94	677.78
29.84	7.03	158.94	650.30
29.86	7.44	172.83	614.29
29.88	7.38	149.17	577.04
29.90	7.34	152.06	533.09
29.92	7.24	172.50	495.85
29.94	6.94	186.27	459.22
29.96	6.30	202.83	420.15
29.98	5.86	209.71	396.95
30.00	5.30	213.15	382.30

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	4.95	212.38	398.17
30.04	5.03	210.82	460.44
30.06	6.30	183.67	883.52
30.08	6.15	203.78	679.00
30.10	5.53	220.11	563.00
30.12	5.00	215.00	503.78
30.14	4.58	206.34	531.87
30.16	4.37	194.55	569.11
30.18	4.14	181.11	594.75
30.20	3.88	173.44	600.24
30.22	3.76	168.89	586.81
30.24	3.38	166.99	553.85
30.26	2.94	159.11	556.90
30.28	2.70	143.54	610.62
30.30	2.79	127.43	693.04
30.32	2.68	123.54	720.51
30.34	2.46	112.98	743.10
30.36	2.29	96.98	839.56
30.38	2.46	85.53	919.54
30.40	2.71	76.64	1108.18
30.42	2.99	63.08	1068.50
30.44	2.86	69.97	927.47
30.46	2.69	70.75	972.65
30.48	2.63	73.30	1033.09
30.50	2.51	77.97	1082.54
30.52	2.46	75.97	1100.24
30.54	2.54	80.08	1084.37
30.56	2.51	85.64	1097.80
30.58	2.47	80.08	1072.77
30.60	2.46	81.53	1015.99
30.62	2.43	86.64	1009.89
30.64	2.48	89.53	1059.95
30.66	2.77	88.64	1116.12
30.68	2.81	89.53	1054.46
30.70	2.81	94.43	999.51
30.72	2.59	99.54	1016.60
30.74	2.64	88.76	1033.70
30.76	2.53	91.98	1092.31
30.78	2.68	87.87	1180.83
30.80	2.89	91.43	1239.44
30.82	3.28	83.99	1116.12
30.84	3.40	94.54	984.86
30.86	3.38	112.54	903.05
30.88	3.31	128.44	838.95
30.90	3.20	148.44	794.38
30.92	3.17	168.33	766.30
30.94	3.13	183.55	773.63
30.96	3.26	189.22	789.50
30.98	3.50	191.00	823.69
31.00	3.66	183.11	868.25

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	3.82	168.44	836.51
31.04	3.48	169.33	777.29
31.06	3.64	155.34	820.63
31.08	3.25	163.57	742.49
31.10	2.96	159.57	737.00
31.12	2.77	155.23	713.80
31.14	2.55	156.13	722.95
31.16	2.48	146.46	735.77
31.18	2.46	140.57	748.60
31.20	2.29	129.24	779.12
31.22	2.19	116.68	809.03
31.24	2.12	107.02	845.05
31.26	2.19	99.46	890.23
31.28	2.26	92.68	937.24
31.30	2.41	87.23	981.20
31.32	2.39	86.79	998.29
31.34	2.25	89.34	1008.06
31.36	2.01	86.67	1004.39
31.38	1.89	82.01	989.13
31.40	1.83	81.56	971.43
31.42	1.74	82.56	975.70
31.44	1.72	81.23	1051.40
31.46	1.91	70.57	1117.95
31.48	2.35	64.68	1170.45
31.50	2.92	62.23	1163.12
31.52	3.46	65.01	1084.37
31.54	3.77	73.90	972.04
31.56	3.85	75.79	914.65
31.58	4.21	84.12	885.35
31.60	4.44	92.13	844.44
31.62	4.41	95.24	792.55
31.64	4.48	100.24	760.19
31.66	4.48	100.35	716.24
31.68	4.06	99.13	655.80
31.70	3.55	91.46	611.23
31.72	3.08	85.46	578.88
31.74	2.72	83.80	557.51
31.76	2.18	84.91	527.59
31.78	1.71	76.03	536.75
31.80	1.53	67.91	668.01
31.82	1.56	60.36	863.37
31.84	1.61	53.70	898.78
31.86	1.57	51.25	932.36
31.88	1.65	46.03	982.42
31.90	1.77	41.36	1006.23
31.92	1.98	38.14	1047.13
31.94	2.26	36.14	1036.75
31.96	2.37	41.48	951.89
31.98	2.41	54.92	890.84
32.00	2.13	59.25	921.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	2.04	58.70	820.63
32.04	1.88	62.70	862.76
32.06	1.99	53.84	875.58
32.08	2.08	62.62	807.20
32.10	1.75	67.07	770.57
32.12	1.55	64.62	829.79
32.14	1.59	56.74	928.08
32.16	1.64	50.52	990.96
32.18	1.64	45.63	976.31
32.20	1.47	46.40	979.97
32.22	1.45	42.96	1010.50
32.24	1.47	37.52	1047.13
32.26	1.55	33.19	1075.82
32.28	1.57	31.74	1077.04
32.30	1.59	33.52	1074.60
32.32	1.62	34.74	1073.38
32.34	1.64	35.30	1069.72
32.36	1.67	38.19	1070.33
32.38	1.84	42.19	1095.36
32.40	2.11	44.63	1065.44
32.42	2.39	50.30	985.47
32.44	2.50	58.75	902.44
32.46	2.41	72.64	846.89
32.48	2.29	81.64	816.36
32.50	2.13	87.30	780.34
32.52	1.97	90.53	769.96
32.54	1.83	89.30	782.17
32.56	1.79	86.86	816.36
32.58	1.80	79.97	878.02
32.60	1.92	71.53	927.47
32.62	2.10	66.64	922.59
32.64	2.52	64.86	970.21
32.66	4.35	65.08	1180.22
32.68	7.63	71.20	1259.58
32.70	10.09	74.86	1033.09
32.72	11.34	68.97	1039.19
32.74	12.02	60.53	1052.01
32.76	12.30	58.42	1052.01
32.78	12.30	63.86	816.36
32.80	12.34	68.19	838.95
32.82	12.40	72.52	862.76
32.84	12.16	78.08	867.03
32.86	12.07	83.30	877.41
32.88	12.37	90.63	918.92
32.90	12.21	102.07	914.65
32.92	11.39	104.74	855.43
32.94	10.95	106.29	844.44
32.96	11.97	120.07	931.13
32.98	14.37	135.29	1128.94
33.00	15.54	130.40	1222.95

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	15.68	140.84	1233.94
33.04	14.55	124.14	1125.27
33.06	14.93	127.36	1139.32
33.08	14.43	137.14	1093.53
33.10	14.14	153.25	1080.71
33.12	13.78	163.02	1068.50
33.14	13.36	183.69	1056.90
33.16	13.10	193.68	1058.73
33.18	12.78	200.68	1056.29
33.20	12.40	197.90	1052.01
33.22	12.19	192.35	1056.29
33.24	12.31	180.45	1089.86
33.26	12.23	169.01	1101.46
33.28	11.37	149.22	1044.08
33.30	10.11	127.22	956.78
33.32	9.23	117.55	907.33
33.34	8.90	122.43	898.17
33.36	8.85	126.54	904.27
33.38	8.89	126.42	907.94
33.40	8.78	130.19	903.05
33.42	8.56	139.97	889.01
33.44	8.68	150.74	901.22
33.46	9.17	161.63	938.46
33.48	9.92	161.96	990.96
33.50	10.12	152.73	997.68
33.52	10.01	144.84	985.47
33.54	9.81	140.73	969.60
33.56	9.41	134.39	942.12
33.58	8.76	126.50	895.12
33.60	7.85	121.72	832.23
33.62	6.48	124.04	737.61
33.64	5.29	132.71	658.85
33.66	4.79	146.81	629.55
33.68	4.59	155.48	616.12
33.70	4.26	161.03	591.70
33.72	3.75	155.59	557.51
33.74	3.17	141.14	522.71
33.76	2.65	119.14	500.12
33.78	2.17	97.69	490.96
33.80	1.70	75.91	504.40
33.82	1.31	55.91	566.67
33.84	1.21	38.91	791.33
33.86	1.45	31.35	885.35
33.88	1.76	29.58	926.86
33.90	1.86	30.13	873.75
33.92	1.67	32.35	820.63
33.94	1.38	31.58	790.11
33.96	1.16	27.24	814.53
33.98	1.16	23.91	907.33
34.00	1.23	21.14	926.25

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **VILLANOVA D.B. - MN -**

Cantiere **SOVRAPASSO N° 109**

Data **12/04/11**

Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	1.34	21.58	948.84
34.04	1.38	23.14	942.12
34.06	1.38	25.44	919.54
34.08	1.37	27.55	961.05
34.10	1.73	25.22	1067.89
34.12	2.29	25.11	1196.09
34.14	2.52	30.45	1246.76
34.16	2.47	38.90	1126.49
34.18	2.32	54.12	985.47
34.20	2.11	70.90	916.48
34.22	1.85	86.68	896.34
34.24	1.67	92.46	916.48
34.26	1.59	94.13	946.40
34.28	1.56	89.79	979.97
34.30	1.57	79.80	1010.50
34.32	1.65	66.91	1026.98
34.34	1.90	55.25	1045.91
34.36	2.26	46.13	1005.62
34.38	2.49	47.36	837.73
34.40	2.71	54.80	814.53
34.42	2.91	56.58	829.79
34.44	3.14	62.36	747.37
34.46	3.20	69.91	698.53
34.48	3.04	70.58	627.72
34.50	2.91	73.81	599.02
34.52	2.78	78.58	606.96
34.54	2.90	85.03	645.42
34.56	3.09	89.25	625.88
34.58	3.13	93.92	588.64
34.60	3.27	99.48	631.99
34.62	3.79	105.70	686.32
34.64	4.25	114.15	663.13
34.66	4.04	120.48	590.48
34.68	3.60	124.15	525.76
34.70	3.28	120.70	517.83
34.72	3.68	120.26	606.35
34.74	4.53	125.59	664.96
34.76	5.21	126.03	661.29
34.78	5.89	122.92	663.74
34.80	7.13	136.36	709.52
34.82	8.73	148.92	788.89
34.84	10.71	135.70	898.17
34.86	12.24	128.92	976.92
34.88	12.58	123.59	968.99
34.90	12.87	121.25	976.92
34.92	13.06	97.25	990.35
34.94	12.67	78.91	968.99
34.96	11.90	64.47	921.37
34.98	11.00	60.14	871.31
35.00	10.40	65.69	849.94

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	10.56	84.68	882.29
35.04	11.06	99.57	842.61
35.06	10.93	120.23	812.09
35.08	10.17	140.79	753.48
35.10	9.12	123.46	689.99
35.12	8.21	123.35	642.98
35.14	7.95	129.68	637.48
35.16	8.43	137.68	671.06
35.18	8.52	155.01	675.34
35.20	7.95	161.12	633.82
35.22	8.54	160.79	668.62
35.24	8.35	131.45	653.36
35.26	6.71	114.89	555.68
35.28	5.48	107.00	496.46
35.30	5.20	111.22	488.52
35.32	5.06	141.89	476.92
35.34	5.03	160.33	483.03
35.36	4.87	168.88	479.98
35.38	4.66	165.88	470.21
35.40	4.29	162.76	450.06
35.42	3.63	139.43	440.29
35.44	3.22	117.76	445.18
35.46	2.88	101.54	483.03
35.48	3.01	87.76	719.29
35.50	3.29	74.42	671.06
35.52	3.07	86.19	644.81
35.54	2.86	94.75	611.23
35.56	2.37	96.86	548.96
35.58	2.00	99.08	532.48
35.60	1.83	98.19	585.59
35.62	1.89	96.86	746.15
35.64	2.40	81.19	871.31
35.66	3.74	73.19	947.01
35.68	6.42	75.08	1086.81
35.70	8.95	82.19	893.89
35.72	10.06	88.63	881.68
35.74	10.09	77.96	851.77
35.76	10.18	71.86	848.72
35.78	10.19	87.97	848.11
35.80	10.43	104.86	865.81
35.82	10.77	115.08	893.89
35.84	11.06	126.08	922.59
35.86	11.39	146.30	956.17
35.88	11.62	150.53	970.21
35.90	11.64	154.08	974.48
35.92	11.71	159.75	982.42
35.94	11.93	161.75	1002.56
35.96	12.22	160.75	1022.10
35.98	12.45	154.97	1043.47
36.00	12.50	147.30	1055.68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	12.45	143.86	1065.44
36.04	11.90	136.99	721.12
36.06	11.95	129.77	718.68
36.08	11.53	128.66	692.43
36.10	11.27	127.22	685.10
36.12	10.90	138.99	673.50
36.14	10.59	149.88	663.74
36.16	10.24	153.21	653.36
36.18	9.88	148.88	644.81
36.20	9.58	145.99	641.15
36.22	9.43	144.32	645.42
36.24	9.42	149.65	655.19
36.26	9.39	148.76	664.35
36.28	9.40	145.98	674.72
36.30	9.35	143.87	682.66
36.32	9.36	142.42	692.43
36.34	9.38	140.19	702.81
36.36	9.43	138.19	715.02
36.38	9.65	133.96	738.83
36.40	10.05	132.07	773.63
36.42	10.57	130.73	817.58
36.44	11.23	129.06	871.31
36.46	12.10	122.95	942.12
36.48	12.38	122.62	973.87
36.50	12.23	119.94	965.93
36.52	12.28	115.39	986.69
36.54	12.38	114.83	1009.28
36.56	12.40	122.05	1028.81
36.58	12.50	124.26	1055.07
36.60	12.55	129.82	1079.49
36.62	12.55	130.70	1098.41
36.64	12.58	123.59	1119.17
36.66	12.72	119.59	1145.42
36.68	12.67	121.80	1161.29
36.70	12.99	114.02	1186.93
36.72	13.16	106.02	1201.59
36.74	13.48	103.58	1230.89
36.76	13.75	101.24	1259.58
36.78	13.85	100.68	1275.46
36.80	13.73	108.79	1274.85
36.82	13.50	118.13	1262.03
36.84	13.27	130.68	1239.44
36.86	12.98	143.79	1211.96
36.88	12.66	154.79	1180.83
36.90	12.38	164.68	1150.91
36.92	12.31	170.13	1135.04
36.94	12.32	174.56	1122.83
36.96	12.42	177.23	1114.90
36.98	12.61	177.67	1116.12
37.00	12.89	176.78	1121.61



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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova **2**

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	12.38	175.81	643.59
37.04	13.27	163.15	679.00
37.06	13.19	160.82	668.01
37.08	12.69	159.48	642.98
37.10	11.72	161.37	597.80
37.12	10.47	158.37	541.03
37.14	8.67	160.71	464.10
37.16	6.87	159.15	399.39
37.18	5.61	176.37	357.26
37.20	5.10	193.48	340.17
37.22	5.24	205.81	345.05
37.24	5.52	210.15	349.94
37.26	5.93	213.26	358.49
37.28	6.16	211.03	354.21
37.30	6.47	211.81	350.55
37.32	6.68	197.80	343.83
37.34	6.64	183.80	332.23
37.36	6.43	162.69	315.75
37.38	6.23	144.24	302.32
37.40	5.92	134.46	286.45
37.42	5.37	119.24	265.69
37.44	4.84	112.24	249.82
37.46	4.49	112.57	244.32
37.48	4.22	117.13	238.22
37.50	3.94	120.57	243.10
37.52	3.72	120.13	258.97
37.54	3.55	118.02	277.29
37.56	3.37	119.24	297.44
37.58	3.19	118.68	316.36
37.60	3.00	112.91	354.82
37.62	2.82	106.35	444.57
37.64	2.72	100.58	499.51
37.66	2.56	97.02	519.66
37.68	2.49	92.91	615.51
37.70	2.49	84.25	693.04
37.72	2.49	81.47	713.19
37.74	2.41	78.70	726.62
37.76	2.26	73.92	746.76
37.78	2.14	70.03	790.72
37.80	2.04	65.04	866.42
37.82	1.98	60.82	918.92
37.84	1.97	61.04	1042.86
37.86	1.97	57.82	1114.28
37.88	1.89	54.94	1113.06
37.90	1.80	55.83	1083.76
37.92	1.66	54.83	1091.70
37.94	1.60	53.39	1091.70
37.96	1.59	49.73	1105.13
37.98	1.60	45.51	1114.28
38.00	1.66	44.51	1110.62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	1.72	45.52	1119.78
38.04	2.03	38.92	1073.99
38.06	2.14	41.48	1081.32
38.08	2.35	44.48	1103.30
38.10	2.63	48.26	1075.82
38.12	2.86	51.81	1019.05
38.14	3.15	57.37	1008.67
38.16	3.55	65.48	992.80
38.18	3.92	76.71	906.10
38.20	4.32	84.48	876.19
38.22	5.78	97.93	1011.72
38.24	8.36	115.48	1139.32
38.26	10.80	127.71	1128.94
38.28	12.12	132.16	1048.35
38.30	12.91	124.82	1001.95
38.32	13.13	115.71	948.84
38.34	13.08	114.94	906.10
38.36	12.83	115.49	882.29
38.38	12.72	104.93	875.58
38.40	13.14	108.83	918.92
38.42	13.55	115.60	958.61
38.44	13.72	123.71	979.97
38.46	13.62	132.04	988.52
38.48	13.45	138.37	990.35
38.50	13.29	146.81	989.74
38.52	13.19	145.81	990.35
38.54	13.08	145.14	979.97
38.56	12.89	139.58	968.38
38.58	12.96	144.91	989.13
38.60	13.25	143.90	1030.04
38.62	13.46	137.68	1059.34
38.64	13.52	127.12	1075.82
38.66	13.47	128.45	1084.37
38.68	13.32	139.66	1092.92
38.70	13.09	150.66	1091.09
38.72	12.93	159.32	1098.41
38.74	12.98	161.43	1119.78
38.76	13.22	165.08	1157.63
38.78	13.68	172.08	1208.91
38.80	14.34	177.30	1269.35
38.82	15.05	183.51	1330.40
38.84	15.28	182.62	1346.27
38.86	15.56	160.50	1378.63
38.88	15.58	155.61	1403.66
38.90	15.76	156.82	1443.34
38.92	16.05	159.82	1492.79
38.94	16.51	157.92	1550.79
38.96	16.84	154.92	1596.58
38.98	17.19	152.36	1642.37
39.00	17.49	162.58	1684.49

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	17.68	169.24	1719.29
39.04	17.39	173.36	1211.96
39.06	17.33	171.47	1193.04
39.08	17.14	174.91	1185.71
39.10	16.74	176.14	1172.89
39.12	16.39	175.58	1166.79
39.14	16.27	173.36	1182.05
39.16	16.42	172.03	1219.90
39.18	16.83	173.36	1285.84
39.20	17.10	174.35	1338.34
39.22	15.51	186.45	1244.32
39.24	16.12	180.89	1298.66
39.26	15.77	181.88	1224.79
39.28	15.63	184.00	1122.22
39.30	15.27	183.66	1034.31
39.32	15.03	184.11	962.88
39.34	14.57	180.34	861.54
39.36	14.36	177.23	752.87
39.38	14.34	171.67	699.76
39.40	14.21	168.79	671.06
39.42	14.03	164.34	645.42
39.44	13.91	162.23	627.72
39.46	13.74	160.12	606.96
39.48	13.69	158.45	591.70
39.50	13.72	152.23	577.04
39.52	13.16	149.12	545.30
39.54	11.86	144.67	483.64
39.56	9.85	149.78	405.49
39.58	7.15	169.01	319.41
39.60	5.23	188.12	266.91
39.62	3.85	225.90	233.33
39.64	3.32	229.79	225.40
39.66	3.05	215.01	288.28
39.68	2.86	193.01	668.01
39.70	2.84	165.57	736.39
39.72	2.86	137.01	778.51
39.74	2.82	117.90	824.30
39.76	3.03	86.02	854.21
39.78	3.09	74.68	834.07
39.80	3.12	74.79	802.32
39.82	3.05	85.91	804.15
39.84	2.98	97.13	843.22
39.86	2.89	99.58	915.26
39.88	2.85	100.47	954.94
39.90	2.86	92.14	983.03
39.92	2.91	87.36	984.25
39.94	3.04	88.92	950.06
39.96	3.23	92.92	910.38
39.98	3.50	98.04	847.50
40.00	3.68	95.82	784.61

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Committente AUTOBRENNERO SPA

Località VILLANOVA D.B. - MN -

Cantiere SOVRAPASSO N° 109

Data 12/04/11

Preforo 1.00 m. p.c.

Falda ml

Prova 2

Cert. N. 426/2011

Emesso il 12/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	5.07	83.17	769.35
40.04	6.03	92.83	519.66
40.06	5.94	114.73	470.82
40.08	5.80	127.39	440.29
40.10	5.92	129.73	419.54
40.12	6.21	136.73	399.39
40.14	6.37	132.84	378.63
40.16	6.07	103.28	360.32
40.18	5.65	83.73	351.77
40.20	5.47	87.40	358.49
40.22	5.18	92.84	362.76
40.24	4.82	99.51	365.81
40.26	4.57	113.62	363.98
40.28	4.16	131.84	357.26
40.30	3.68	137.73	374.97
40.32	3.06	114.51	407.33
40.34	2.65	103.18	596.58
40.36	2.33	99.73	703.42
40.38	2.18	97.73	944.57
40.40	2.18	92.07	1109.40
40.42	2.13	84.40	1132.60
40.44	2.09	81.51	1109.40
40.46	2.06	79.40	1149.08
40.48	2.09	75.07	1188.77
40.50	2.28	67.74	1213.19
40.52	2.59	64.40	1222.34
40.54	2.90	68.07	1222.95
40.56	3.10	75.63	1188.16
40.58	3.14	80.96	996.46
40.60	3.02	91.63	935.41
40.62	2.90	97.51	933.58
40.64	2.65	98.96	906.10
40.66	2.45	96.52	910.38
40.68	2.22	91.41	888.40
40.70	2.06	86.75	970.82
40.72	2.04	80.63	1067.89
40.74	2.13	74.41	1150.30
40.76	2.28	69.41	1169.84
40.78	2.33	70.30	1154.58
40.80	2.43	72.41	1165.57
40.82	2.60	71.97	1193.65
40.84	2.93	71.75	1171.67
40.86	3.21	75.53	1205.25
40.88	3.35	79.42	1118.56
40.90	3.60	88.42	987.91
40.92	3.60	95.65	900.00
40.94	3.46	103.20	857.26
40.96	3.29	103.09	823.08
40.98	3.25	107.76	845.05
41.00	3.23	107.99	935.41

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	3.32	92.17	826.74
41.04	3.59	105.73	727.23
41.06	3.31	113.06	687.55
41.08	3.17	109.51	711.97
41.10	3.05	102.62	749.82
41.12	2.98	97.39	766.91
41.14	2.98	90.95	799.27
41.16	3.03	87.73	832.23
41.18	3.07	86.06	853.60
41.20	3.15	82.51	846.89
41.22	3.14	80.39	857.26
41.24	3.33	80.84	883.52
41.26	3.72	85.72	885.35
41.28	4.17	86.95	872.53
41.30	4.80	85.28	855.43
41.32	5.55	80.84	838.95
41.34	6.29	80.06	820.02
41.36	7.06	91.17	786.45
41.38	7.68	97.06	744.32
41.40	8.06	95.39	714.41
41.42	8.08	85.28	680.83
41.44	8.43	84.83	673.50
41.46	9.22	103.16	699.14
41.48	9.54	119.39	693.04
41.50	9.41	113.50	666.79
41.52	9.54	98.61	672.28
41.54	9.92	107.50	691.82
41.56	10.45	113.94	719.29
41.58	10.80	130.82	733.94
41.60	10.59	137.49	713.80
41.62	10.39	127.27	699.76
41.64	10.18	121.15	685.10
41.66	9.74	122.48	661.29
41.68	9.06	123.48	625.27
41.70	8.35	131.59	584.98
41.72	7.74	132.14	555.07
41.74	7.38	131.92	538.58
41.76	7.05	134.14	525.15
41.78	6.51	120.58	508.06
41.80	6.36	113.47	514.77
41.82	7.06	132.80	559.95
41.84	8.53	152.02	640.54
41.86	9.59	155.35	691.21
41.88	9.79	137.79	690.60
41.90	9.67	119.90	677.17
41.92	9.48	102.89	669.84
41.94	9.35	104.33	670.45
41.96	9.51	109.22	685.10
41.98	9.87	113.21	706.47
42.00	10.12	120.91	481.81

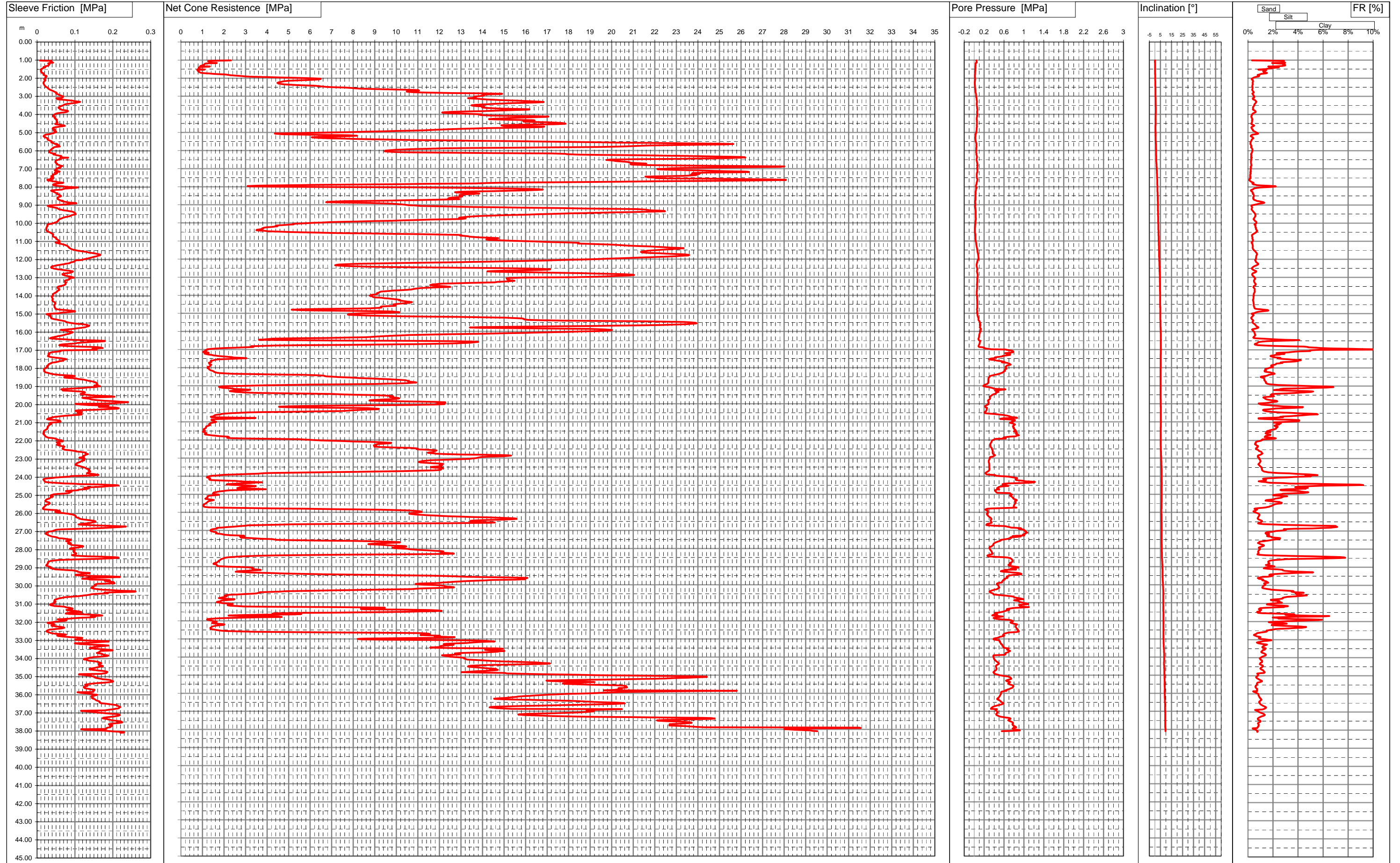
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	10.84	118.57	492.19
42.04	11.02	122.80	480.59
42.06	11.19	121.47	479.98
42.08	11.36	116.69	484.25
42.10	11.32	120.47	481.20
42.12	11.43	117.91	488.52
42.14	11.37	122.46	484.86
42.16	11.52	121.24	494.63
42.18	11.49	113.57	499.51
42.20	11.88	110.12	521.49
42.22	12.26	123.01	547.13
42.24	12.14	126.01	546.52
42.26	11.82	132.56	536.75
42.28	11.19	118.67	515.99
42.30	11.17	99.11	527.59
42.32	11.65	105.33	557.51
42.34	11.63	120.55	559.95
42.36	11.43	140.22	556.29
42.38	10.60	122.10	528.82
42.40	9.66	115.99	486.69
42.42	9.05	116.32	459.83
42.44	9.22	115.43	472.65
42.46	9.93	138.43	503.17
42.48	10.87	154.42	547.13
42.50	12.00	174.41	601.46
42.52	12.91	177.52	642.98
42.54	13.33	161.29	661.29
42.56	13.45	139.29	667.40
42.58	13.38	112.85	671.06
42.60	13.34	103.18	676.56
42.62	13.30	100.84	686.93
42.64	13.21	102.51	695.48
42.66	13.06	101.51	700.98
42.68	12.92	103.95	699.14
42.70	12.56	108.50	686.32
42.72	11.96	101.28	655.19
42.74	11.17	94.17	617.34
42.76	10.56	95.28	591.09
42.78	10.49	96.94	588.03
42.80	10.32	97.16	570.94
42.82	10.14	106.27	545.91
42.84	9.58	106.27	508.67
42.86	8.81	101.49	464.10
42.88	7.88	101.38	413.43
42.90	7.22	93.27	378.63
42.92	7.21	102.49	370.70
42.94	7.81	124.71	374.97
42.96	8.15	134.71	371.31
42.98	8.53	144.26	369.47
43.00	9.46	220.92	707.69



# MN-CPTU9

Committente AUTOBRENNERO SPA  
Località CASTELLETTO BORGO - MN -  
Cantiere SOVRAPASSO N° 110  
Operatore DR.STANZANI  
Prova nr. 2 Cert. N. 424/2011  
Data 11/04/11 Emesso il 11/04/11  
Falda 3.50 ml  
Preforo 1.00 m. p.c.

  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	2.32	7.41	47.74
1.04	1.29	38.30	44.08
1.06	1.26	34.87	45.30
1.08	1.29	36.32	50.18
1.10	1.36	39.77	52.01
1.12	1.40	40.56	51.40
1.14	1.38	42.12	49.57
1.16	1.67	32.79	30.65
1.18	1.19	29.35	29.43
1.20	1.12	32.46	29.43
1.22	1.10	33.24	30.04
1.24	1.09	31.36	29.43
1.26	1.08	31.36	28.82
1.28	1.01	30.92	28.21
1.30	1.01	30.59	27.59
1.32	0.92	26.04	26.98
1.34	0.89	21.15	26.37
1.36	1.34	21.94	26.98
1.38	0.95	17.16	25.15
1.40	0.85	21.50	25.76
1.42	0.83	18.28	25.15
1.44	0.82	16.28	25.15
1.46	0.82	14.29	24.54
1.48	0.81	12.40	23.93
1.50	0.82	11.85	23.32
1.52	1.10	9.08	23.32
1.54	0.76	9.97	22.71
1.56	0.78	11.53	22.10
1.58	0.78	10.76	21.49
1.60	0.78	10.76	21.49
1.62	0.82	9.99	20.88
1.64	0.85	10.55	20.27
1.66	0.85	11.67	19.66
1.68	0.87	11.23	19.66
1.70	0.91	14.01	19.66
1.72	1.06	16.24	19.05
1.74	1.30	18.13	19.05
1.76	1.53	16.36	18.44
1.78	1.78	17.81	19.05
1.80	2.08	18.04	17.83
1.82	2.22	17.15	17.83
1.84	2.30	20.49	17.22
1.86	2.59	23.50	17.22
1.88	2.80	25.17	16.00
1.90	2.99	25.39	16.00
1.92	3.33	22.73	16.61
1.94	3.90	21.85	16.61
1.96	4.62	22.52	17.83
1.98	5.26	22.96	17.83
2.00	6.03	22.08	19.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	6.39	21.20	19.05
2.04	6.50	18.75	19.05
2.06	6.43	19.09	18.44
2.08	6.27	20.32	18.44
2.10	5.88	22.32	17.83
2.12	5.49	21.88	17.83
2.14	4.98	20.02	16.00
2.16	4.85	19.25	16.00
2.18	4.75	19.25	15.38
2.20	4.65	17.70	14.77
2.22	4.57	17.70	14.77
2.24	4.51	16.81	14.77
2.26	4.47	16.70	14.16
2.28	4.50	17.03	14.16
2.30	4.54	17.59	14.77
2.32	4.63	18.14	14.16
2.34	4.80	18.59	14.77
2.36	5.05	18.81	14.77
2.38	5.41	19.36	16.00
2.40	5.82	20.14	16.00
2.42	6.20	21.36	17.22
2.44	6.45	21.81	17.22
2.46	6.53	22.47	17.22
2.48	6.76	24.14	17.83
2.50	7.10	26.25	18.44
2.52	7.59	28.47	19.05
2.54	7.93	29.25	19.66
2.56	8.07	29.02	19.66
2.58	8.36	29.91	20.27
2.60	9.00	31.80	21.49
2.62	9.86	32.91	23.32
2.64	10.53	35.24	23.93
2.66	11.00	37.69	25.15
2.68	11.05	39.80	25.15
2.70	10.77	41.80	25.15
2.72	10.59	43.69	25.15
2.74	10.48	45.46	25.76
2.76	10.57	47.91	26.37
2.78	10.85	51.13	27.59
2.80	11.48	51.90	28.82
2.82	12.61	50.45	31.26
2.84	14.09	49.79	34.31
2.86	14.91	51.12	36.14
2.88	14.56	54.78	36.14
2.90	14.20	56.78	36.14
2.92	14.10	58.56	36.75
2.94	13.98	61.11	37.36
2.96	14.06	62.44	37.97
2.98	13.96	66.33	39.19
3.00	13.79	68.77	39.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	13.61	68.88	39.80
3.04	13.62	68.21	41.03
3.06	13.69	66.98	42.25
3.08	13.61	64.87	42.86
3.10	13.32	50.49	50.18
3.12	13.45	53.60	49.57
3.14	13.78	53.04	49.57
3.16	13.99	54.82	50.18
3.18	14.24	66.49	50.18
3.20	14.69	78.16	52.01
3.22	14.99	86.16	53.24
3.24	15.50	93.93	53.85
3.26	15.94	98.93	54.46
3.28	16.32	105.71	54.46
3.30	16.72	113.82	55.07
3.32	16.84	108.82	55.68
3.34	16.50	105.59	54.46
3.36	15.96	99.81	53.85
3.38	15.38	92.36	53.24
3.40	14.91	84.81	52.63
3.42	14.54	78.25	52.63
3.44	14.23	73.58	52.63
3.46	13.88	70.80	52.63
3.48	13.64	70.25	52.63
3.50	13.49	68.69	53.24
3.52	13.54	65.24	54.46
3.54	13.72	63.24	55.07
3.56	13.98	60.79	56.29
3.58	14.10	58.57	57.51
3.60	14.05	57.34	58.12
3.62	13.98	56.12	58.12
3.64	14.13	56.79	59.34
3.66	14.40	58.89	59.95
3.68	14.87	60.22	61.17
3.70	15.54	62.33	63.00
3.72	16.18	63.11	64.84
3.74	16.14	65.11	65.45
3.76	15.57	70.89	64.22
3.78	14.94	78.89	63.61
3.80	14.52	81.55	62.39
3.82	13.95	81.54	61.17
3.84	13.19	80.32	59.95
3.86	12.59	78.54	58.73
3.88	12.22	73.32	58.73
3.90	12.12	64.10	58.73
3.92	12.24	56.65	59.34
3.94	12.59	51.76	60.56
3.96	13.11	48.98	61.78
3.98	13.64	47.43	61.78
4.00	13.95	45.76	61.78

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N° 110  
 Data 11\04\11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	13.86	44.31	60.56
4.04	13.93	43.31	59.34
4.06	14.37	44.87	60.56
4.08	14.96	41.44	56.90
4.10	16.43	43.78	58.12
4.12	17.06	44.22	58.12
4.14	16.95	47.23	56.90
4.16	16.24	46.79	55.07
4.18	15.82	45.68	53.85
4.20	15.30	48.01	52.63
4.22	15.00	49.12	52.01
4.24	14.56	48.23	51.40
4.26	14.30	50.46	50.79
4.28	14.55	52.46	51.40
4.30	15.48	52.23	53.24
4.32	16.31	52.34	55.07
4.34	16.42	51.12	54.46
4.36	16.23	52.90	54.46
4.38	15.89	52.56	53.85
4.40	15.93	52.56	53.85
4.42	16.33	53.78	54.46
4.44	17.02	54.33	55.68
4.46	17.47	52.89	56.29
4.48	17.69	51.55	56.90
4.50	17.83	49.44	56.90
4.52	17.86	47.99	56.90
4.54	17.39	49.99	56.29
4.56	16.52	58.99	55.07
4.58	15.59	65.77	53.85
4.60	14.88	71.10	53.24
4.62	14.90	73.65	53.85
4.64	15.02	68.87	54.46
4.66	15.97	62.54	54.46
4.68	16.87	54.65	55.07
4.70	16.78	48.09	53.24
4.72	16.25	43.64	53.24
4.74	15.28	41.97	52.01
4.76	14.23	41.97	50.79
4.78	13.50	40.64	50.18
4.80	13.00	42.86	49.57
4.82	12.53	46.30	48.96
4.84	12.06	47.52	48.35
4.86	11.70	46.07	48.35
4.88	11.26	43.51	47.74
4.90	10.74	44.40	46.52
4.92	10.03	47.51	45.30
4.94	9.28	50.51	43.47
4.96	8.54	50.40	42.86
4.98	7.80	48.51	41.64
5.00	7.01	45.95	39.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	5.91	43.62	37.97
5.04	5.42	41.73	36.75
5.06	4.36	35.84	33.70
5.08	4.54	34.50	35.53
5.10	4.68	24.42	25.76
5.12	5.87	20.98	26.98
5.14	6.96	20.20	26.98
5.16	7.82	18.65	28.21
5.18	8.18	19.10	28.21
5.20	7.90	17.10	26.98
5.22	7.25	20.21	24.54
5.24	6.42	19.54	24.54
5.26	6.07	22.33	22.71
5.28	6.12	23.88	22.10
5.30	6.36	26.33	21.49
5.32	6.88	29.44	22.71
5.34	7.53	28.55	23.32
5.36	8.23	28.55	24.54
5.38	8.96	27.78	25.15
5.40	9.66	28.79	24.54
5.42	10.82	31.01	26.37
5.44	12.30	34.12	27.59
5.46	13.65	36.23	29.43
5.48	15.30	38.90	31.26
5.50	16.88	39.01	33.09
5.52	17.95	38.01	34.31
5.54	19.06	37.68	36.14
5.56	20.38	40.79	37.36
5.58	21.87	43.57	39.19
5.60	23.54	45.13	42.25
5.62	24.94	47.91	44.69
5.64	25.65	54.02	45.91
5.66	25.28	50.69	45.91
5.68	24.07	54.80	45.30
5.70	22.55	58.02	43.47
5.72	21.75	56.13	44.08
5.74	21.16	57.46	44.69
5.76	20.85	59.90	45.91
5.78	20.46	51.68	45.91
5.80	19.47	46.01	45.91
5.82	17.77	43.57	44.69
5.84	15.46	41.90	42.86
5.86	13.42	42.45	41.03
5.88	12.22	39.89	40.42
5.90	11.43	38.33	40.42
5.92	10.83	37.54	40.42
5.94	10.31	37.10	40.42
5.96	9.95	35.76	40.42
5.98	9.69	33.87	40.42
6.00	9.51	33.64	41.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	9.47	32.52	41.64
6.04	9.45	32.07	41.03
6.06	9.62	32.73	41.03
6.08	9.95	32.16	37.36
6.10	10.73	34.61	37.97
6.12	12.12	36.73	39.80
6.14	14.49	41.28	42.25
6.16	17.11	47.84	45.30
6.18	17.87	42.51	45.91
6.20	17.91	43.17	44.69
6.22	18.40	47.73	44.69
6.24	19.45	51.06	47.74
6.26	21.08	55.84	50.18
6.28	22.44	63.51	52.01
6.30	23.49	63.17	53.85
6.32	24.49	64.06	55.07
6.34	25.40	63.84	56.90
6.36	26.05	62.17	57.51
6.38	26.21	82.17	55.07
6.40	25.88	66.62	53.85
6.42	25.34	62.61	52.63
6.44	24.19	59.61	51.40
6.46	22.82	59.50	50.18
6.48	21.02	57.39	48.96
6.50	19.94	55.16	48.35
6.52	19.74	50.38	49.57
6.54	19.95	49.04	50.79
6.56	20.12	49.04	52.63
6.58	20.17	49.59	53.85
6.60	20.36	48.36	55.68
6.62	20.65	48.13	56.29
6.64	20.81	48.68	58.12
6.66	20.79	50.13	58.73
6.68	20.95	50.23	59.95
6.70	21.32	52.23	61.78
6.72	21.60	53.33	64.22
6.74	21.38	52.66	64.22
6.76	20.87	53.99	64.22
6.78	21.00	56.65	65.45
6.80	21.59	60.09	67.89
6.82	22.60	62.42	58.73
6.84	23.87	66.97	70.33
6.86	26.55	63.07	64.84
6.88	28.01	61.18	63.61
6.90	27.84	62.40	63.61
6.92	26.49	57.18	62.39
6.94	24.68	60.73	60.56
6.96	23.35	55.17	59.95
6.98	22.77	51.06	60.56
7.00	22.51	53.50	60.56

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	22.11	50.71	60.56
7.04	22.16	48.82	61.78
7.06	22.65	49.71	63.61
7.08	23.26	46.58	64.22
7.10	24.18	50.69	64.84
7.12	24.64	55.03	64.22
7.14	25.29	59.70	65.45
7.16	26.21	57.48	66.06
7.18	26.36	48.25	63.61
7.20	25.99	46.70	62.39
7.22	24.47	51.92	55.68
7.24	23.75	52.70	56.29
7.26	24.11	49.03	56.90
7.28	24.03	48.59	53.85
7.30	24.06	41.03	52.63
7.32	23.68	42.47	52.01
7.34	23.93	43.47	53.85
7.36	23.92	42.80	52.63
7.38	23.63	39.35	53.24
7.40	23.34	37.13	53.24
7.42	22.27	38.46	53.24
7.44	21.56	42.79	52.01
7.46	21.64	41.79	53.24
7.48	21.67	41.12	53.24
7.50	22.05	38.00	56.29
7.52	22.03	35.11	55.07
7.54	22.63	42.44	56.90
7.56	24.55	39.33	60.56
7.58	26.22	36.11	63.61
7.60	27.48	26.76	67.28
7.62	28.09	29.76	66.06
7.64	27.46	28.31	64.84
7.66	26.45	40.31	62.39
7.68	24.14	40.53	61.17
7.70	22.04	50.42	58.73
7.72	20.39	53.08	56.90
7.74	18.95	58.85	56.29
7.76	16.25	69.18	51.40
7.78	14.77	67.51	50.79
7.80	14.20	54.40	49.57
7.82	13.62	47.51	50.79
7.84	11.49	44.06	47.13
7.86	9.98	41.73	45.91
7.88	8.15	49.39	42.25
7.90	6.32	43.27	39.80
7.92	4.84	48.94	37.36
7.94	3.66	58.71	33.70
7.96	3.09	69.82	33.09
7.98	3.19	72.26	34.92
8.00	4.79	90.26	38.58

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	7.67	107.48	41.64
8.04	10.95	101.93	49.57
8.06	13.04	88.48	51.40
8.08	14.15	73.55	36.75
8.10	15.46	71.33	37.97
8.12	16.18	68.11	36.75
8.14	16.63	64.34	37.36
8.16	16.80	50.79	37.97
8.18	16.56	39.24	36.75
8.20	16.00	36.57	35.53
8.22	15.30	38.68	34.31
8.24	14.51	40.46	31.87
8.26	13.64	43.02	31.87
8.28	13.04	46.80	30.65
8.30	12.72	47.57	30.04
8.32	12.77	49.46	30.04
8.34	13.25	54.69	30.65
8.36	13.72	53.46	30.65
8.38	13.86	53.35	30.65
8.40	13.59	53.24	30.04
8.42	13.23	58.13	29.43
8.44	13.03	59.91	29.43
8.46	12.93	59.91	29.43
8.48	12.92	62.69	29.43
8.50	12.98	63.13	28.82
8.52	13.07	61.46	28.82
8.54	13.06	58.91	28.82
8.56	12.97	54.79	28.82
8.58	12.82	53.91	27.59
8.60	12.60	54.02	27.59
8.62	12.48	53.24	26.37
8.64	12.41	54.79	26.37
8.66	12.64	53.79	27.59
8.68	12.93	56.79	27.59
8.70	12.57	57.68	26.98
8.72	11.62	59.91	25.76
8.74	10.81	63.79	24.54
8.76	10.05	67.91	23.93
8.78	8.95	65.24	22.10
8.80	7.65	70.90	19.66
8.82	7.00	75.57	19.66
8.84	6.80	82.01	19.05
8.86	6.74	87.12	18.44
8.88	7.76	102.24	20.88
8.90	8.76	104.12	22.71
8.92	9.48	91.57	22.71
8.94	9.82	82.01	22.71
8.96	10.10	72.34	22.71
8.98	10.28	60.01	22.71
9.00	10.42	44.23	22.71

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	10.58	33.01	22.10
9.04	10.90	28.23	22.10
9.06	11.13	30.73	17.83
9.08	11.96	33.28	17.22
9.10	12.66	39.07	18.44
9.12	13.58	44.63	20.27
9.14	14.78	49.29	21.49
9.16	16.18	53.41	22.71
9.18	17.56	54.63	23.93
9.20	18.70	55.74	25.15
9.22	19.93	58.07	26.98
9.24	21.17	61.96	28.82
9.26	21.54	65.07	28.82
9.28	21.65	69.85	29.43
9.30	21.77	76.85	30.04
9.32	22.16	83.63	30.65
9.34	22.45	88.52	31.87
9.36	22.47	94.74	31.87
9.38	21.83	96.18	31.87
9.40	20.93	97.18	31.87
9.42	20.11	99.96	31.26
9.44	19.23	100.51	31.26
9.46	18.64	101.39	31.26
9.48	17.93	101.84	31.26
9.50	17.25	101.72	31.26
9.52	16.62	97.94	31.26
9.54	16.06	93.49	31.26
9.56	15.45	90.38	30.65
9.58	14.88	88.26	30.65
9.60	14.30	86.92	30.65
9.62	13.86	81.70	30.65
9.64	13.53	76.91	31.26
9.66	13.34	73.35	31.26
9.68	13.12	70.91	31.87
9.70	12.99	67.57	31.87
9.72	12.91	65.67	31.26
9.74	13.02	63.11	33.09
9.76	13.21	60.67	33.70
9.78	13.02	58.33	33.70
9.80	12.38	58.11	33.09
9.82	11.58	56.88	32.48
9.84	10.93	56.43	31.26
9.86	10.38	55.10	31.26
9.88	9.76	55.10	30.04
9.90	8.97	53.98	28.21
9.92	8.16	52.76	26.98
9.94	7.46	50.10	26.98
9.96	6.93	47.31	25.76
9.98	6.53	44.20	25.76
10.00	6.09	40.98	24.54

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N° 110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	5.75	37.42	24.54
10.04	5.39	32.87	23.93
10.06	5.19	28.14	22.71
10.08	5.23	26.92	22.10
10.10	4.99	27.03	21.49
10.12	4.72	28.26	19.66
10.14	4.46	27.60	19.66
10.16	4.40	27.04	19.66
10.18	4.48	27.04	19.66
10.20	4.40	25.71	19.05
10.22	4.23	25.05	18.44
10.24	4.02	24.71	17.83
10.26	3.86	25.16	17.83
10.28	3.83	24.39	17.22
10.30	3.77	24.05	17.22
10.32	3.82	23.95	16.61
10.34	3.76	24.50	16.61
10.36	3.64	24.73	16.00
10.38	3.52	24.62	15.38
10.40	3.50	25.06	15.38
10.42	3.62	26.84	15.38
10.44	3.88	26.84	16.00
10.46	4.03	29.40	15.38
10.48	4.47	31.41	16.61
10.50	5.01	34.41	17.22
10.52	5.65	35.52	17.83
10.54	6.31	37.52	17.83
10.56	7.25	38.42	19.05
10.58	8.48	41.64	20.88
10.60	9.69	42.42	21.49
10.62	11.00	42.75	23.32
10.64	12.04	42.31	23.93
10.66	12.85	41.54	24.54
10.68	13.02	41.21	24.54
10.70	12.97	41.54	23.93
10.72	13.15	42.77	23.93
10.74	13.36	43.43	24.54
10.76	13.39	45.66	24.54
10.78	13.56	47.88	25.15
10.80	13.89	50.43	25.76
10.82	14.33	51.10	26.37
10.84	14.74	51.32	26.98
10.86	14.66	50.32	26.98
10.88	14.40	51.99	26.98
10.90	14.24	54.21	26.98
10.92	14.17	55.66	27.59
10.94	14.30	57.88	28.21
10.96	14.73	58.88	28.82
10.98	15.25	59.10	30.04
11.00	15.71	58.21	31.26

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	16.24	59.10	32.48
11.04	16.78	59.65	33.70
11.06	17.14	48.64	37.97
11.08	18.03	51.64	38.58
11.10	18.47	55.20	39.80
11.12	18.42	59.98	39.19
11.14	18.42	64.65	39.80
11.16	18.88	68.65	41.03
11.18	19.53	71.31	42.25
11.20	19.99	74.98	43.47
11.22	20.31	76.65	44.69
11.24	20.56	79.65	45.30
11.26	20.75	80.98	46.52
11.28	21.26	81.42	48.35
11.30	21.75	82.97	50.18
11.32	22.08	84.08	51.40
11.34	22.40	84.19	52.63
11.36	22.67	85.30	54.46
11.38	23.11	87.52	56.29
11.40	23.34	88.85	58.12
11.42	23.16	90.84	58.73
11.44	22.95	93.39	59.95
11.46	22.64	97.17	60.56
11.48	22.34	101.28	61.78
11.50	22.19	105.16	63.00
11.52	21.88	112.04	63.61
11.54	21.66	119.15	64.84
11.56	21.53	125.15	65.45
11.58	21.46	131.25	67.28
11.60	21.35	134.36	68.50
11.62	21.39	138.57	69.72
11.64	21.45	147.24	70.94
11.66	21.76	152.68	72.77
11.68	22.22	158.11	74.60
11.70	22.57	162.44	75.82
11.72	22.95	165.66	77.66
11.74	23.37	167.65	79.49
11.76	23.55	166.76	80.71
11.78	23.60	161.97	81.93
11.80	23.54	159.52	83.15
11.82	23.22	156.18	83.76
11.84	22.94	151.51	83.76
11.86	22.61	148.62	84.37
11.88	22.22	144.61	84.98
11.90	21.75	141.27	85.59
11.92	21.20	137.71	85.59
11.94	20.72	133.04	84.98
11.96	20.29	130.15	85.59
11.98	19.82	124.03	85.59
12.00	19.32	121.24	85.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	18.83	117.68	84.98
12.04	17.92	100.91	72.77
12.06	17.43	99.91	71.55
12.08	16.77	100.25	69.72
12.10	16.04	98.80	67.89
12.12	15.23	97.25	66.06
12.14	14.38	92.37	64.22
12.16	13.44	88.04	62.39
12.18	12.42	87.81	60.56
12.20	11.29	84.04	58.12
12.22	10.20	78.26	56.29
12.24	9.12	74.48	54.46
12.26	8.22	68.81	52.63
12.28	7.71	62.92	51.40
12.30	7.34	56.48	50.79
12.32	7.20	50.70	50.18
12.34	7.16	46.92	48.96
12.36	7.31	42.37	50.18
12.38	7.62	39.26	50.79
12.40	8.16	37.48	51.40
12.42	8.84	37.04	52.01
12.44	9.86	37.04	53.85
12.46	11.22	38.48	55.68
12.48	13.03	41.48	58.73
12.50	14.83	45.15	59.95
12.52	16.13	50.27	62.39
12.54	16.79	57.16	63.00
12.56	17.15	65.49	63.61
12.58	17.09	72.17	61.17
12.60	16.77	78.51	61.17
12.62	16.03	85.73	59.34
12.64	15.08	93.29	57.51
12.66	14.40	94.95	56.29
12.68	14.22	93.40	55.68
12.70	14.57	89.29	56.90
12.72	15.46	88.74	57.51
12.74	16.63	83.19	60.56
12.76	17.69	75.41	61.78
12.78	18.61	69.30	64.84
12.80	19.39	66.97	66.06
12.82	20.04	67.30	67.28
12.84	20.61	67.86	69.72
12.86	20.97	70.63	70.33
12.88	21.04	73.97	70.94
12.90	20.87	77.97	71.55
12.92	20.52	82.63	70.94
12.94	20.10	88.52	70.94
12.96	19.63	91.97	69.72
12.98	19.11	95.41	68.50
13.00	18.19	97.08	67.89



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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N° 110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	15.98	85.09	66.06
13.04	15.26	85.32	63.61
13.06	15.11	86.54	64.22
13.08	15.17	85.76	62.39
13.10	15.18	83.77	63.61
13.12	15.15	80.99	63.00
13.14	15.23	76.22	63.00
13.16	15.25	73.66	63.00
13.18	15.34	73.44	63.61
13.20	15.49	74.11	64.22
13.22	15.29	73.44	63.00
13.24	14.98	73.66	63.61
13.26	14.69	76.66	63.00
13.28	14.58	76.10	61.17
13.30	14.06	75.76	61.17
13.32	13.38	74.88	59.95
13.34	12.64	75.21	59.34
13.36	12.08	75.54	57.51
13.38	11.86	74.21	58.12
13.40	11.68	72.10	56.90
13.42	11.63	69.98	58.12
13.44	11.57	65.98	56.90
13.46	11.71	61.09	58.73
13.48	11.96	57.43	59.34
13.50	12.21	55.31	59.95
13.52	12.45	54.31	60.56
13.54	12.50	53.98	59.34
13.56	12.00	54.42	58.73
13.58	11.44	55.09	58.12
13.60	11.15	56.20	58.12
13.62	10.98	57.53	57.51
13.64	10.88	58.87	56.29
13.66	10.79	58.98	55.68
13.68	10.68	58.31	55.68
13.70	10.53	56.87	56.29
13.72	10.17	54.31	54.46
13.74	9.86	53.20	54.46
13.76	9.65	52.31	54.46
13.78	9.45	52.09	53.24
13.80	9.29	50.65	53.24
13.82	9.22	48.76	53.24
13.84	9.21	47.21	52.63
13.86	9.17	45.21	52.63
13.88	9.10	43.98	52.63
13.90	9.12	42.88	52.63
13.92	9.12	41.76	52.63
13.94	9.08	41.76	52.01
13.96	8.98	41.66	52.01
13.98	8.83	41.77	50.18
14.00	8.83	42.21	51.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	8.76	38.83	61.17
14.04	8.82	38.83	59.34
14.06	8.88	38.72	56.90
14.08	8.89	39.50	58.12
14.10	8.95	40.06	58.12
14.12	9.03	40.28	57.51
14.14	9.31	40.95	58.73
14.16	9.43	41.18	56.90
14.18	9.64	41.73	59.95
14.20	9.82	41.18	59.34
14.22	9.95	40.40	59.34
14.24	10.11	40.40	60.56
14.26	10.18	40.62	61.17
14.28	10.12	40.74	60.56
14.30	10.20	42.40	59.95
14.32	10.34	44.07	61.17
14.34	10.48	45.29	61.17
14.36	10.59	46.63	62.39
14.38	10.73	47.29	61.78
14.40	10.66	47.96	62.39
14.42	10.56	47.85	61.17
14.44	10.35	47.29	61.17
14.46	10.21	46.85	62.39
14.48	10.00	45.85	60.56
14.50	9.88	46.07	61.78
14.52	9.88	45.85	61.78
14.54	9.95	45.63	62.39
14.56	9.97	45.85	63.00
14.58	9.95	46.07	61.78
14.60	9.60	46.07	62.39
14.62	9.32	46.07	60.56
14.64	9.27	46.41	63.00
14.66	9.29	47.29	62.39
14.68	9.31	48.07	63.00
14.70	9.13	49.29	62.39
14.72	8.76	48.63	62.39
14.74	7.66	51.74	58.73
14.76	6.43	62.63	55.68
14.78	5.42	71.74	54.46
14.80	5.14	82.18	55.68
14.82	5.57	91.96	57.51
14.84	6.20	99.96	58.73
14.86	7.48	100.51	61.78
14.88	9.24	92.63	62.39
14.90	9.83	80.51	61.17
14.92	10.00	66.74	61.17
14.94	10.15	61.85	55.68
14.96	9.80	56.96	55.68
14.98	9.29	39.40	55.07
15.00	8.35	24.99	67.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	8.05	25.55	67.89
15.04	7.79	29.10	67.28
15.06	7.75	33.22	65.45
15.08	7.79	35.77	66.06
15.10	8.15	33.33	67.28
15.12	8.69	34.33	70.33
15.14	9.36	34.78	70.33
15.16	10.28	36.22	73.99
15.18	11.54	36.67	74.60
15.20	12.92	37.45	78.27
15.22	14.13	37.22	80.71
15.24	15.03	37.45	83.15
15.26	15.50	40.33	84.37
15.28	15.84	45.22	86.20
15.30	15.92	49.34	84.37
15.32	15.92	54.22	85.59
15.34	15.95	59.45	86.20
15.36	16.12	64.56	88.64
15.38	16.67	70.00	89.87
15.40	17.74	73.89	93.53
15.42	19.43	75.33	100.24
15.44	21.27	77.44	106.35
15.46	22.58	80.33	111.23
15.48	23.38	84.88	112.45
15.50	23.69	90.77	115.51
15.52	23.89	98.77	117.95
15.54	23.94	106.65	119.78
15.56	23.92	116.54	122.22
15.58	23.70	125.87	122.83
15.60	23.47	132.42	123.44
15.62	22.95	134.53	124.66
15.64	22.32	137.09	126.50
15.66	21.47	137.08	124.66
15.68	20.31	133.63	124.66
15.70	18.96	130.74	121.61
15.72	17.24	128.84	119.78
15.74	15.35	124.06	116.73
15.76	13.94	117.16	114.29
15.78	13.41	109.38	113.68
15.80	13.88	100.60	117.34
15.82	15.31	95.92	124.66
15.84	17.16	87.47	130.16
15.86	18.96	70.69	136.26
15.88	19.57	62.57	130.16
15.90	19.82	68.23	128.33
15.92	20.02	79.33	131.38
15.94	19.97	78.99	131.38
15.96	19.73	83.88	131.99
15.98	19.38	89.54	133.21
16.00	18.56	94.21	125.27

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11/04/11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	17.98	93.11	121.61
16.04	17.26	90.11	118.56
16.06	16.67	88.99	116.73
16.08	15.88	85.89	115.51
16.10	15.02	82.67	111.84
16.12	14.20	77.33	110.62
16.14	13.23	73.56	108.18
16.16	12.28	70.89	106.96
16.18	11.32	66.22	103.91
16.20	10.59	62.00	102.08
16.22	10.18	56.44	102.69
16.24	9.75	51.66	100.24
16.26	9.35	47.66	100.85
16.28	9.10	43.00	99.02
16.30	8.91	39.22	98.41
16.32	8.56	35.66	97.80
16.34	7.70	33.77	95.36
16.36	6.73	39.77	90.48
16.38	5.21	57.66	89.87
16.40	4.29	75.76	86.81
16.42	4.06	88.88	86.81
16.44	3.91	118.21	89.26
16.46	3.62	154.54	87.42
16.48	4.85	179.32	94.14
16.50	7.38	179.55	103.91
16.52	10.73	164.99	124.05
16.54	12.68	145.32	121.00
16.56	13.57	126.99	119.17
16.58	13.81	116.44	116.73
16.60	13.57	106.11	113.06
16.62	13.48	101.67	113.68
16.64	13.16	92.12	112.45
16.66	12.68	74.56	110.62
16.68	11.99	65.56	109.40
16.70	10.95	59.89	104.52
16.72	9.51	58.45	101.47
16.74	7.65	61.34	97.19
16.76	5.65	74.12	93.53
16.78	4.39	94.45	90.48
16.80	3.72	120.34	89.87
16.82	3.27	152.34	89.87
16.84	3.34	168.11	92.92
16.86	3.35	169.23	99.02
16.88	2.98	173.67	174.73
16.90	2.50	153.90	204.64
16.92	2.01	146.23	197.92
16.94	1.66	150.46	215.02
16.96	1.45	146.23	287.67
16.98	1.22	157.79	340.78
17.00	1.25	74.37	636.26

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	1.19	62.59	655.19
17.04	1.13	58.48	698.53
17.06	1.18	61.49	751.65
17.08	1.13	49.16	776.68
17.10	1.07	41.60	762.64
17.12	1.07	37.49	771.79
17.14	1.03	34.39	784.00
17.16	1.25	31.39	768.13
17.18	1.30	30.06	693.04
17.20	1.15	30.50	622.22
17.22	1.09	32.95	649.69
17.24	1.14	30.84	692.43
17.26	1.19	30.62	723.56
17.28	1.31	29.07	716.24
17.30	1.43	30.52	724.79
17.32	1.51	28.41	654.58
17.34	1.63	29.86	608.18
17.36	1.73	32.31	569.11
17.38	1.95	38.86	570.33
17.40	2.16	44.42	514.77
17.42	2.39	54.42	442.73
17.44	2.37	62.99	413.43
17.46	2.90	70.55	436.02
17.48	3.05	75.88	400.61
17.50	2.68	77.00	340.17
17.52	2.17	71.22	309.04
17.54	1.80	68.67	298.05
17.56	1.58	69.23	337.12
17.58	1.55	68.34	416.48
17.60	1.50	58.23	426.86
17.62	1.38	57.79	479.98
17.64	1.40	53.57	535.53
17.66	1.42	48.46	575.82
17.68	1.42	40.58	608.18
17.70	1.40	37.24	556.29
17.72	1.31	37.36	599.02
17.74	1.29	33.69	661.29
17.76	1.33	30.81	693.65
17.78	1.33	30.37	709.52
17.80	1.33	29.92	718.07
17.82	1.36	29.92	726.01
17.84	1.41	27.92	736.39
17.86	1.39	26.26	696.70
17.88	1.38	25.93	667.40
17.90	1.36	26.49	647.25
17.92	1.34	27.15	652.14
17.94	1.32	25.16	638.09
17.96	1.25	25.38	633.82
17.98	1.25	22.31	627.11
18.00	1.24	21.20	630.16

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	1.25	20.31	640.54
18.04	1.26	18.98	650.30
18.06	1.30	18.09	653.97
18.08	1.31	18.65	629.55
18.10	1.31	18.99	622.83
18.12	1.34	19.54	622.22
18.14	1.37	18.65	614.90
18.16	1.41	18.77	611.23
18.18	1.47	19.99	619.78
18.20	1.52	20.54	607.57
18.22	1.53	23.44	592.31
18.24	1.55	27.77	588.64
18.26	1.60	30.33	577.66
18.28	1.67	33.89	566.67
18.30	1.79	38.00	540.41
18.32	2.01	43.66	530.65
18.34	2.44	50.89	508.67
18.36	3.32	61.00	483.64
18.38	4.54	76.11	445.18
18.40	5.70	92.22	409.16
18.42	6.35	99.67	378.02
18.44	6.62	96.00	349.33
18.46	6.66	81.22	326.13
18.48	6.73	71.89	312.70
18.50	7.01	71.45	308.42
18.52	7.32	79.22	305.37
18.54	7.72	93.67	301.10
18.56	8.02	103.67	292.55
18.58	8.34	108.34	287.06
18.60	8.78	115.67	286.45
18.62	9.24	123.44	287.06
18.64	9.65	128.00	285.84
18.66	9.96	131.55	285.23
18.68	10.22	134.77	285.23
18.70	10.43	139.99	284.62
18.72	10.51	145.65	284.62
18.74	10.59	150.10	284.62
18.76	10.55	152.54	284.00
18.78	10.63	155.54	284.00
18.80	10.81	155.64	284.62
18.82	10.93	157.86	284.00
18.84	10.76	158.41	281.56
18.86	10.42	158.08	276.68
18.88	9.84	158.51	268.74
18.90	9.04	160.07	258.97
18.92	7.69	157.73	241.27
18.94	6.11	150.95	221.73
18.96	4.79	155.61	207.69
18.98	3.83	166.94	193.65
19.00	3.05	156.34	187.55

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N° 110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	2.34	157.01	183.27
19.04	1.94	141.01	204.03
19.06	1.77	129.46	248.60
19.08	1.79	120.24	292.55
19.10	1.87	106.13	327.35
19.12	1.96	84.90	359.10
19.14	2.33	68.56	384.74
19.16	2.42	63.90	390.84
19.18	2.47	68.90	451.28
19.20	2.91	68.01	627.11
19.22	3.22	68.12	578.88
19.24	3.14	86.01	511.11
19.26	2.69	106.34	451.89
19.28	2.35	119.12	422.59
19.30	2.26	124.12	439.68
19.32	2.38	126.68	479.36
19.34	2.54	125.79	492.19
19.36	2.81	120.34	465.93
19.38	3.14	122.13	445.18
19.40	3.64	115.46	433.58
19.42	4.67	114.46	436.63
19.44	6.20	122.01	427.47
19.46	7.10	136.24	403.66
19.48	7.54	139.57	381.68
19.50	8.16	157.90	368.86
19.52	8.86	179.24	359.71
19.54	9.43	196.68	349.94
19.56	9.69	204.68	339.56
19.58	9.85	190.57	329.79
19.60	9.72	136.35	321.86
19.62	9.69	119.35	318.80
19.64	9.79	123.79	319.41
19.66	9.96	132.23	320.63
19.68	10.10	139.56	321.25
19.70	10.14	140.78	320.02
19.72	10.03	144.67	316.97
19.74	9.91	153.56	313.92
19.76	9.48	162.56	304.15
19.78	9.10	176.11	293.77
19.80	8.78	194.55	285.23
19.82	8.75	206.77	278.51
19.84	9.27	222.22	277.29
19.86	10.22	240.66	281.56
19.88	11.20	227.65	287.06
19.90	11.89	213.76	290.11
19.92	12.28	203.87	291.94
19.94	12.00	160.76	290.72
19.96	11.89	101.75	284.62
19.98	11.95	112.42	282.17
20.00	12.25	119.64	284.62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	12.23	136.98	280.95
20.04	11.82	163.86	274.85
20.06	10.67	188.53	263.86
20.08	8.65	176.98	246.15
20.10	6.77	166.98	230.89
20.12	5.68	162.87	224.18
20.14	5.03	185.20	220.51
20.16	4.55	208.75	219.90
20.18	4.68	212.31	226.01
20.20	5.41	215.86	234.55
20.22	7.19	212.86	260.81
20.24	8.69	195.30	258.97
20.26	8.97	170.41	255.31
20.28	9.19	155.41	254.70
20.30	9.14	117.96	252.87
20.32	8.62	104.29	249.82
20.34	8.22	101.40	247.37
20.36	7.91	103.62	245.54
20.38	7.77	109.28	244.32
20.40	7.42	114.39	242.49
20.42	6.24	118.39	230.89
20.44	4.94	109.83	218.68
20.46	3.80	106.61	210.74
20.48	3.09	112.50	206.47
20.50	2.68	113.94	208.91
20.52	2.32	118.05	219.90
20.54	2.03	117.60	300.49
20.56	1.88	110.94	395.12
20.58	1.85	95.49	478.14
20.60	1.72	81.50	521.49
20.62	1.59	70.72	595.97
20.64	1.56	60.50	622.83
20.66	1.54	54.05	669.23
20.68	1.51	43.39	707.69
20.70	1.50	39.39	707.08
20.72	1.38	39.83	733.94
20.74	1.42	31.95	769.35
20.76	2.32	29.50	856.04
20.78	3.47	29.39	865.20
20.80	3.07	26.17	587.42
20.82	2.33	31.29	534.31
20.84	1.77	43.51	525.15
20.86	1.47	54.18	659.46
20.88	1.42	60.52	776.68
20.90	1.42	58.74	818.80
20.92	1.45	62.08	816.36
20.94	1.49	61.97	810.26
20.96	1.56	56.15	768.74
20.98	1.57	45.37	757.75
21.00	1.64	35.27	780.95

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	1.58	33.27	757.75
21.04	1.50	35.16	718.68
21.06	1.38	37.39	741.88
21.08	1.36	35.27	762.03
21.10	1.34	34.28	779.12
21.12	1.30	33.17	799.27
21.14	1.33	31.17	821.86
21.16	1.35	30.62	810.26
21.18	1.36	29.40	805.37
21.20	1.30	28.40	795.60
21.22	1.25	27.73	782.17
21.24	1.19	28.85	776.07
21.26	1.17	28.18	782.78
21.28	1.17	27.29	784.00
21.30	1.17	27.63	787.67
21.32	1.17	26.86	800.49
21.34	1.16	26.41	790.72
21.36	1.13	25.64	802.32
21.38	1.10	23.31	799.27
21.40	1.05	22.31	811.48
21.42	1.07	20.31	818.19
21.44	1.07	19.09	825.52
21.46	1.06	17.98	822.47
21.48	1.11	17.76	836.51
21.50	1.12	17.09	838.34
21.52	1.05	17.43	794.38
21.54	1.02	18.65	824.91
21.56	1.06	16.77	843.83
21.58	1.10	16.11	854.21
21.60	1.14	16.11	842.00
21.62	1.18	17.22	862.76
21.64	1.14	17.22	860.32
21.66	1.13	18.78	836.51
21.68	1.11	20.22	851.77
21.70	1.15	21.00	865.20
21.72	1.27	21.12	887.18
21.74	1.42	21.56	900.00
21.76	1.57	22.01	860.93
21.78	1.76	25.45	845.05
21.80	1.95	27.01	818.80
21.82	2.20	29.57	705.86
21.84	2.23	38.68	632.60
21.86	2.18	45.35	598.41
21.88	2.14	48.68	585.59
21.90	2.33	51.13	602.69
21.92	2.94	54.35	636.87
21.94	4.57	52.48	425.64
21.96	5.47	65.37	409.77
21.98	5.85	66.04	396.34
22.00	6.10	63.93	379.24

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N° 110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	6.47	68.26	365.81
22.04	7.01	62.93	359.10
22.06	7.49	55.82	354.21
22.08	7.98	51.26	351.16
22.10	8.73	57.04	351.16
22.12	9.24	55.04	348.72
22.14	9.49	57.15	343.83
22.16	9.77	61.37	338.95
22.18	9.74	59.82	332.23
22.20	9.48	52.59	327.35
22.22	9.15	52.93	324.30
22.24	9.07	57.48	324.91
22.26	9.08	59.81	326.13
22.28	9.01	63.14	326.13
22.30	8.96	70.58	327.35
22.32	9.02	72.47	329.18
22.34	9.07	70.14	330.40
22.36	8.98	68.91	329.18
22.38	9.09	69.68	331.62
22.40	9.46	69.57	335.90
22.42	10.05	67.02	343.83
22.44	10.64	67.68	351.16
22.46	10.94	69.68	355.43
22.48	11.00	72.01	356.04
22.50	10.94	78.78	356.04
22.52	11.05	88.44	358.49
22.54	11.40	95.89	363.98
22.56	11.74	100.88	369.47
22.58	11.87	103.99	372.53
22.60	11.81	114.10	373.14
22.62	11.77	121.87	372.53
22.64	11.75	127.09	373.14
22.66	11.71	128.20	373.75
22.68	11.60	127.86	372.53
22.70	11.46	128.52	371.92
22.72	11.53	134.96	373.14
22.74	11.71	132.29	375.58
22.76	11.86	129.40	377.41
22.78	12.23	127.62	382.91
22.80	13.00	125.17	394.51
22.82	14.20	121.61	410.38
22.84	15.15	120.83	420.76
22.86	15.33	121.83	412.21
22.88	15.20	124.15	400.00
22.90	14.95	120.59	385.96
22.92	14.30	111.37	373.14
22.94	13.92	114.12	318.80
22.96	13.86	123.90	316.36
22.98	13.79	126.01	314.53
23.00	13.71	124.01	313.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	13.56	120.35	311.48
23.04	13.40	124.23	310.87
23.06	12.99	125.01	307.81
23.08	12.46	123.23	303.54
23.10	12.01	118.12	299.88
23.12	11.62	116.23	297.44
23.14	11.39	115.23	295.60
23.16	11.22	113.45	294.38
23.18	11.14	111.00	294.38
23.20	11.07	108.77	293.16
23.22	11.04	105.44	293.77
23.24	11.12	104.77	294.99
23.26	11.31	103.88	296.83
23.28	11.66	103.65	299.27
23.30	11.97	101.10	302.32
23.32	12.18	101.42	303.54
23.34	12.13	103.87	302.93
23.36	12.03	107.98	302.93
23.38	12.01	112.09	302.32
23.40	12.06	114.86	302.93
23.42	12.12	117.08	303.54
23.44	12.09	120.86	304.15
23.46	11.97	124.63	302.93
23.48	11.71	127.08	301.10
23.50	11.59	128.52	299.88
23.52	11.73	129.96	301.10
23.54	11.97	132.96	304.15
23.56	12.17	134.52	305.37
23.58	12.13	137.85	305.37
23.60	12.00	136.74	304.76
23.62	12.03	135.51	304.76
23.64	12.08	137.96	304.76
23.66	12.00	139.73	303.54
23.68	11.73	140.39	301.10
23.70	11.12	140.50	294.99
23.72	10.35	135.83	286.45
23.74	9.32	135.50	275.46
23.76	8.12	133.39	263.25
23.78	6.87	131.16	250.43
23.80	5.44	135.83	236.39
23.82	4.32	146.27	226.62
23.84	3.83	153.05	226.62
23.86	3.59	160.82	232.72
23.88	3.18	162.48	240.05
23.90	2.60	147.82	254.70
23.92	2.09	122.93	323.69
23.94	1.87	89.63	420.15
23.96	1.69	85.97	420.76
23.98	1.44	76.31	439.68
24.00	1.33	59.53	555.07

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	1.27	48.64	669.84
24.04	1.24	40.31	730.28
24.06	1.20	29.65	764.47
24.08	1.21	21.65	805.98
24.10	1.31	17.88	865.81
24.12	1.36	16.43	865.81
24.14	1.33	16.66	846.89
24.16	1.32	17.88	831.01
24.18	1.31	19.22	832.23
24.20	1.33	19.44	837.73
24.22	1.43	19.78	843.83
24.24	1.93	20.22	924.42
24.26	2.50	21.34	996.46
24.28	2.72	29.45	1019.66
24.30	2.92	41.34	1147.25
24.32	3.35	54.12	1221.12
24.34	3.76	69.01	1205.86
24.36	3.43	98.35	1144.20
24.38	3.23	112.91	925.03
24.40	2.81	161.24	691.21
24.42	2.47	190.36	603.30
24.44	2.16	211.69	569.72
24.46	2.12	215.36	570.33
24.48	2.35	199.47	597.80
24.50	2.85	183.37	635.65
24.52	3.24	173.26	664.35
24.54	3.45	154.92	690.60
24.56	3.47	138.70	593.53
24.58	3.17	124.04	523.93
24.60	2.81	132.59	493.41
24.62	2.71	136.26	484.86
24.64	2.85	133.14	479.98
24.66	2.61	126.37	460.44
24.68	2.68	113.14	461.66
24.70	3.49	108.81	490.96
24.72	3.94	106.92	503.17
24.74	3.45	91.70	464.71
24.76	2.74	75.91	432.97
24.78	2.26	84.69	419.54
24.80	2.09	90.80	429.91
24.82	1.98	87.69	426.86
24.84	1.82	86.03	429.91
24.86	1.69	85.91	437.85
24.88	1.65	82.47	444.57
24.90	1.54	71.47	451.89
24.92	1.51	56.59	462.27
24.94	1.53	43.74	720.51
24.96	1.48	41.75	722.95
24.98	1.49	38.63	731.50
25.00	1.64	36.08	749.82

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 Cantiere SOVRAPASSO N° 110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda 3.50 ml

Prova **2**  
 Cert. N. 424/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	1.76	35.75	758.97
25.04	1.75	38.08	752.87
25.06	1.51	40.86	721.12
25.08	1.30	41.97	724.79
25.10	1.26	36.98	732.72
25.12	1.24	35.53	746.15
25.14	1.24	34.31	755.31
25.16	1.23	33.76	765.69
25.18	1.23	31.54	773.63
25.20	1.20	28.54	779.12
25.22	1.17	25.87	783.39
25.24	1.13	24.21	789.50
25.26	1.15	23.32	799.27
25.28	1.29	22.10	819.41
25.30	1.44	21.22	840.17
25.32	1.53	21.77	855.43
25.34	1.44	23.33	856.65
25.36	1.38	25.22	831.62
25.38	1.31	30.00	815.14
25.40	1.26	32.55	822.47
25.42	1.25	32.89	829.18
25.44	1.23	34.01	832.23
25.46	1.20	33.34	831.62
25.48	1.18	32.01	831.62
25.50	1.17	28.23	828.57
25.52	1.13	24.90	822.47
25.54	1.11	23.01	813.92
25.56	1.07	22.35	810.87
25.58	1.06	21.46	807.20
25.60	1.04	20.57	802.93
25.62	1.04	19.80	801.71
25.64	1.04	18.47	799.27
25.66	1.04	18.02	795.60
25.68	1.06	16.80	795.60
25.70	1.12	15.58	798.05
25.72	1.28	15.36	810.87
25.74	1.80	15.59	848.72
25.76	2.84	16.03	670.45
25.78	4.30	22.25	374.36
25.80	5.72	38.03	264.47
25.82	7.01	51.81	243.10
25.84	8.33	57.04	225.40
25.86	9.37	57.82	230.28
25.88	10.17	61.04	237.00
25.90	10.62	49.28	269.35
25.92	10.91	47.84	269.35
25.94	11.07	53.51	269.96
25.96	11.18	59.95	271.18
25.98	11.18	67.84	271.79
26.00	11.06	76.72	272.41

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	10.90	83.06	273.02
26.04	10.73	89.06	273.02
26.06	10.59	93.61	274.24
26.08	10.59	97.06	249.82
26.10	10.72	99.50	253.48
26.12	10.92	101.06	258.97
26.14	11.16	102.16	264.47
26.16	11.48	102.27	270.57
26.18	11.82	103.16	277.29
26.20	12.19	102.82	284.62
26.22	12.55	105.37	291.33
26.24	13.02	107.59	299.88
26.26	13.62	111.14	309.65
26.28	14.31	112.02	320.02
26.30	14.88	113.91	329.79
26.32	15.29	119.23	337.73
26.34	15.52	126.01	342.61
26.36	15.59	132.23	345.67
26.38	15.41	141.22	346.28
26.40	14.94	148.11	342.00
26.42	14.27	152.54	336.51
26.44	13.69	154.65	332.23
26.46	13.50	153.54	332.23
26.48	13.43	149.97	334.07
26.50	13.43	146.30	336.51
26.52	13.62	140.51	340.78
26.54	14.05	134.62	348.11
26.56	14.57	123.62	354.82
26.58	14.38	115.28	351.77
26.60	12.34	109.50	324.91
26.62	9.38	115.71	291.33
26.64	6.86	131.93	264.47
26.66	5.27	158.37	250.43
26.68	4.44	186.81	244.32
26.70	3.79	213.91	243.10
26.72	3.12	234.69	271.79
26.74	2.97	223.90	432.36
26.76	2.75	210.01	609.40
26.78	2.54	194.78	657.63
26.80	2.37	173.00	678.39
26.82	2.13	150.55	711.97
26.84	1.90	117.88	740.66
26.86	1.66	90.88	846.89
26.88	1.66	63.10	942.73
26.90	1.67	49.24	895.12
26.92	1.52	47.79	896.34
26.94	1.44	44.69	969.60
26.96	1.41	42.24	994.02
26.98	1.37	38.24	1009.89
27.00	1.40	31.80	1015.99

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	1.38	29.58	1012.94
27.04	1.40	27.80	1028.81
27.06	1.45	24.81	1035.53
27.08	1.54	23.14	1047.13
27.10	1.64	23.48	1058.12
27.12	1.66	23.48	1069.72
27.14	1.65	23.59	1034.92
27.16	1.64	28.15	1026.98
27.18	1.74	28.71	1034.31
27.20	1.88	28.71	1014.77
27.22	1.97	32.71	978.14
27.24	2.04	35.16	1000.73
27.26	2.28	37.05	998.90
27.28	2.69	41.61	1008.06
27.30	2.94	47.84	842.00
27.32	2.74	53.06	768.74
27.34	2.76	54.07	936.63
27.36	2.95	57.07	827.96
27.38	2.76	67.85	729.67
27.40	2.82	74.29	736.39
27.42	3.22	81.96	744.93
27.44	3.41	88.75	699.76
27.46	3.77	90.30	681.44
27.48	4.23	87.30	649.08
27.50	4.36	83.97	588.03
27.52	4.43	76.19	537.97
27.54	5.11	78.09	524.54
27.56	6.46	82.87	533.09
27.58	8.01	83.76	520.27
27.60	9.01	82.54	496.46
27.62	9.62	87.31	470.21
27.64	10.11	89.87	449.45
27.66	10.18	81.54	430.52
27.68	9.98	85.43	418.31
27.70	9.51	87.21	406.10
27.72	9.11	88.99	396.95
27.74	8.80	92.32	389.62
27.76	8.70	103.76	387.18
27.78	9.01	114.32	390.23
27.80	9.40	121.43	385.96
27.82	9.59	122.32	373.14
27.84	9.95	118.76	364.59
27.86	10.33	112.87	358.49
27.88	10.46	107.54	351.16
27.90	10.42	94.75	326.13
27.92	10.28	89.86	315.14
27.94	9.94	86.53	305.98
27.96	9.82	91.20	304.15
27.98	9.95	96.98	305.98
28.00	10.22	99.98	310.26

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	10.50	98.08	314.53
28.04	10.63	97.86	316.97
28.06	10.83	96.08	320.02
28.08	11.13	95.64	324.91
28.10	11.46	96.97	331.62
28.12	11.76	98.41	338.34
28.14	12.05	96.86	345.05
28.16	12.19	99.74	349.94
28.18	12.17	101.18	352.38
28.20	12.09	103.62	354.21
28.22	12.07	103.29	356.65
28.24	12.23	102.51	362.15
28.26	12.49	99.28	368.25
28.28	12.68	96.06	373.75
28.30	12.21	92.17	369.47
28.32	10.16	95.94	342.00
28.34	7.52	109.16	307.20
28.36	5.58	133.38	282.78
28.38	4.36	168.49	268.74
28.40	3.63	196.71	263.86
28.42	3.09	212.71	274.24
28.44	2.73	215.48	302.93
28.46	2.46	204.92	451.89
28.48	2.24	188.70	584.98
28.50	2.11	164.14	669.84
28.52	2.02	124.14	708.30
28.54	1.98	86.02	726.01
28.56	1.94	60.13	743.10
28.58	1.88	51.46	749.82
28.60	1.85	42.01	760.81
28.62	1.84	35.56	766.30
28.64	1.82	32.34	766.30
28.66	1.79	30.78	771.79
28.68	1.75	29.00	772.40
28.70	1.75	28.67	772.40
28.72	1.73	28.45	768.13
28.74	1.72	28.89	762.64
28.76	1.68	28.67	753.48
28.78	1.64	27.67	732.72
28.80	1.57	27.56	716.24
28.82	1.53	25.68	718.68
28.84	1.51	24.57	725.40
28.86	1.52	24.69	739.44
28.88	1.65	23.87	695.48
28.90	1.66	27.54	689.38
28.92	1.66	31.21	689.38
28.94	1.68	33.87	696.70
28.96	1.68	36.21	719.90
28.98	1.78	36.32	755.31
29.00	2.14	33.77	818.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	2.71	37.66	867.03
29.04	3.17	43.11	890.84
29.06	3.34	42.67	882.91
29.08	3.34	48.78	787.06
29.10	3.34	62.67	744.32
29.12	3.30	78.67	731.50
29.14	3.34	95.44	756.53
29.16	3.53	100.34	844.44
29.18	3.71	106.45	614.29
29.20	3.50	105.78	660.07
29.22	3.26	108.78	589.25
29.24	2.85	112.67	543.47
29.26	2.62	122.78	533.09
29.28	2.54	139.45	588.03
29.30	2.84	137.78	691.82
29.32	3.18	124.11	768.13
29.34	3.70	118.22	847.50
29.36	4.22	113.89	901.83
29.38	4.82	102.00	931.13
29.40	5.57	101.66	948.23
29.42	6.59	114.33	951.89
29.44	7.67	143.32	891.45
29.46	8.92	182.21	782.17
29.48	10.24	201.65	726.01
29.50	11.57	219.43	699.14
29.52	12.39	201.32	677.78
29.54	12.77	149.10	657.02
29.56	13.37	135.76	653.97
29.58	14.12	126.65	655.80
29.60	15.18	118.98	670.45
29.62	16.09	137.98	669.84
29.64	16.05	138.42	648.47
29.66	15.78	181.41	621.61
29.68	15.66	192.41	606.35
29.70	15.98	186.85	614.90
29.72	15.50	178.62	612.45
29.74	14.42	183.18	585.59
29.76	14.09	190.50	584.98
29.78	13.69	202.17	577.04
29.80	13.16	196.05	567.28
29.82	12.97	203.15	564.22
29.84	12.68	204.59	562.39
29.86	12.41	204.37	562.39
29.88	12.17	161.04	561.17
29.90	11.95	155.34	487.91
29.92	11.56	153.67	473.87
29.94	11.05	152.34	459.83
29.96	10.89	155.11	454.33
29.98	10.97	154.78	456.17
30.00	11.28	151.45	463.49

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	11.80	148.11	476.31
30.04	12.05	149.33	483.64
30.06	12.21	148.33	487.91
30.08	12.24	145.11	489.13
30.10	12.31	142.55	492.19
30.12	12.54	144.44	498.90
30.14	12.68	147.77	505.01
30.16	12.57	154.77	506.23
30.18	12.08	161.54	497.68
30.20	11.26	171.87	479.98
30.22	10.98	191.31	473.87
30.24	10.71	203.64	461.66
30.26	9.95	223.86	437.24
30.28	8.91	255.31	407.94
30.30	7.76	260.64	379.24
30.32	6.80	255.86	355.43
30.34	5.72	205.63	332.23
30.36	4.91	177.96	316.36
30.38	4.56	178.07	312.70
30.40	4.10	187.29	305.37
30.42	3.65	170.18	321.25
30.44	3.67	149.95	336.51
30.46	3.58	141.84	351.16
30.48	3.50	139.72	375.58
30.50	3.29	133.39	383.52
30.52	2.97	124.50	386.57
30.54	2.61	116.83	390.23
30.56	2.23	109.94	459.22
30.58	2.08	94.05	550.18
30.60	2.03	84.05	619.17
30.62	2.07	74.71	693.65
30.64	2.13	68.49	750.43
30.66	2.08	64.49	782.17
30.68	2.02	58.49	798.66
30.70	1.93	54.82	808.42
30.72	1.84	52.71	849.33
30.74	1.76	49.16	889.62
30.76	1.85	46.61	925.64
30.78	2.15	46.17	964.71
30.80	2.49	46.17	988.52
30.82	2.47	45.84	880.46
30.84	2.28	45.26	832.84
30.86	2.00	49.15	801.71
30.88	1.86	48.15	842.00
30.90	1.86	46.04	885.96
30.92	1.81	44.05	901.22
30.94	1.71	45.05	909.77
30.96	1.66	46.27	925.64
30.98	1.71	41.27	957.39
31.00	1.83	36.39	986.08

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	1.94	34.94	1011.11
31.04	2.17	33.83	1044.69
31.06	2.41	36.95	1081.93
31.08	2.29	41.28	1077.65
31.10	2.23	46.28	950.06
31.12	2.17	60.62	898.17
31.14	2.17	71.18	921.98
31.16	2.29	75.51	951.89
31.18	2.58	76.63	931.13
31.20	2.92	86.52	925.64
31.22	4.11	90.41	1006.84
31.24	6.88	93.97	1098.41
31.26	9.21	93.53	970.21
31.28	9.47	89.53	831.62
31.30	9.17	81.64	754.09
31.32	8.88	77.31	707.08
31.34	8.35	80.53	661.29
31.36	8.52	91.42	652.75
31.38	10.24	101.87	696.70
31.40	11.57	108.19	700.98
31.42	11.88	114.19	660.07
31.44	12.11	117.31	636.26
31.46	11.75	88.31	613.67
31.48	11.17	81.64	593.53
31.50	10.28	78.31	566.67
31.52	9.15	75.53	533.70
31.54	7.29	85.41	481.81
31.56	5.31	116.19	431.14
31.58	4.30	142.41	410.99
31.60	4.26	163.41	418.93
31.62	5.60	172.41	453.11
31.64	5.30	166.08	460.44
31.66	3.78	145.52	397.56
31.68	2.75	141.51	370.70
31.70	2.21	153.63	361.54
31.72	2.42	148.18	462.88
31.74	3.44	131.07	514.16
31.76	4.53	111.84	577.04
31.78	4.69	94.06	515.99
31.80	3.65	87.28	443.96
31.82	2.75	68.61	403.66
31.84	2.16	54.16	390.84
31.86	1.76	69.40	423.20
31.88	1.44	75.63	429.30
31.90	1.23	77.63	475.09
31.92	1.21	72.52	582.54
31.94	1.24	63.19	697.92
31.96	1.33	54.19	726.62
31.98	1.39	45.30	760.19
32.00	1.46	36.97	772.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	1.55	29.64	779.12
32.04	1.66	27.86	773.02
32.06	1.65	31.86	747.37
32.08	1.53	39.97	728.45
32.10	1.47	45.42	727.84
32.12	1.44	46.09	753.48
32.14	1.54	40.87	773.63
32.16	1.77	39.42	806.59
32.18	1.95	37.98	846.28
32.20	2.03	38.98	864.59
32.22	1.98	46.98	851.77
32.24	1.83	57.21	838.34
32.26	1.64	65.10	837.12
32.28	1.56	68.88	834.07
32.30	1.47	71.99	831.01
32.32	1.44	69.44	834.68
32.34	1.42	64.22	837.73
32.36	1.40	54.66	842.00
32.38	1.37	44.89	846.89
32.40	1.37	36.33	850.55
32.42	1.38	31.00	854.21
32.44	1.37	28.22	860.93
32.46	1.43	26.56	870.08
32.48	1.53	25.34	882.29
32.50	1.64	24.67	881.07
32.52	1.74	26.90	878.02
32.54	1.90	29.01	884.13
32.56	2.13	32.01	896.34
32.58	2.61	34.45	900.00
32.60	3.42	38.23	876.19
32.62	4.97	44.23	844.44
32.64	7.46	54.79	685.71
32.66	9.86	68.79	669.84
32.68	11.11	76.35	644.20
32.70	11.46	68.91	616.12
32.72	11.54	59.91	599.63
32.74	11.44	53.14	591.09
32.76	11.21	57.25	581.93
32.78	11.12	65.25	578.27
32.80	11.47	73.58	591.09
32.82	12.02	87.92	605.74
32.84	11.84	107.36	581.32
32.86	11.78	119.81	562.39
32.88	12.26	112.47	511.72
32.90	12.71	115.80	505.62
32.92	12.54	108.25	489.74
32.94	11.77	108.36	466.54
32.96	9.94	100.58	425.64
32.98	8.38	114.57	392.67
33.00	8.20	128.57	388.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	8.42	156.80	392.06
33.04	9.52	181.13	415.87
33.06	11.70	189.46	462.88
33.08	13.66	176.35	504.40
33.10	14.13	156.23	510.50
33.12	14.37	140.12	513.55
33.14	14.56	122.79	522.10
33.16	14.02	99.67	516.61
33.18	13.71	104.66	519.05
33.20	13.49	113.22	525.76
33.22	13.25	131.99	531.26
33.24	12.86	152.54	535.53
33.26	12.34	175.64	536.14
33.28	12.19	188.75	540.41
33.30	12.48	180.97	556.90
33.32	12.66	172.74	566.06
33.34	12.54	162.63	566.06
33.36	12.30	151.84	564.22
33.38	12.11	148.62	566.67
33.40	12.03	140.28	574.60
33.42	12.04	138.83	583.15
33.44	12.10	143.04	592.92
33.46	11.72	155.26	589.87
33.48	11.57	167.14	591.70
33.50	12.64	180.69	628.94
33.52	14.68	194.24	696.09
33.54	14.95	199.57	690.60
33.56	14.62	198.23	674.11
33.58	14.16	168.34	661.29
33.60	14.12	167.00	666.79
33.62	14.29	165.22	680.22
33.64	14.67	163.99	703.42
33.66	15.02	161.87	724.79
33.68	14.81	159.52	708.91
33.70	14.71	157.52	698.53
33.72	14.47	164.30	687.55
33.74	14.00	171.63	669.84
33.76	13.41	172.52	649.69
33.78	12.94	175.07	634.43
33.80	12.72	178.74	625.88
33.82	12.76	184.62	625.27
33.84	12.97	188.29	629.55
33.86	12.93	185.39	622.83
33.88	12.61	177.39	606.35
33.90	12.12	162.00	393.28
33.92	12.17	150.33	386.57
33.94	12.30	142.67	384.74
33.96	12.44	137.56	384.74
33.98	12.52	135.01	385.35
34.00	12.71	128.45	386.57

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N° 110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. **424/2011**  
 Emesso il **11/04/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	12.95	124.56	390.23
34.04	13.13	123.00	394.51
34.06	13.19	127.89	395.73
34.08	13.14	133.22	397.56
34.10	13.20	133.67	399.39
34.12	13.24	136.45	403.05
34.14	13.30	146.67	407.33
34.16	13.61	154.67	416.48
34.18	14.02	160.78	425.64
34.20	14.20	163.22	431.14
34.22	14.61	163.88	439.68
34.24	14.86	168.44	447.62
34.26	15.47	169.99	459.83
34.28	16.08	163.88	470.82
34.30	16.50	162.87	478.75
34.32	16.74	163.54	483.64
34.34	17.03	162.20	490.96
34.36	17.14	162.65	497.07
34.38	16.80	170.09	495.85
34.40	15.98	171.42	484.25
34.42	15.01	174.42	467.77
34.44	14.25	169.97	454.94
34.46	13.72	165.75	445.18
34.48	13.44	159.52	440.29
34.50	13.36	156.63	439.07
34.52	13.32	150.85	438.46
34.54	13.39	145.52	437.85
34.56	13.65	139.52	440.90
34.58	13.85	138.51	443.96
34.60	14.00	138.84	445.18
34.62	14.19	144.73	446.40
34.64	14.50	154.29	451.89
34.66	14.64	161.51	453.11
34.68	14.35	172.62	445.79
34.70	14.71	180.07	443.35
34.72	14.67	183.51	436.63
34.74	14.49	185.96	428.08
34.76	14.13	183.41	417.09
34.78	13.76	183.74	406.72
34.80	13.47	182.74	399.39
34.82	13.25	176.08	392.67
34.84	13.03	168.97	387.79
34.86	14.06	111.04	389.01
34.88	15.04	110.38	403.05
34.90	15.11	121.94	401.83
34.92	15.60	127.49	411.60
34.94	16.57	137.83	432.97
34.96	17.54	143.49	456.78
34.98	18.42	145.27	480.59
35.00	19.24	149.94	505.01

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	20.63	153.49	544.08
35.04	22.37	152.71	597.19
35.06	23.68	153.60	646.64
35.08	24.41	158.70	683.27
35.10	24.42	163.48	707.69
35.12	24.03	168.92	723.56
35.14	23.53	172.25	732.11
35.16	22.92	183.03	738.22
35.18	22.48	192.80	747.37
35.20	21.88	194.69	746.15
35.22	21.01	195.13	732.72
35.24	19.85	199.46	706.47
35.26	18.70	201.35	678.39
35.28	17.64	199.23	653.97
35.30	16.97	192.01	640.54
35.32	17.00	182.34	646.03
35.34	17.58	171.56	664.35
35.36	18.72	158.33	705.25
35.38	19.20	147.44	724.18
35.40	18.79	138.78	715.63
35.42	18.32	132.99	702.20
35.44	17.97	126.88	692.43
35.46	17.73	127.21	685.71
35.48	17.82	130.10	689.38
35.50	18.32	133.32	706.47
35.52	18.91	132.10	727.23
35.54	19.48	128.10	746.76
35.56	20.09	123.87	768.13
35.58	20.56	122.87	785.84
35.60	20.67	125.87	790.72
35.62	20.68	125.09	788.89
35.64	20.61	126.31	780.95
35.66	20.64	131.97	776.68
35.68	20.72	138.42	773.63
35.70	20.61	143.98	764.47
35.72	20.31	151.65	745.54
35.74	20.44	151.65	726.01
35.76	20.45	150.76	708.30
35.78	20.46	148.43	690.60
35.80	20.29	147.43	669.23
35.82	20.03	148.99	647.25
35.84	19.64	147.76	624.66
35.86	25.81	106.85	655.19
35.88	23.99	110.29	608.79
35.90	22.21	118.52	569.11
35.92	21.10	129.19	550.18
35.94	20.33	139.19	541.03
35.96	19.85	144.63	539.80
35.98	19.46	151.52	541.64
36.00	19.03	158.74	543.47

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	18.49	156.52	541.03
36.04	17.90	151.96	536.14
36.06	17.45	147.18	532.48
36.08	17.05	143.62	528.82
36.10	16.73	143.50	525.15
36.12	16.44	144.61	520.88
36.14	16.18	146.38	516.61
36.16	15.92	145.71	512.33
36.18	15.68	144.48	506.23
36.20	15.56	146.59	503.17
36.22	15.38	149.59	496.46
36.24	15.19	152.03	488.52
36.26	15.06	153.26	482.42
36.28	14.78	154.70	472.65
36.30	14.54	155.70	463.49
36.32	14.60	158.37	460.44
36.34	15.23	160.81	468.99
36.36	16.09	164.59	486.08
36.38	16.81	164.26	499.51
36.40	17.43	166.04	510.50
36.42	18.07	164.82	522.71
36.44	18.54	166.04	531.87
36.46	18.86	168.71	539.19
36.48	19.21	178.04	546.52
36.50	19.63	186.26	555.68
36.52	20.19	191.93	569.72
36.54	20.56	198.71	581.32
36.56	20.61	207.16	585.59
36.58	20.30	210.60	578.88
36.60	19.95	211.05	568.50
36.62	19.02	214.83	537.36
36.64	18.42	216.49	511.72
36.66	17.68	218.94	484.86
36.68	16.83	220.05	456.78
36.70	15.98	217.38	430.52
36.72	15.25	216.60	406.72
36.74	14.68	215.49	387.79
36.76	14.38	211.60	374.36
36.78	14.33	205.49	363.37
36.80	14.46	199.94	354.82
36.82	14.65	191.16	345.05
36.84	14.96	184.61	338.95
36.86	15.36	179.06	334.07
36.88	20.47	115.84	457.39
36.90	19.74	121.95	440.29
36.92	19.21	133.18	431.75
36.94	18.87	144.18	430.52
36.96	18.83	152.51	437.24
36.98	19.04	161.40	449.45
37.00	19.16	173.18	460.44



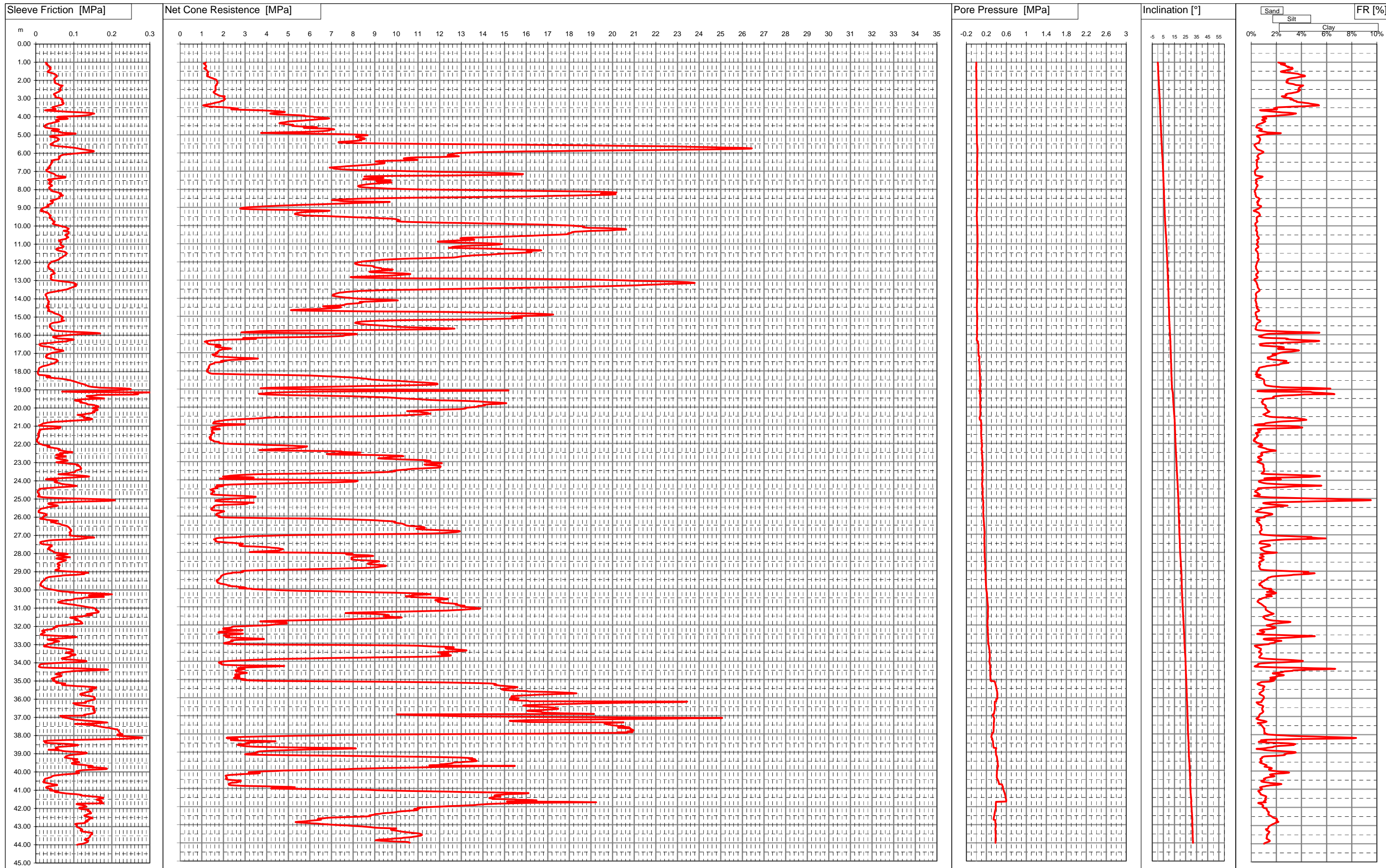


Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Operatore **DR.STANZANI**  
 Prova nr. **1** Cert. N. **423/2011**  
 Data **11\04\11** Emesso il **11/04/11**  
 Falda **0.00 ml**  
 Preforo **1.00 m. p.c.**

**MN-CPTU10**



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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11\04\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	1.19	26.16	-2.80
1.04	1.17	27.28	-2.80
1.06	1.13	29.28	-2.80
1.08	1.08	29.95	-2.80
1.10	1.13	28.84	-2.80
1.12	1.14	27.51	-2.80
1.14	1.15	29.95	-2.80
1.16	1.17	31.29	-2.80
1.18	1.19	33.29	-2.80
1.20	1.20	34.18	-2.80
1.22	1.20	34.41	-2.80
1.24	1.20	36.19	-3.38
1.26	1.19	36.86	-3.38
1.28	1.19	35.75	-2.80
1.30	1.17	39.37	-3.96
1.32	1.13	38.03	-3.96
1.34	1.11	37.59	-3.96
1.36	1.13	38.48	-3.96
1.38	1.17	39.15	-3.96
1.40	1.19	38.48	-3.38
1.42	1.22	36.93	-2.80
1.44	1.22	35.15	-2.21
1.46	1.23	34.27	-1.63
1.48	1.24	32.27	-1.05
1.50	1.27	31.82	-1.05
1.52	1.28	30.94	-1.05
1.54	1.30	32.27	-1.05
1.56	1.30	35.61	-0.47
1.58	1.29	39.61	-0.47
1.60	1.25	42.94	-0.47
1.62	1.26	45.84	-0.47
1.64	1.26	48.51	-0.47
1.66	1.28	50.51	-0.47
1.68	1.29	51.84	-0.47
1.70	1.28	53.18	-0.47
1.72	1.26	54.74	-0.47
1.74	1.25	55.63	-0.47
1.76	1.25	56.07	-0.47
1.78	1.25	55.63	-0.47
1.80	1.32	54.30	-0.47
1.82	1.35	52.97	-0.47
1.84	1.37	51.63	-0.47
1.86	1.43	50.75	-0.47
1.88	1.50	49.86	-0.47
1.90	1.54	48.53	0.11
1.92	1.57	48.31	0.11
1.94	1.62	48.31	0.11
1.96	1.66	48.98	0.70
1.98	1.68	49.42	0.70
2.00	1.68	50.31	1.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	1.69	50.76	1.28
2.04	1.70	50.76	1.86
2.06	1.72	49.43	1.86
2.08	1.72	49.65	1.86
2.10	1.72	49.65	2.44
2.12	1.72	49.88	2.44
2.14	1.72	51.66	2.44
2.16	1.72	52.77	2.44
2.18	1.70	55.21	2.44
2.20	1.69	58.11	2.44
2.22	1.69	60.33	1.86
2.24	1.69	61.00	2.44
2.26	1.68	62.11	1.86
2.28	1.64	70.80	1.86
2.30	1.64	69.47	1.86
2.32	1.64	68.80	1.86
2.34	1.64	67.02	1.86
2.36	1.63	66.58	1.86
2.38	1.64	65.91	1.86
2.40	1.63	65.24	1.86
2.42	1.64	64.36	1.86
2.44	1.64	64.13	1.86
2.46	1.64	64.36	1.86
2.48	1.64	64.13	1.86
2.50	1.64	64.58	1.86
2.52	1.63	66.36	1.28
2.54	1.63	65.69	1.86
2.56	1.64	64.13	1.86
2.58	1.63	62.80	1.28
2.60	1.58	62.58	1.86
2.62	1.57	60.80	1.28
2.64	1.54	58.58	1.28
2.66	1.54	55.91	1.28
2.68	1.56	54.58	1.28
2.70	1.59	52.36	1.86
2.72	1.62	50.36	1.28
2.74	1.63	48.13	1.86
2.76	1.66	47.25	1.86
2.78	1.71	47.91	1.86
2.80	1.74	49.47	1.86
2.82	1.76	50.80	1.86
2.84	1.82	51.03	1.86
2.86	1.87	52.14	1.86
2.88	2.07	51.47	1.86
2.90	1.98	51.03	1.86
2.92	2.01	52.80	1.86
2.94	2.02	55.25	1.86
2.96	2.05	60.36	1.86
2.98	2.02	65.25	1.86
3.00	2.05	68.14	1.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	2.07	69.25	1.86
3.04	2.08	66.59	1.86
3.06	2.05	68.36	1.86
3.08	2.02	70.36	1.86
3.10	2.02	70.59	1.86
3.12	2.00	70.14	1.86
3.14	1.90	71.25	1.86
3.16	1.88	70.81	1.86
3.18	1.84	68.81	1.86
3.20	1.76	69.92	1.86
3.22	1.69	71.48	1.86
3.24	1.62	73.03	1.86
3.26	1.55	73.70	1.86
3.28	1.49	73.04	1.86
3.30	1.40	71.26	1.86
3.32	1.30	69.93	1.86
3.34	1.20	67.04	1.86
3.36	1.12	63.26	1.86
3.38	1.06	60.60	1.86
3.40	1.09	57.04	1.86
3.42	1.18	53.26	1.86
3.44	1.35	49.04	1.86
3.46	1.60	45.48	1.86
3.48	1.93	43.48	2.44
3.50	2.18	44.37	2.44
3.52	2.39	45.48	2.44
3.54	2.58	47.93	2.44
3.56	2.67	51.71	2.44
3.58	2.49	52.15	2.44
3.60	2.37	48.15	2.44
3.62	2.72	33.26	3.02
3.64	3.44	24.15	3.02
3.66	3.89	30.82	3.60
3.68	4.28	51.04	3.60
3.70	4.51	68.15	4.19
3.72	4.67	85.49	4.19
3.74	4.84	102.37	4.19
3.76	4.82	121.93	4.19
3.78	4.48	138.15	3.60
3.80	4.30	148.15	3.60
3.82	4.17	153.93	4.19
3.84	4.17	148.81	4.19
3.86	4.31	146.81	4.19
3.88	4.50	145.03	4.19
3.90	5.00	141.25	4.77
3.92	5.49	131.47	5.35
3.94	5.76	123.25	5.35
3.96	5.70	105.69	5.35
3.98	5.89	74.13	5.35
4.00	6.14	59.46	5.93

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11\04\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	6.21	55.24	5.93
4.04	6.42	60.12	5.93
4.06	6.67	74.12	5.93
4.08	6.85	81.90	6.51
4.10	6.90	84.12	6.51
4.12	6.75	78.56	6.51
4.14	6.46	61.90	6.51
4.16	6.21	55.45	6.51
4.18	6.03	52.78	6.51
4.20	5.84	53.45	6.51
4.22	5.63	59.23	6.51
4.24	5.40	61.01	6.51
4.26	5.04	57.67	6.51
4.28	4.98	53.89	6.51
4.30	4.86	49.67	6.51
4.32	4.75	45.45	6.51
4.34	4.63	42.12	6.51
4.36	4.59	38.34	6.51
4.38	4.65	34.56	7.09
4.40	4.77	31.01	7.09
4.42	4.94	28.34	7.09
4.44	5.11	27.01	7.09
4.46	5.24	25.23	7.09
4.48	5.19	23.67	7.09
4.50	5.17	22.56	7.09
4.52	5.29	22.78	7.09
4.54	5.61	23.67	7.67
4.56	6.03	23.89	7.67
4.58	6.33	25.23	7.67
4.60	6.14	29.01	7.67
4.62	5.72	35.23	7.67
4.64	6.15	42.12	8.25
4.66	6.89	49.89	8.25
4.68	7.02	59.23	8.25
4.70	7.13	61.45	8.25
4.72	6.96	57.01	8.25
4.74	6.89	49.45	8.25
4.76	6.90	42.11	8.25
4.78	6.74	46.11	8.83
4.80	6.53	55.45	8.83
4.82	6.25	63.00	8.25
4.84	5.73	65.89	8.25
4.86	4.92	64.33	7.67
4.88	4.16	73.22	7.67
4.90	3.74	90.33	7.67
4.92	4.44	105.00	8.25
4.94	5.90	95.88	8.83
4.96	7.14	89.21	8.83
4.98	8.03	80.55	9.42
5.00	8.53	70.10	9.42

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	8.67	59.65	9.42
5.04	8.54	44.99	9.42
5.06	8.36	39.87	9.42
5.08	8.22	37.43	10.00
5.10	8.12	38.76	10.00
5.12	8.14	46.98	10.00
5.14	8.24	53.87	10.00
5.16	8.36	56.54	10.58
5.18	8.50	57.65	10.58
5.20	8.53	58.98	10.58
5.22	8.53	60.31	10.58
5.24	8.52	61.42	10.58
5.26	8.29	57.86	10.00
5.28	8.32	58.31	10.00
5.30	8.38	58.08	10.00
5.32	8.26	56.53	10.00
5.34	8.06	53.86	10.00
5.36	7.81	50.53	10.00
5.38	7.51	48.30	10.00
5.40	7.32	46.97	10.00
5.42	7.32	45.86	10.00
5.44	7.58	44.53	10.58
5.46	8.32	42.30	11.16
5.48	9.61	39.86	11.74
5.50	11.41	38.74	12.32
5.52	13.37	38.52	12.90
5.54	15.30	40.08	13.49
5.56	17.15	42.52	14.65
5.58	18.90	47.41	15.23
5.60	20.12	54.74	15.81
5.62	21.47	63.85	16.98
5.64	22.82	71.63	17.56
5.66	23.59	81.63	18.14
5.68	24.37	91.62	19.30
5.70	25.16	100.73	19.88
5.72	26.04	106.95	20.46
5.74	26.44	111.84	21.05
5.76	26.42	117.39	21.63
5.78	25.85	122.06	21.63
5.80	24.58	127.83	21.63
5.82	23.27	134.94	21.63
5.84	21.61	142.49	21.63
5.86	20.02	149.59	21.63
5.88	18.63	152.70	21.63
5.90	17.25	152.69	21.05
5.92	15.80	149.13	21.05
5.94	14.63	142.46	20.46
5.96	13.79	133.35	21.05
5.98	13.23	122.67	21.05
6.00	12.94	111.56	21.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	12.76	100.66	21.05
6.04	12.68	89.77	21.05
6.06	12.56	80.43	21.05
6.08	12.45	73.09	21.05
6.10	12.38	69.31	21.05
6.12	12.37	66.87	20.46
6.14	12.48	65.08	20.46
6.16	12.71	63.75	20.46
6.18	12.89	61.97	20.46
6.20	12.61	60.63	20.46
6.22	11.99	63.30	20.46
6.24	10.97	60.87	16.98
6.26	10.65	61.31	16.40
6.28	10.44	61.98	16.40
6.30	10.34	61.76	16.40
6.32	10.37	60.87	16.40
6.34	10.57	57.53	16.40
6.36	10.87	50.65	16.98
6.38	10.98	45.76	16.98
6.40	10.76	42.42	16.98
6.42	9.98	42.20	16.40
6.44	9.29	44.42	15.81
6.46	9.03	44.20	15.81
6.48	9.08	43.53	15.81
6.50	9.23	43.09	15.81
6.52	9.44	41.53	15.81
6.54	9.45	40.65	15.81
6.56	9.45	41.76	15.81
6.58	9.42	40.42	15.81
6.60	9.25	39.76	15.81
6.62	9.06	39.54	15.23
6.64	8.89	39.31	15.23
6.66	8.64	38.20	15.23
6.68	8.35	37.09	15.23
6.70	8.07	36.20	14.65
6.72	7.83	36.20	14.65
6.74	7.63	35.54	14.07
6.76	7.44	34.20	14.07
6.78	7.17	33.76	14.07
6.80	6.90	36.65	14.07
6.82	7.02	35.98	14.07
6.84	7.10	34.87	14.07
6.86	7.10	32.43	13.49
6.88	7.25	30.87	14.07
6.90	7.50	28.65	14.07
6.92	7.74	27.32	14.07
6.94	8.23	27.54	14.07
6.96	8.95	28.43	14.65
6.98	9.78	28.88	15.23
7.00	10.49	29.99	15.23

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	11.20	34.21	15.81
7.04	12.15	35.99	16.40
7.06	13.14	37.54	16.98
7.08	13.94	39.77	17.56
7.10	14.66	43.10	17.56
7.12	15.28	45.99	18.14
7.14	15.62	48.88	18.14
7.16	15.85	49.77	18.72
7.18	15.82	50.88	18.72
7.20	15.31	51.55	18.14
7.22	13.93	52.21	17.56
7.24	12.32	55.99	16.98
7.26	10.15	60.44	14.65
7.28	8.73	74.67	14.07
7.30	8.52	77.78	14.07
7.32	9.04	77.11	14.07
7.34	9.39	77.78	14.65
7.36	9.37	69.78	14.65
7.38	9.40	59.55	14.65
7.40	9.01	50.66	14.07
7.42	8.58	42.21	14.07
7.44	8.46	35.77	14.07
7.46	8.65	31.99	14.07
7.48	9.18	33.32	14.65
7.50	9.74	35.99	14.65
7.52	9.57	36.21	14.65
7.54	9.24	41.54	14.65
7.56	9.07	41.54	14.07
7.58	9.14	41.10	14.07
7.60	9.68	39.54	14.65
7.62	9.78	36.21	14.65
7.64	9.61	34.21	14.65
7.66	9.33	34.21	14.65
7.68	9.14	35.10	14.65
7.70	8.89	36.88	14.07
7.72	8.68	38.43	14.07
7.74	8.58	40.65	14.07
7.76	8.45	42.43	14.07
7.78	8.36	43.10	14.07
7.80	8.28	41.76	14.07
7.82	8.22	39.54	14.07
7.84	8.23	37.98	14.07
7.86	8.28	36.87	14.07
7.88	8.35	35.54	14.07
7.90	8.51	34.87	14.07
7.92	8.84	34.87	14.07
7.94	9.20	35.76	14.65
7.96	9.60	36.65	14.65
7.98	10.13	37.32	15.23
8.00	10.85	39.10	15.81

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	11.85	41.54	16.40
8.04	13.05	39.98	16.98
8.06	14.41	42.43	17.56
8.08	15.93	43.54	18.14
8.10	17.36	46.65	19.30
8.12	18.49	50.21	19.88
8.14	19.39	55.76	19.88
8.16	19.99	57.98	20.46
8.18	20.18	61.76	20.46
8.20	20.03	66.43	20.46
8.22	19.74	66.87	20.46
8.24	19.46	62.87	19.30
8.26	19.95	64.43	19.30
8.28	20.14	66.43	19.88
8.30	19.86	69.76	19.88
8.32	19.18	71.54	19.30
8.34	18.27	68.65	19.30
8.36	17.37	64.20	18.72
8.38	16.82	63.31	18.72
8.40	15.96	62.87	18.72
8.42	14.59	61.53	18.14
8.44	12.83	62.86	17.56
8.46	11.09	61.53	16.98
8.48	9.85	60.19	16.98
8.50	9.00	56.63	16.40
8.52	8.34	54.41	16.40
8.54	7.82	52.18	15.81
8.56	7.38	48.85	15.81
8.58	7.07	44.18	15.81
8.60	7.01	40.40	15.81
8.62	7.30	38.62	15.81
8.64	7.39	39.95	15.81
8.66	7.55	44.84	15.81
8.68	8.95	45.28	16.40
8.70	9.69	43.95	16.98
8.72	9.24	44.39	16.40
8.74	8.57	43.95	15.81
8.76	8.08	42.39	15.81
8.78	7.62	39.28	15.23
8.80	7.14	35.95	14.65
8.82	6.64	35.06	14.65
8.84	6.13	31.06	14.07
8.86	5.65	30.17	14.07
8.88	5.15	33.06	13.49
8.90	4.68	34.17	12.90
8.92	4.27	34.17	12.90
8.94	3.91	31.06	12.32
8.96	3.60	27.28	12.32
8.98	3.30	23.95	11.74
9.00	3.07	21.06	11.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	2.91	18.84	11.16
9.04	2.80	17.51	11.16
9.06	2.77	15.95	11.16
9.08	2.87	14.62	11.16
9.10	3.24	13.51	11.16
9.12	3.98	14.63	11.16
9.14	5.08	17.07	11.74
9.16	6.35	13.96	12.32
9.18	6.92	13.52	12.32
9.20	6.78	18.85	11.74
9.22	6.44	24.41	11.74
9.24	6.14	29.30	11.74
9.26	5.72	26.94	7.67
9.28	5.57	31.16	7.67
9.30	5.46	33.38	7.67
9.32	5.38	34.27	7.67
9.34	5.32	34.49	7.67
9.36	5.30	34.93	7.67
9.38	5.34	35.60	7.67
9.40	5.42	37.16	7.67
9.42	5.52	39.38	8.25
9.44	5.74	39.15	8.25
9.46	6.16	38.27	8.83
9.48	6.80	38.49	8.83
9.50	7.23	36.93	9.42
9.52	7.65	36.26	9.42
9.54	8.13	35.59	10.00
9.56	8.56	36.26	10.00
9.58	8.98	39.37	10.58
9.60	9.39	42.03	10.58
9.62	9.77	43.37	11.16
9.64	9.95	43.15	11.16
9.66	10.02	43.59	11.16
9.68	10.10	44.26	11.16
9.70	10.14	44.70	11.74
9.72	10.12	45.59	11.74
9.74	10.04	48.03	11.74
9.76	10.04	50.25	11.74
9.78	10.22	49.59	12.32
9.80	10.59	48.47	12.32
9.82	11.22	47.36	12.90
9.84	12.06	45.81	13.49
9.86	13.07	44.69	13.49
9.88	14.00	44.69	14.07
9.90	14.85	46.91	14.65
9.92	15.74	50.25	15.23
9.94	16.53	53.80	15.23
9.96	17.12	58.02	15.81
9.98	17.67	62.02	16.40
10.00	18.09	65.79	16.98

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11\04\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	18.33	70.02	16.98
10.04	18.56	74.23	17.56
10.06	18.70	77.78	17.56
10.08	18.71	80.00	17.56
10.10	18.65	81.56	18.14
10.12	18.87	84.22	18.14
10.14	19.63	86.44	18.72
10.16	20.29	86.44	19.30
10.18	20.54	85.10	19.88
10.20	20.62	83.77	19.88
10.22	20.62	82.65	20.46
10.24	20.17	82.42	20.46
10.26	19.92	73.08	19.30
10.28	19.43	77.75	18.72
10.30	18.92	83.53	18.72
10.32	18.57	86.42	18.72
10.34	18.27	85.75	19.30
10.36	18.12	85.75	19.30
10.38	18.14	86.63	19.88
10.40	18.08	86.41	20.46
10.42	17.94	85.07	20.46
10.44	18.00	83.52	21.05
10.46	17.97	81.73	21.63
10.48	17.88	78.84	21.63
10.50	17.46	77.51	21.63
10.52	17.04	79.06	22.21
10.54	16.66	80.84	22.21
10.56	16.22	80.84	22.21
10.58	15.76	81.72	22.21
10.60	15.22	84.61	22.21
10.62	14.68	85.72	22.21
10.64	14.04	82.83	22.21
10.66	13.43	81.05	21.63
10.68	13.06	80.38	21.63
10.70	12.96	79.71	22.21
10.72	13.02	76.15	22.21
10.74	13.24	70.59	22.21
10.76	13.51	66.37	22.79
10.78	13.61	62.81	22.79
10.80	13.32	60.37	22.79
10.82	12.90	61.48	22.21
10.84	12.48	62.36	22.21
10.86	12.16	64.14	22.21
10.88	11.91	66.36	21.63
10.90	12.03	67.25	22.21
10.92	12.41	66.36	22.79
10.94	12.98	65.70	22.79
10.96	13.72	65.47	22.79
10.98	14.43	64.36	23.37
11.00	14.76	64.80	23.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	14.88	65.25	23.37
11.04	14.79	65.47	22.79
11.06	14.55	67.47	22.79
11.08	14.14	69.03	22.21
11.10	13.59	71.47	22.21
11.12	13.13	73.69	21.63
11.14	12.86	73.03	21.63
11.16	12.71	71.69	21.63
11.18	12.58	69.69	21.63
11.20	12.58	66.80	21.63
11.22	12.42	57.49	18.72
11.24	13.06	55.71	18.72
11.26	13.80	54.38	19.30
11.28	14.63	53.94	19.88
11.30	15.27	55.05	20.46
11.32	15.79	56.83	21.05
11.34	16.36	58.38	21.05
11.36	16.70	61.71	21.63
11.38	16.56	66.83	21.05
11.40	16.21	72.16	20.46
11.42	16.04	76.38	20.46
11.44	16.09	78.38	21.05
11.46	16.25	79.71	21.05
11.48	16.13	80.82	21.05
11.50	15.83	81.27	21.05
11.52	15.44	81.04	21.05
11.54	15.04	80.82	20.46
11.56	14.72	79.71	20.46
11.58	14.52	78.82	21.05
11.60	14.29	77.71	21.05
11.62	13.92	76.37	20.46
11.64	13.60	73.93	20.46
11.66	13.35	72.59	20.46
11.68	13.13	71.48	21.05
11.70	12.96	70.37	21.05
11.72	12.88	69.70	21.05
11.74	12.82	67.25	21.05
11.76	12.64	64.14	21.05
11.78	11.99	62.59	20.46
11.80	11.21	62.81	19.88
11.82	10.56	61.70	19.30
11.84	10.05	60.14	18.72
11.86	9.69	57.92	18.14
11.88	9.39	55.47	18.14
11.90	9.17	53.03	18.14
11.92	8.99	49.25	17.56
11.94	8.80	45.69	17.56
11.96	8.61	43.02	17.56
11.98	8.45	40.80	16.98
12.00	8.36	39.47	16.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	8.24	38.36	16.98
12.04	8.16	37.47	16.40
12.06	8.09	36.58	16.40
12.08	8.08	35.70	16.40
12.10	8.09	34.81	16.40
12.12	8.12	34.14	15.81
12.14	8.18	33.47	15.81
12.16	8.24	33.48	15.81
12.18	8.36	33.48	15.81
12.20	8.58	33.26	15.81
12.22	8.81	31.96	13.49
12.24	8.96	32.18	12.90
12.26	8.95	33.52	12.90
12.28	8.95	34.41	12.90
12.30	9.03	35.07	12.90
12.32	9.15	35.08	12.90
12.34	9.30	34.41	12.90
12.36	9.30	35.96	12.32
12.38	9.31	37.52	12.32
12.40	9.61	40.41	12.90
12.42	9.83	43.52	12.90
12.44	9.79	45.30	12.90
12.46	9.63	44.63	12.32
12.48	9.39	44.63	12.32
12.50	9.08	44.63	12.32
12.52	8.83	46.86	12.32
12.54	8.74	47.08	12.32
12.56	8.79	47.97	12.32
12.58	9.03	49.30	12.32
12.60	9.46	50.19	12.32
12.62	9.95	48.86	12.90
12.64	10.39	44.64	13.49
12.66	10.65	41.75	13.49
12.68	10.64	41.08	13.49
12.70	10.40	40.64	12.90
12.72	10.17	39.30	12.90
12.74	9.99	39.53	12.90
12.76	9.62	39.75	12.32
12.78	9.08	40.64	12.32
12.80	8.56	41.08	12.32
12.82	8.09	41.53	11.74
12.84	7.88	39.97	11.74
12.86	8.01	39.53	12.32
12.88	8.64	39.30	12.90
12.90	10.22	39.30	13.49
12.92	13.09	39.75	15.23
12.94	16.09	41.75	16.40
12.96	18.00	43.08	17.56
12.98	19.24	47.08	18.14
13.00	19.95	53.97	18.72

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	20.50	61.97	19.30
13.04	21.02	69.97	19.88
13.06	21.72	78.41	21.05
13.08	22.51	86.41	21.63
13.10	23.18	93.53	22.79
13.12	23.49	98.63	23.37
13.14	23.72	101.74	23.95
13.16	23.80	103.52	23.95
13.18	23.56	104.85	24.53
13.20	23.11	107.29	24.53
13.22	22.45	102.39	23.37
13.24	22.09	104.40	22.79
13.26	21.61	105.50	22.21
13.28	21.20	106.17	22.21
13.30	20.82	105.06	22.21
13.32	20.29	102.39	22.21
13.34	19.60	99.50	21.63
13.36	18.91	98.17	21.63
13.38	18.29	95.05	21.63
13.40	17.32	92.16	21.05
13.42	16.20	89.05	21.05
13.44	15.11	87.27	20.46
13.46	14.05	84.82	19.88
13.48	13.08	81.04	19.30
13.50	12.08	76.59	18.72
13.52	11.08	72.59	18.14
13.54	10.08	67.25	17.56
13.56	9.30	62.36	17.56
13.58	8.74	55.70	17.56
13.60	8.31	50.58	16.98
13.62	8.02	45.25	16.98
13.64	7.85	40.36	16.40
13.66	7.66	36.13	16.40
13.68	7.50	32.36	16.40
13.70	7.35	30.13	16.40
13.72	7.28	28.35	15.81
13.74	7.23	27.02	15.81
13.76	7.18	26.13	15.81
13.78	7.13	25.47	15.23
13.80	7.07	25.91	15.23
13.82	7.07	26.36	14.65
13.84	7.08	27.25	14.65
13.86	7.05	28.14	14.65
13.88	7.11	28.58	14.65
13.90	7.20	29.25	14.07
13.92	7.35	29.25	14.07
13.94	7.47	29.25	14.07
13.96	7.65	29.48	13.49
13.98	7.84	29.48	13.49
14.00	8.04	29.93	13.49

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	8.25	30.82	13.49
14.04	8.51	30.82	13.49
14.06	8.89	31.26	13.49
14.08	9.42	31.71	14.07
14.10	9.95	31.93	14.07
14.12	10.07	33.05	13.49
14.14	9.76	34.60	13.49
14.16	9.31	34.83	12.90
14.18	8.93	34.83	12.90
14.20	8.30	33.31	12.90
14.22	8.44	32.20	12.32
14.24	8.39	32.64	12.32
14.26	8.36	33.31	11.74
14.28	8.21	34.42	11.74
14.30	7.95	34.64	11.16
14.32	7.73	33.76	11.16
14.34	7.62	32.42	11.16
14.36	7.61	31.31	11.16
14.38	7.58	29.76	11.16
14.40	7.38	28.87	10.58
14.42	7.01	28.64	10.58
14.44	6.61	32.20	10.58
14.46	6.63	34.65	10.58
14.48	7.07	30.87	10.58
14.50	7.44	31.98	10.58
14.52	7.39	32.20	10.58
14.54	7.21	33.53	10.58
14.56	6.97	33.53	10.00
14.58	6.63	33.53	10.00
14.60	6.18	35.54	10.00
14.62	5.71	33.31	9.42
14.64	5.25	32.20	9.42
14.66	5.12	32.43	9.42
14.68	5.57	34.87	10.00
14.70	6.74	39.98	10.58
14.72	8.48	43.32	11.74
14.74	10.62	45.76	12.32
14.76	12.33	45.76	13.49
14.78	13.51	47.32	14.07
14.80	14.54	49.76	14.65
14.82	15.36	52.65	14.65
14.84	16.12	55.54	15.23
14.86	16.62	59.10	15.81
14.88	17.06	61.32	16.40
14.90	17.25	63.77	16.40
14.92	17.14	64.43	16.40
14.94	16.89	65.54	16.40
14.96	16.32	67.32	16.40
14.98	15.72	69.76	16.40
15.00	15.34	71.32	16.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	15.34	71.32	16.98
15.04	15.55	71.54	17.56
15.06	15.78	69.31	17.56
15.08	15.82	68.20	17.56
15.10	15.63	67.76	18.14
15.12	15.29	67.53	18.14
15.14	14.72	67.97	18.14
15.16	13.87	69.75	17.56
15.18	12.54	70.64	16.98
15.20	11.08	74.63	16.40
15.22	9.77	70.41	14.65
15.24	9.15	67.30	14.07
15.26	8.74	63.30	14.07
15.28	8.46	58.85	13.49
15.30	8.30	53.08	13.49
15.32	8.18	46.41	13.49
15.34	8.11	42.41	13.49
15.36	8.09	41.07	13.49
15.38	8.14	39.29	13.49
15.40	8.23	37.96	13.49
15.42	8.35	37.07	13.49
15.44	8.51	36.85	13.49
15.46	8.70	36.85	13.49
15.48	8.94	36.85	13.49
15.50	9.23	36.63	14.07
15.52	9.53	36.63	14.07
15.54	9.70	36.19	14.07
15.56	9.84	37.52	14.07
15.58	10.10	39.30	14.07
15.60	10.61	40.41	14.65
15.62	11.27	41.74	15.23
15.64	11.95	42.41	15.81
15.66	12.54	42.41	15.81
15.68	12.69	42.85	16.40
15.70	12.29	44.19	15.81
15.72	11.31	45.74	15.23
15.74	9.61	49.30	14.07
15.76	7.46	57.08	12.90
15.78	5.56	70.63	12.32
15.80	4.21	88.41	11.74
15.82	3.65	105.08	11.74
15.84	3.40	125.74	11.16
15.86	3.05	147.08	11.16
15.88	2.83	162.41	10.58
15.90	3.30	169.74	10.58
15.92	5.34	148.85	12.32
15.94	7.49	115.52	14.07
15.96	8.12	104.63	14.07
15.98	8.18	90.85	14.07
16.00	8.05	80.85	13.49

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	7.82	71.29	13.49
16.04	7.62	62.40	12.90
16.06	7.60	53.07	12.90
16.08	7.52	45.51	12.90
16.10	7.19	45.51	12.32
16.12	6.58	47.96	12.32
16.14	5.75	49.29	11.74
16.16	4.63	54.18	11.16
16.18	3.49	59.32	8.25
16.20	2.91	80.44	7.67
16.22	3.15	95.10	8.25
16.24	3.51	99.99	8.25
16.26	2.95	97.99	7.67
16.28	2.25	88.88	7.09
16.30	1.79	83.99	7.09
16.32	1.56	84.66	8.25
16.34	1.38	78.88	18.72
16.36	1.24	67.32	22.79
16.38	1.17	52.88	28.02
16.40	1.14	46.65	35.58
16.42	1.22	38.21	25.70
16.44	1.25	26.88	26.28
16.46	1.25	15.32	26.28
16.48	1.24	12.43	32.68
16.50	1.29	9.10	36.16
16.52	1.31	10.21	36.74
16.54	1.39	10.44	40.23
16.56	1.63	11.77	41.98
16.58	1.82	12.88	41.98
16.60	1.87	17.78	40.81
16.62	1.77	26.44	41.98
16.64	1.67	34.22	39.65
16.66	1.62	39.78	38.49
16.68	1.65	44.00	39.65
16.70	1.77	47.34	40.23
16.72	1.96	46.89	39.65
16.74	2.13	48.90	39.65
16.76	2.30	49.78	39.65
16.78	2.35	51.56	38.49
16.80	2.16	61.56	36.74
16.82	1.95	69.34	36.74
16.84	1.89	71.57	36.74
16.86	1.84	72.90	37.90
16.88	1.82	68.01	39.07
16.90	1.78	63.79	41.98
16.92	1.76	58.24	40.81
16.94	1.75	50.68	41.40
16.96	1.76	45.79	41.40
16.98	1.72	41.57	41.40
17.00	1.65	38.24	41.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	1.68	36.68	41.98
17.04	1.73	33.79	43.14
17.06	1.71	29.35	43.72
17.08	1.61	28.02	41.40
17.10	1.49	30.24	43.14
17.12	1.52	29.58	43.14
17.14	1.53	27.58	44.30
17.16	1.58	26.47	43.72
17.18	1.63	26.25	43.14
17.20	1.72	27.16	61.16
17.22	1.86	27.60	61.75
17.24	2.13	28.27	61.75
17.26	2.38	31.82	60.58
17.28	2.75	38.27	60.58
17.30	3.29	44.04	61.75
17.32	3.60	48.49	60.58
17.34	3.41	54.05	58.26
17.36	3.09	54.71	56.51
17.38	2.75	56.71	54.77
17.40	2.42	58.27	53.60
17.42	2.14	57.60	52.44
17.44	1.96	56.49	53.02
17.46	1.88	53.38	57.10
17.48	1.98	53.38	60.00
17.50	2.00	52.94	60.58
17.52	1.89	49.38	58.84
17.54	1.61	49.16	57.68
17.56	1.58	44.27	61.16
17.58	1.58	40.71	61.16
17.60	1.55	37.16	61.75
17.62	1.49	34.71	61.75
17.64	1.43	32.49	61.16
17.66	1.39	28.49	64.65
17.68	1.37	23.82	65.81
17.70	1.36	19.60	64.65
17.72	1.35	16.71	65.23
17.74	1.35	14.93	65.23
17.76	1.34	12.94	65.23
17.78	1.34	10.94	66.98
17.80	1.32	9.38	67.56
17.82	1.34	8.71	65.23
17.84	1.34	8.05	65.23
17.86	1.32	8.05	67.56
17.88	1.30	7.83	65.81
17.90	1.27	7.83	65.81
17.92	1.28	7.61	66.98
17.94	1.29	6.72	66.98
17.96	1.29	6.50	66.40
17.98	1.24	6.28	65.81
18.00	1.23	6.50	66.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	1.23	6.06	68.14
18.04	1.25	5.61	67.56
18.06	1.28	5.17	67.56
18.08	1.31	5.17	66.98
18.10	1.32	5.62	66.98
18.12	1.36	6.28	66.98
18.14	1.40	6.51	67.56
18.16	1.49	6.95	66.98
18.18	2.44	8.52	74.54
18.20	3.02	20.75	71.05
18.22	4.15	31.41	72.21
18.24	5.30	36.08	71.63
18.26	6.02	37.41	70.47
18.28	6.46	31.41	70.47
18.30	6.77	27.63	70.47
18.32	7.16	34.30	71.63
18.34	7.52	42.30	72.21
18.36	7.84	50.75	72.79
18.38	8.10	60.75	72.79
18.40	8.30	69.41	73.38
18.42	8.47	76.30	73.38
18.44	8.62	81.63	73.96
18.46	8.72	86.74	73.96
18.48	8.86	91.19	74.54
18.50	9.11	95.19	75.12
18.52	9.40	98.52	75.12
18.54	9.78	101.18	75.70
18.56	10.12	104.29	76.28
18.58	10.37	107.40	76.28
18.60	10.63	110.51	76.86
18.62	10.92	113.40	76.86
18.64	11.22	116.73	77.44
18.66	11.50	119.83	77.44
18.68	11.73	123.17	77.44
18.70	11.87	126.72	78.02
18.72	11.90	128.94	78.02
18.74	11.90	131.82	78.02
18.76	11.75	133.82	78.02
18.78	11.26	135.60	77.44
18.80	10.44	138.04	76.28
18.82	9.52	141.59	75.12
18.84	8.43	149.14	73.96
18.86	7.56	158.92	73.38
18.88	6.71	168.91	72.79
18.90	5.48	196.91	76.28
18.92	4.58	229.13	75.12
18.94	4.06	245.79	73.96
18.96	3.72	250.23	74.54
18.98	4.20	243.11	78.02
19.00	5.16	233.33	80.93



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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	6.01	211.11	77.44
19.04	9.94	188.44	79.77
19.06	12.06	160.21	78.60
19.08	15.19	83.54	67.56
19.10	13.94	69.31	57.10
19.12	9.98	113.31	78.60
19.14	6.19	307.53	69.89
19.16	5.47	277.74	77.44
19.18	4.86	261.30	74.54
19.20	4.32	260.85	71.05
19.22	3.97	259.08	67.56
19.24	3.91	269.52	66.98
19.26	3.65	258.85	69.30
19.28	3.65	160.19	77.44
19.30	3.96	160.63	75.70
19.32	4.39	149.08	76.28
19.34	5.18	133.74	77.44
19.36	6.10	134.86	78.02
19.38	7.14	138.63	78.60
19.40	7.93	142.41	78.02
19.42	8.40	147.74	77.44
19.44	9.01	159.08	78.02
19.46	9.56	174.63	78.02
19.48	9.86	179.97	77.44
19.50	10.02	147.52	76.86
19.52	10.25	122.19	77.44
19.54	10.67	112.41	78.60
19.56	11.03	103.74	79.19
19.58	11.29	102.85	79.77
19.60	11.47	105.07	80.35
19.62	12.00	112.41	80.93
19.64	12.69	120.18	80.35
19.66	13.22	120.63	78.60
19.68	13.74	117.74	78.60
19.70	13.97	116.85	77.44
19.72	14.24	125.73	77.44
19.74	14.59	131.95	77.44
19.76	14.84	133.95	77.44
19.78	15.09	135.73	77.44
19.80	14.93	135.06	76.86
19.82	14.72	145.28	76.86
19.84	14.34	154.17	75.12
19.86	14.03	156.17	75.12
19.88	14.06	157.72	76.28
19.90	14.10	163.95	76.28
19.92	13.98	165.06	77.44
19.94	13.78	163.94	78.02
19.96	13.73	158.61	78.60
19.98	13.75	152.60	79.19
20.00	13.58	150.16	79.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	13.37	149.49	79.77
20.04	13.18	152.37	80.35
20.06	13.18	160.15	81.51
20.08	13.20	162.59	82.68
20.10	13.01	163.04	83.26
20.12	12.63	161.48	82.68
20.14	12.17	159.03	82.68
20.16	11.58	152.38	83.84
20.18	11.27	150.38	80.93
20.20	10.75	151.94	79.19
20.22	10.49	155.05	78.02
20.24	10.69	154.16	78.60
20.26	11.14	149.05	80.93
20.28	11.13	147.04	80.93
20.30	11.34	141.26	80.93
20.32	11.46	132.37	80.93
20.34	11.47	129.48	80.35
20.36	11.57	121.70	80.35
20.38	11.41	109.70	80.35
20.40	11.21	117.92	79.77
20.42	10.85	120.14	78.60
20.44	10.46	122.14	78.02
20.46	10.00	125.25	76.86
20.48	9.50	129.03	75.70
20.50	8.70	128.14	73.38
20.52	7.31	126.14	69.30
20.54	5.67	126.14	66.40
20.56	4.47	135.70	64.65
20.58	3.95	145.03	64.65
20.60	3.82	148.80	65.81
20.62	3.59	146.14	65.23
20.64	3.26	143.92	66.98
20.66	2.91	130.80	66.98
20.68	2.38	109.25	68.14
20.70	2.25	94.58	72.21
20.72	2.02	82.36	80.35
20.74	1.99	64.80	94.30
20.76	1.85	47.91	90.82
20.78	1.70	38.36	92.56
20.80	1.61	31.25	93.14
20.82	1.56	26.36	94.89
20.84	1.58	21.47	96.05
20.86	1.56	18.14	96.05
20.88	1.53	16.59	95.47
20.90	1.52	15.93	99.54
20.92	2.04	12.82	99.54
20.94	3.00	12.15	100.70
20.96	2.99	8.38	96.63
20.98	2.55	16.38	90.82
21.00	2.12	39.05	87.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	1.85	56.39	91.40
21.04	1.71	65.28	97.80
21.06	1.65	65.28	93.14
21.08	1.61	63.06	97.80
21.10	1.51	63.95	97.80
21.12	1.45	55.07	101.86
21.14	1.46	33.51	93.72
21.16	1.48	19.73	92.56
21.18	1.70	10.89	101.28
21.20	1.83	9.33	101.86
21.22	1.84	9.78	101.28
21.24	1.56	11.78	100.12
21.26	1.46	10.45	101.28
21.28	1.48	8.67	95.47
21.30	1.48	8.45	96.63
21.32	1.47	8.45	96.05
21.34	1.46	9.12	98.96
21.36	1.46	9.79	94.30
21.38	1.48	7.79	94.89
21.40	1.56	6.01	94.30
21.42	1.57	5.57	94.30
21.44	1.49	7.57	94.30
21.46	1.47	6.69	94.30
21.48	1.47	7.35	94.89
21.50	1.47	6.46	95.47
21.52	1.47	7.36	97.21
21.54	1.42	7.36	96.63
21.56	1.41	7.80	96.63
21.58	1.42	6.92	96.05
21.60	1.43	6.25	96.63
21.62	1.41	6.47	96.63
21.64	1.36	6.26	98.38
21.66	1.35	5.37	102.45
21.68	1.41	4.26	104.77
21.70	1.43	4.04	99.54
21.72	1.40	3.59	99.54
21.74	1.37	4.26	98.96
21.76	1.41	3.60	100.70
21.78	1.42	3.15	103.03
21.80	1.41	2.49	106.51
21.82	1.47	3.82	109.42
21.84	1.54	3.82	107.10
21.86	1.54	3.60	101.86
21.88	1.54	5.60	101.28
21.90	1.66	6.71	101.28
21.92	1.77	6.94	103.03
21.94	1.82	7.83	105.93
21.96	1.80	10.28	110.59
21.98	1.82	12.28	111.17
22.00	1.96	16.28	111.17

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11/04/11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	2.32	17.39	111.75
22.04	2.86	20.72	111.75
22.06	3.44	28.94	110.59
22.08	4.00	35.83	111.17
22.10	4.70	36.28	112.33
22.12	5.17	32.06	112.91
22.14	5.41	30.28	112.91
22.16	5.87	36.29	114.08
22.18	5.85	43.40	111.75
22.20	5.74	48.52	109.42
22.22	5.62	55.85	106.51
22.24	5.50	59.63	105.35
22.26	5.28	63.18	104.19
22.28	4.90	59.62	103.61
22.30	4.47	60.07	103.03
22.32	4.15	63.40	103.03
22.34	3.94	70.07	102.45
22.36	3.66	72.73	102.45
22.38	3.91	77.84	104.77
22.40	5.07	84.73	110.00
22.42	6.97	96.06	114.66
22.44	7.47	95.84	112.91
22.46	7.48	76.28	111.75
22.48	7.74	63.17	114.66
22.50	8.34	67.61	116.40
22.52	8.21	71.39	112.33
22.54	7.78	67.61	109.42
22.56	7.05	55.17	108.26
22.58	6.78	53.39	109.42
22.60	6.88	58.05	111.75
22.62	7.60	67.83	115.24
22.64	8.91	75.60	118.14
22.66	9.77	78.94	118.14
22.68	10.26	75.38	118.14
22.70	10.33	61.38	117.56
22.72	10.12	54.27	116.40
22.74	9.86	53.15	116.98
22.76	9.68	54.26	118.72
22.78	9.58	56.93	119.30
22.80	9.36	59.59	119.30
22.82	9.16	69.37	119.89
22.84	9.45	76.70	121.05
22.86	9.92	80.03	121.63
22.88	10.16	82.92	121.05
22.90	10.85	83.81	122.21
22.92	11.34	75.14	122.21
22.94	11.46	66.25	121.63
22.96	11.58	63.36	122.21
22.98	11.33	54.25	120.47
23.00	11.32	58.25	122.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	11.42	69.13	123.96
23.04	11.68	80.02	124.54
23.06	11.99	87.35	125.70
23.08	12.11	98.91	125.70
23.10	12.09	108.02	125.70
23.12	11.84	111.12	125.70
23.14	11.55	112.45	126.29
23.16	11.30	108.23	123.96
23.18	11.37	111.56	124.54
23.20	11.65	115.34	125.12
23.22	11.86	116.90	125.70
23.24	12.01	116.67	125.70
23.26	12.05	116.89	125.70
23.28	12.04	118.22	126.29
23.30	12.03	119.56	126.29
23.32	12.01	119.56	126.87
23.34	11.84	118.89	126.87
23.36	11.52	118.00	126.29
23.38	11.11	117.33	125.70
23.40	10.76	112.21	126.29
23.42	10.52	108.66	126.87
23.44	10.44	105.77	127.45
23.46	10.25	103.77	126.87
23.48	10.01	104.21	126.87
23.50	9.87	104.65	127.45
23.52	9.96	101.98	127.45
23.54	9.92	96.20	127.45
23.56	9.69	90.20	126.87
23.58	9.42	85.75	126.87
23.60	8.93	78.86	125.70
23.62	8.24	67.30	123.38
23.64	6.91	59.53	119.30
23.66	5.47	70.64	117.56
23.68	4.30	92.41	116.40
23.70	3.53	110.41	115.82
23.72	3.06	123.74	118.14
23.74	2.80	132.41	118.72
23.76	2.47	140.19	119.89
23.78	2.32	134.41	121.63
23.80	2.15	111.96	121.63
23.82	1.98	96.41	122.21
23.84	2.50	78.85	122.80
23.86	3.25	61.52	123.96
23.88	3.41	43.52	122.21
23.90	2.70	28.41	119.30
23.92	2.21	26.41	119.89
23.94	1.84	35.74	120.47
23.96	2.08	50.41	122.21
23.98	3.78	55.74	123.96
24.00	6.30	55.52	125.12

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	7.70	55.96	124.54
24.04	8.09	50.86	122.80
24.06	8.21	49.30	122.21
24.08	8.18	50.19	121.63
24.10	8.10	54.42	121.05
24.12	7.79	60.86	119.89
24.14	7.14	64.45	119.30
24.16	6.40	65.34	116.40
24.18	5.43	70.01	115.24
24.20	4.59	77.79	114.08
24.22	3.74	88.45	112.33
24.24	2.97	96.45	111.75
24.26	2.43	101.79	112.33
24.28	2.04	107.56	113.49
24.30	1.69	100.01	115.24
24.32	1.82	90.68	121.05
24.34	1.99	72.90	118.14
24.36	1.93	58.89	118.72
24.38	1.75	45.78	119.89
24.40	1.63	32.23	123.96
24.42	1.64	17.78	123.38
24.44	1.72	9.78	125.12
24.46	1.72	9.12	125.12
24.48	1.62	10.89	125.12
24.50	1.53	9.12	125.70
24.52	1.47	7.56	125.12
24.54	1.41	6.90	125.70
24.56	1.42	5.57	125.70
24.58	1.47	5.12	125.70
24.60	1.52	4.68	126.29
24.62	1.56	4.68	126.29
24.64	1.58	4.91	126.29
24.66	1.56	6.24	126.87
24.68	1.52	6.91	127.45
24.70	1.49	7.80	128.03
24.72	1.49	7.80	125.12
24.74	1.49	8.69	123.96
24.76	1.47	8.03	123.96
24.78	1.43	9.81	123.96
24.80	1.45	10.03	123.96
24.82	1.58	7.81	124.54
24.84	1.90	6.26	125.12
24.86	2.26	5.37	125.70
24.88	2.65	10.48	126.29
24.90	3.03	18.48	128.03
24.92	3.39	29.37	129.77
24.94	3.50	54.26	128.61
24.96	3.43	85.37	127.45
24.98	3.34	116.93	128.03
25.00	3.04	152.71	128.03

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	2.75	180.04	128.03
25.04	2.50	197.16	128.03
25.06	2.26	208.27	128.03
25.08	1.98	207.38	128.03
25.10	1.81	190.93	128.61
25.12	1.67	163.15	128.61
25.14	1.65	114.48	136.17
25.16	1.64	88.48	136.17
25.18	1.71	67.37	136.75
25.20	1.91	51.36	136.75
25.22	2.32	38.03	137.33
25.24	3.04	32.70	139.08
25.26	3.41	32.47	138.50
25.28	3.19	34.92	135.59
25.30	3.07	39.14	136.75
25.32	3.11	48.03	137.91
25.34	2.97	53.81	136.75
25.36	2.54	57.59	133.26
25.38	2.06	56.03	131.52
25.40	1.72	51.37	136.17
25.42	1.64	42.03	137.91
25.44	1.58	35.81	137.91
25.46	1.57	29.81	137.91
25.48	1.55	27.15	137.91
25.50	1.54	22.48	138.50
25.52	1.54	16.70	138.50
25.54	1.54	12.93	138.50
25.56	1.50	11.82	138.50
25.58	1.45	11.82	138.50
25.60	1.42	10.49	138.50
25.62	1.43	9.15	137.91
25.64	1.47	8.04	137.91
25.66	1.46	7.38	137.91
25.68	1.55	7.60	138.50
25.70	1.83	7.38	139.08
25.72	2.01	6.94	139.66
25.74	2.03	9.38	139.08
25.76	1.98	13.83	137.91
25.78	1.92	18.72	137.91
25.80	1.86	23.61	137.91
25.82	1.82	25.83	137.91
25.84	1.77	28.06	137.91
25.86	1.71	29.39	137.91
25.88	1.70	28.72	138.50
25.90	1.67	26.50	138.50
25.92	1.66	23.84	138.50
25.94	1.66	21.62	138.50
25.96	1.71	19.84	139.08
25.98	1.77	19.17	139.66
26.00	1.83	18.95	139.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	1.79	19.84	139.08
26.04	1.77	18.28	139.66
26.06	1.85	15.18	140.24
26.08	2.26	10.95	141.40
26.10	3.29	15.84	142.56
26.12	4.48	26.07	143.73
26.14	6.21	27.19	144.89
26.16	7.08	36.30	144.89
26.18	7.73	49.42	145.47
26.20	8.38	56.97	146.05
26.22	8.82	49.19	146.05
26.24	9.10	41.86	147.21
26.26	9.38	39.42	147.80
26.28	9.68	44.30	148.38
26.30	9.92	50.30	148.96
26.32	9.95	52.30	149.54
26.34	9.89	55.64	150.12
26.36	9.91	60.75	150.70
26.38	10.01	65.41	151.29
26.40	10.18	66.75	151.87
26.42	10.28	68.30	151.87
26.44	10.33	72.97	152.45
26.46	10.37	78.74	153.03
26.48	10.39	81.63	153.61
26.50	10.41	82.74	154.19
26.52	10.46	84.29	154.78
26.54	10.61	85.84	155.36
26.56	10.87	87.17	155.94
26.58	11.13	87.84	156.52
26.60	11.23	88.50	156.52
26.62	11.29	89.83	157.10
26.64	11.32	90.05	157.68
26.66	11.21	90.27	158.26
26.68	11.07	92.27	158.26
26.70	10.92	92.71	158.84
26.72	11.00	92.71	159.42
26.74	11.21	93.15	160.00
26.76	11.60	92.48	160.59
26.78	12.08	92.26	161.17
26.80	12.56	91.14	161.75
26.82	12.89	89.14	162.33
26.84	12.94	88.69	162.91
26.86	12.88	89.58	163.50
26.88	12.79	89.58	163.50
26.90	12.58	90.69	164.08
26.92	12.28	90.90	164.08
26.94	12.09	90.90	164.08
26.96	11.69	89.79	164.66
26.98	10.58	88.45	163.50
27.00	8.80	90.01	162.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	6.87	94.67	161.17
27.04	5.64	105.78	160.00
27.06	4.77	118.22	160.00
27.08	4.21	135.11	160.00
27.10	3.63	150.44	160.00
27.12	3.05	153.77	159.42
27.14	2.88	134.89	160.00
27.16	2.59	133.11	159.42
27.18	2.22	124.45	158.26
27.20	1.84	115.56	158.26
27.22	1.67	93.56	158.84
27.24	1.65	66.45	158.84
27.26	1.62	44.89	160.00
27.28	1.56	33.55	160.00
27.30	1.58	27.55	160.00
27.32	1.62	22.22	161.17
27.34	1.65	16.45	160.59
27.36	1.63	12.89	160.59
27.38	1.63	11.56	161.17
27.40	1.69	12.67	161.75
27.42	1.75	11.78	161.17
27.44	1.96	13.56	162.33
27.46	2.23	14.67	162.33
27.48	2.46	18.90	162.33
27.50	2.67	26.45	162.33
27.52	2.91	36.01	162.91
27.54	2.91	42.45	162.33
27.56	2.78	41.57	162.33
27.58	2.75	42.02	161.75
27.60	2.75	42.02	161.75
27.62	2.74	39.57	161.75
27.64	2.78	36.24	161.75
27.66	2.99	34.46	162.33
27.68	3.43	35.58	162.91
27.70	3.88	36.91	163.50
27.72	4.10	34.25	162.91
27.74	4.25	31.36	163.50
27.76	4.46	33.58	163.50
27.78	4.58	35.80	163.50
27.80	4.64	36.25	163.50
27.82	4.75	38.47	163.50
27.84	4.71	42.25	162.91
27.86	4.66	44.70	162.91
27.88	4.59	44.92	163.50
27.90	4.54	46.92	163.50
27.92	4.19	47.14	162.91
27.94	3.82	49.59	162.91
27.96	3.43	55.59	162.33
27.98	3.21	66.48	162.33
28.00	4.29	79.15	164.66

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 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11\04\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	6.09	83.81	165.82
28.04	7.43	77.37	166.99
28.06	7.97	69.15	166.99
28.08	7.88	59.37	166.99
28.10	7.67	55.37	166.99
28.12	7.76	68.05	167.57
28.14	8.10	72.27	167.57
28.16	8.68	77.39	168.15
28.18	8.88	82.94	167.57
28.20	8.93	90.05	167.57
28.22	8.67	77.61	166.99
28.24	8.22	59.38	166.99
28.26	8.04	54.27	167.57
28.28	7.92	55.16	167.57
28.30	7.91	60.05	168.15
28.32	7.95	66.94	168.73
28.34	7.96	74.27	168.73
28.36	7.91	79.38	169.31
28.38	7.92	78.93	169.31
28.40	7.98	75.16	169.89
28.42	8.18	73.15	170.47
28.44	8.55	70.04	171.63
28.46	8.99	68.04	172.22
28.48	9.18	63.37	172.22
28.50	9.21	60.48	172.80
28.52	9.08	59.59	172.80
28.54	8.94	59.15	173.38
28.56	8.85	56.92	173.38
28.58	8.78	56.92	173.96
28.60	8.70	60.25	174.54
28.62	8.67	62.70	175.12
28.64	8.69	62.92	175.12
28.66	8.82	61.36	176.29
28.68	9.06	60.25	176.29
28.70	9.35	58.47	176.87
28.72	9.47	58.25	177.45
28.74	9.53	59.58	177.45
28.76	9.49	60.69	177.45
28.78	9.29	61.58	178.03
28.80	9.16	61.58	178.03
28.82	9.01	60.91	178.03
28.84	8.79	60.68	178.03
28.86	8.43	58.24	177.45
28.88	7.81	54.68	175.70
28.90	7.01	51.57	175.12
28.92	6.24	51.57	174.54
28.94	5.46	55.57	173.96
28.96	4.56	68.23	173.38
28.98	3.75	82.68	173.38
29.00	3.20	100.90	172.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	2.92	119.56	175.12
29.04	2.85	135.78	177.45
29.06	2.92	138.01	178.03
29.08	2.90	126.23	178.61
29.10	2.78	123.34	178.03
29.12	2.40	127.57	183.85
29.14	2.40	119.79	183.85
29.16	2.25	107.13	184.43
29.18	2.13	88.46	184.43
29.20	2.08	72.24	184.43
29.22	2.02	66.90	184.43
29.24	1.98	56.01	184.43
29.26	1.95	46.01	184.43
29.28	1.93	37.12	183.85
29.30	1.90	32.23	183.85
29.32	1.89	30.01	183.85
29.34	1.89	28.46	184.43
29.36	1.89	25.79	184.43
29.38	1.86	25.12	184.43
29.40	1.87	24.46	184.43
29.42	1.83	23.79	185.01
29.44	1.82	22.46	185.01
29.46	1.78	22.24	185.59
29.48	1.78	20.91	185.59
29.50	1.75	18.91	185.59
29.52	1.71	17.58	186.17
29.54	1.69	17.58	186.17
29.56	1.70	17.14	186.75
29.58	1.73	14.69	187.33
29.60	1.70	14.69	187.33
29.62	1.72	14.25	187.91
29.64	1.73	13.59	188.50
29.66	1.73	12.70	189.08
29.68	1.76	12.70	189.08
29.70	1.82	11.59	189.66
29.72	1.84	13.37	189.66
29.74	1.97	12.71	190.24
29.76	2.06	13.60	190.24
29.78	2.14	14.27	190.82
29.80	2.18	17.82	191.40
29.82	2.29	19.60	191.99
29.84	2.24	19.82	191.99
29.86	2.39	21.16	192.57
29.88	2.60	23.61	192.57
29.90	2.75	25.83	193.15
29.92	2.96	30.28	194.31
29.94	2.81	32.05	193.73
29.96	3.05	37.39	193.15
29.98	2.73	44.06	194.89
30.00	3.32	48.06	196.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	3.30	54.50	196.64
30.04	3.65	55.84	197.80
30.06	4.29	64.06	198.38
30.08	4.47	70.28	198.96
30.10	5.13	84.28	200.12
30.12	5.51	99.84	200.12
30.14	7.06	89.19	205.94
30.16	7.49	125.19	206.52
30.18	8.23	158.52	207.10
30.20	9.01	182.30	208.27
30.22	9.84	192.30	208.85
30.24	10.55	200.29	210.01
30.26	11.03	185.40	210.59
30.28	11.35	144.29	211.17
30.30	11.57	139.40	211.75
30.32	11.44	150.06	211.75
30.34	10.97	159.84	211.75
30.36	10.71	171.39	211.75
30.38	10.79	179.39	212.33
30.40	10.61	142.28	212.33
30.42	10.42	126.71	212.92
30.44	10.55	125.16	214.08
30.46	10.73	116.71	214.66
30.48	11.14	104.93	215.24
30.50	11.74	99.81	216.40
30.52	12.10	100.03	216.99
30.54	12.22	93.81	217.57
30.56	12.39	85.14	218.73
30.58	12.35	75.36	218.73
30.60	12.08	67.80	218.73
30.62	11.80	65.57	219.31
30.64	11.80	63.13	219.90
30.66	12.02	60.01	221.06
30.68	11.93	58.46	221.06
30.70	11.90	62.90	222.22
30.72	11.93	69.79	222.80
30.74	12.01	75.34	223.38
30.76	12.07	80.45	223.96
30.78	12.17	87.78	224.55
30.80	12.38	96.22	225.13
30.82	12.64	104.45	225.71
30.84	12.81	107.55	226.29
30.86	12.75	113.11	226.87
30.88	12.74	120.66	227.45
30.90	12.81	125.55	228.03
30.92	13.00	130.88	228.61
30.94	13.16	136.44	229.20
30.96	13.11	144.66	229.78
30.98	12.97	150.21	230.36
31.00	13.06	153.76	230.94

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Prova **1**  
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 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	13.33	155.32	231.52
31.04	13.57	158.20	232.10
31.06	13.70	159.09	232.69
31.08	13.88	159.98	233.27
31.10	13.86	160.64	233.85
31.12	13.59	157.31	229.78
31.14	13.34	159.97	229.20
31.16	13.04	163.76	229.78
31.18	12.74	165.53	229.78
31.20	12.39	163.97	229.78
31.22	11.81	165.09	229.78
31.24	11.25	161.97	229.20
31.26	10.37	156.64	229.20
31.28	9.50	147.97	228.61
31.30	8.66	141.53	228.03
31.32	7.93	134.19	227.45
31.34	7.65	138.85	228.03
31.36	8.04	140.18	228.61
31.38	8.72	147.74	229.20
31.40	9.19	141.29	229.20
31.42	9.44	131.51	229.20
31.44	9.54	122.84	229.20
31.46	9.66	110.84	229.20
31.48	9.62	100.39	229.20
31.50	9.45	93.06	229.20
31.52	9.45	90.17	229.20
31.54	9.69	93.28	229.20
31.56	9.91	100.84	229.78
31.58	10.25	108.39	229.20
31.60	10.16	110.84	228.61
31.62	9.61	105.50	227.45
31.64	9.01	103.06	226.87
31.66	8.36	106.17	226.29
31.68	7.95	110.84	225.71
31.70	7.44	115.28	225.13
31.72	6.53	117.95	223.96
31.74	5.52	118.84	222.80
31.76	4.67	118.18	222.22
31.78	3.96	121.29	221.64
31.80	3.70	119.29	222.22
31.82	3.98	120.18	222.80
31.84	4.56	122.84	224.55
31.86	4.92	113.95	224.55
31.88	4.89	96.18	223.96
31.90	4.89	87.07	223.38
31.92	4.94	83.95	222.80
31.94	4.70	73.96	222.22
31.96	4.46	62.40	221.64
31.98	4.30	52.85	221.06
32.00	4.19	53.96	220.48

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	3.91	57.07	219.90
32.04	3.41	52.85	219.31
32.06	2.94	48.41	218.73
32.08	2.50	46.41	218.15
32.10	2.40	47.79	226.87
32.12	2.40	46.68	226.29
32.14	2.36	44.24	226.87
32.16	2.22	39.79	226.29
32.18	2.01	32.24	226.29
32.20	1.99	24.68	226.87
32.22	2.00	18.91	226.87
32.24	2.13	16.46	227.45
32.26	2.48	16.69	228.61
32.28	2.89	19.57	229.20
32.30	2.84	22.69	229.20
32.32	2.50	23.80	228.03
32.34	2.17	23.13	227.45
32.36	1.94	19.58	227.45
32.38	1.81	17.80	227.45
32.40	1.76	15.80	228.03
32.42	1.77	15.14	228.61
32.44	2.17	12.69	229.78
32.46	2.69	12.47	230.94
32.48	2.91	23.36	231.52
32.50	2.78	40.48	231.52
32.52	2.56	59.59	231.52
32.54	2.30	80.48	231.52
32.56	2.07	99.59	231.52
32.58	2.02	107.59	232.10
32.60	2.19	105.15	232.69
32.62	2.27	91.59	233.27
32.64	2.20	80.04	232.69
32.66	2.12	68.26	232.69
32.68	2.23	52.03	233.27
32.70	2.55	38.48	234.43
32.72	2.98	30.92	235.01
32.74	3.43	33.81	235.59
32.76	3.86	42.03	236.18
32.78	3.88	49.37	236.18
32.80	3.44	59.15	235.01
32.82	2.69	61.59	233.85
32.84	2.35	58.04	233.85
32.86	2.37	50.70	234.43
32.88	2.44	47.82	234.43
32.90	2.41	46.48	235.01
32.92	2.33	44.93	235.01
32.94	2.25	43.37	235.01
32.96	2.18	36.26	235.59
32.98	2.07	30.71	235.59
33.00	2.02	29.82	235.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	2.06	28.49	236.18
33.04	2.25	24.04	236.76
33.06	2.66	21.38	237.92
33.08	4.66	23.60	241.40
33.10	7.72	21.60	244.90
33.12	10.26	30.95	247.22
33.14	10.99	36.29	247.80
33.16	11.26	41.18	248.97
33.18	11.67	52.73	250.13
33.20	12.23	65.18	251.29
33.22	12.65	76.73	253.03
33.24	12.65	83.62	253.62
33.26	12.42	89.84	254.20
33.28	12.27	96.51	254.78
33.30	12.29	94.51	255.94
33.32	12.37	95.17	257.10
33.34	12.70	96.51	258.27
33.36	12.96	98.28	259.43
33.38	13.12	97.61	260.60
33.40	13.24	92.72	261.76
33.42	13.18	83.38	262.34
33.44	12.95	79.16	262.92
33.46	12.53	82.94	263.50
33.48	12.21	87.38	264.08
33.50	11.92	90.71	264.66
33.52	11.97	96.93	265.25
33.54	12.22	102.26	266.41
33.56	12.41	104.70	266.99
33.58	12.38	102.03	266.99
33.60	12.08	94.47	266.99
33.62	12.08	90.69	268.15
33.64	12.29	91.13	268.73
33.66	12.52	90.24	269.31
33.68	12.52	86.24	269.90
33.70	12.43	81.35	270.48
33.72	12.09	77.35	270.48
33.74	11.43	71.57	270.48
33.76	10.54	68.01	269.90
33.78	9.36	68.90	268.73
33.80	8.14	75.34	268.15
33.82	6.98	86.67	266.99
33.84	5.98	101.33	265.83
33.86	5.10	114.66	265.25
33.88	4.33	127.55	264.08
33.90	3.83	133.33	263.50
33.92	3.37	133.10	262.92
33.94	2.95	126.88	262.34
33.96	2.57	109.10	261.76
33.98	2.24	88.43	261.18
34.00	2.07	66.43	261.18

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	1.94	47.76	261.18
34.04	1.82	31.09	261.76
34.06	1.78	20.20	262.34
34.08	1.82	13.98	262.34
34.10	1.81	10.23	269.90
34.12	1.92	10.23	270.48
34.14	1.90	10.45	270.48
34.16	1.90	10.45	270.48
34.18	1.95	9.12	271.06
34.20	2.10	8.01	271.64
34.22	2.82	8.68	273.97
34.24	4.39	11.57	276.88
34.26	4.81	17.57	278.04
34.28	4.44	48.46	277.46
34.30	3.97	93.57	276.88
34.32	3.42	133.80	275.71
34.34	2.87	150.24	275.71
34.36	2.73	182.91	275.71
34.38	2.66	190.69	276.29
34.40	2.85	174.91	276.88
34.42	2.99	143.58	276.88
34.44	2.91	118.02	276.88
34.46	2.83	97.57	276.29
34.48	2.64	90.02	276.29
34.50	2.56	79.35	276.29
34.52	2.59	70.68	276.88
34.54	2.60	67.57	276.88
34.56	2.59	66.68	276.88
34.58	2.70	58.46	277.46
34.60	2.89	54.46	278.04
34.62	3.04	52.90	278.62
34.64	3.08	54.23	278.62
34.66	2.95	62.46	278.04
34.68	2.82	66.24	278.04
34.70	2.67	66.24	278.04
34.72	2.54	67.79	278.04
34.74	2.54	66.46	278.04
34.76	2.61	62.91	278.62
34.78	2.74	55.80	279.20
34.80	2.58	54.24	278.62
34.82	2.54	49.58	279.20
34.84	2.62	45.80	279.78
34.86	2.75	42.25	280.36
34.88	2.75	43.13	279.78
34.90	2.60	46.91	279.78
34.92	2.48	49.14	279.78
34.94	2.60	46.69	280.94
34.96	2.84	45.36	282.10
34.98	2.95	44.70	282.69
35.00	3.05	47.36	282.69

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	2.85	52.92	282.10
35.04	3.05	54.70	283.27
35.06	3.51	57.59	284.43
35.08	3.98	59.37	285.60
35.10	6.75	53.17	364.09
35.12	8.83	68.06	367.58
35.14	10.77	77.84	371.07
35.16	12.04	72.28	372.81
35.18	13.13	75.40	375.13
35.20	13.83	68.28	376.88
35.22	14.33	71.84	379.20
35.24	14.56	78.95	380.95
35.26	14.62	92.06	382.11
35.28	14.58	107.17	383.86
35.30	14.53	126.28	385.60
35.32	14.67	143.84	387.35
35.34	14.82	155.83	389.67
35.36	15.01	159.17	391.41
35.38	15.25	158.28	393.16
35.40	15.46	157.16	395.49
35.42	15.60	150.49	397.23
35.44	15.54	143.60	398.39
35.46	15.33	142.48	399.56
35.48	15.18	142.70	400.72
35.50	15.03	145.14	401.88
35.52	14.87	148.47	403.62
35.54	14.86	148.69	404.79
35.56	14.90	146.24	405.95
35.58	14.96	141.79	407.70
35.60	15.17	136.46	408.86
35.62	15.49	132.90	410.60
35.64	16.04	129.12	412.93
35.66	16.11	127.10	412.93
35.68	16.82	121.76	414.09
35.70	17.35	117.98	415.83
35.72	17.74	117.09	417.00
35.74	18.10	117.09	418.74
35.76	18.33	119.09	419.90
35.78	18.15	123.98	420.49
35.80	17.58	131.76	421.07
35.82	16.98	139.31	420.49
35.84	16.55	145.31	420.49
35.86	16.19	150.42	421.07
35.88	15.86	153.75	420.49
35.90	15.51	155.08	420.49
35.92	15.33	154.86	420.49
35.94	15.33	153.30	420.49
35.96	15.32	154.63	420.49
35.98	15.31	155.96	420.49
36.00	15.35	155.29	419.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	15.54	153.96	420.49
36.04	15.65	150.18	419.90
36.06	15.55	144.84	419.90
36.08	15.25	142.42	396.65
36.10	15.24	138.20	396.65
36.12	15.36	133.09	397.23
36.14	15.56	129.98	398.98
36.16	15.67	131.98	399.56
36.18	16.10	129.09	400.14
36.20	16.15	131.97	395.49
36.22	23.45	98.34	369.90
36.24	23.29	103.67	370.49
36.26	21.88	106.11	369.32
36.28	20.66	103.00	369.32
36.30	19.62	105.89	368.74
36.32	18.81	111.88	368.74
36.34	18.13	118.77	368.74
36.36	17.53	127.88	368.74
36.38	16.89	138.99	368.74
36.40	16.34	147.65	368.16
36.42	15.97	152.54	368.16
36.44	15.86	152.54	368.16
36.46	15.97	151.87	368.74
36.48	16.15	152.54	369.32
36.50	16.52	152.54	369.90
36.52	16.87	152.09	371.07
36.54	17.23	149.87	371.07
36.56	17.31	151.20	371.07
36.58	17.38	153.65	371.07
36.60	17.47	155.65	371.07
36.62	17.48	153.43	370.49
36.64	17.31	153.43	369.32
36.66	17.05	154.99	368.74
36.68	16.75	153.88	367.00
36.70	16.16	155.88	364.67
36.72	16.04	154.11	362.34
36.74	16.11	154.78	360.60
36.76	16.44	153.89	359.44
36.78	16.70	150.34	357.69
36.80	16.72	144.79	356.53
36.82	16.78	139.01	355.37
36.84	17.11	130.79	354.20
36.86	17.74	126.79	353.62
36.88	18.59	127.02	353.62
36.90	19.14	129.92	351.88
36.92	10.01	63.92	326.30
36.94	10.42	67.25	327.46
36.96	10.85	69.25	329.20
36.98	11.36	70.59	330.37
37.00	12.13	73.03	332.11

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°110**  
 Data **11\04\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **423/2011**  
 Emesso il **11/04/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	12.91	78.81	333.85
37.04	14.32	84.81	336.76
37.06	16.59	88.14	340.25
37.08	19.50	92.14	345.48
37.10	23.01	96.36	350.71
37.12	25.07	102.36	355.95
37.14	23.85	111.02	356.53
37.16	22.18	121.24	356.53
37.18	20.67	130.57	356.53
37.20	19.05	143.68	355.95
37.22	17.45	156.35	354.79
37.24	16.19	169.23	353.62
37.26	15.56	178.56	353.62
37.28	15.23	187.89	353.62
37.30	15.39	176.77	354.20
37.32	15.79	163.21	354.79
37.34	16.10	148.77	354.79
37.36	20.50	103.22	346.65
37.38	20.20	122.78	346.06
37.40	19.84	131.89	346.06
37.42	19.62	142.34	345.48
37.44	19.66	152.56	346.06
37.46	19.70	157.67	346.06
37.48	19.78	163.01	346.06
37.50	19.89	168.34	346.65
37.52	19.96	172.78	346.65
37.54	20.19	179.67	347.23
37.56	20.21	185.22	347.23
37.58	20.51	193.00	347.23
37.60	20.58	198.11	347.23
37.62	20.61	201.88	347.23
37.64	20.79	207.88	347.23
37.66	20.25	215.21	345.48
37.68	20.61	215.44	345.48
37.70	20.81	215.44	345.48
37.72	20.85	216.99	344.90
37.74	20.83	217.66	344.32
37.76	20.91	218.55	344.32
37.78	20.91	218.77	343.16
37.80	20.98	218.99	343.16
37.82	20.95	219.44	343.16
37.84	20.90	220.77	342.00
37.86	20.68	222.11	341.41
37.88	20.75	222.55	340.83
37.90	20.93	222.55	340.83
37.92	20.21	228.81	328.62
37.94	20.67	214.81	329.79
37.96	17.72	222.61	318.74
37.98	16.81	214.61	317.58
38.00	13.87	217.28	314.67

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	10.92	224.61	311.76
38.04	8.80	237.95	309.43
38.06	7.59	247.06	307.69
38.08	6.54	262.17	305.95
38.10	5.39	277.94	303.62
38.12	4.44	280.61	301.88
38.14	3.65	268.82	300.71
38.16	2.91	252.38	300.13
38.18	2.45	222.60	300.13
38.20	2.18	190.82	304.20
38.22	2.15	139.26	309.43
38.24	2.19	85.26	314.09
38.26	2.43	52.59	316.41
38.28	2.66	31.93	318.74
38.30	2.66	20.82	319.90
38.32	2.43	26.82	319.32
38.34	2.34	28.16	321.64
38.36	2.69	23.72	324.55
38.38	3.78	23.94	330.37
38.40	4.41	25.95	332.69
38.42	4.25	44.84	332.69
38.44	3.92	69.07	332.11
38.46	3.46	86.19	332.11
38.48	3.14	96.86	332.11
38.50	3.05	106.20	332.69
38.52	3.07	111.76	333.85
38.54	3.19	106.88	334.43
38.56	2.93	103.11	333.85
38.58	2.69	88.89	333.85
38.60	2.65	74.00	334.43
38.62	2.71	61.34	336.18
38.64	2.82	55.12	337.34
38.66	2.92	52.68	337.92
38.68	3.07	54.01	339.09
38.70	3.38	52.68	340.25
38.72	4.01	53.13	342.00
38.74	5.11	59.58	344.32
38.76	6.23	59.58	346.06
38.78	7.95	33.35	397.81
38.80	8.13	54.02	397.81
38.82	7.57	67.35	396.07
38.84	6.67	69.13	393.74
38.86	5.83	74.02	390.83
38.88	5.20	90.91	389.09
38.90	4.77	110.46	388.51
38.92	4.32	124.02	387.35
38.94	3.98	132.91	387.35
38.96	3.69	134.46	387.93
38.98	3.58	131.35	389.09
39.00	3.54	126.91	389.67

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	3.50	116.46	390.25
39.04	3.54	104.68	391.41
39.06	3.40	94.01	391.41
39.08	3.28	88.68	391.41
39.10	3.08	85.79	391.41
39.12	3.00	81.34	391.41
39.14	3.22	79.12	392.58
39.16	4.09	80.23	395.49
39.18	5.60	78.01	399.56
39.20	7.24	76.23	403.04
39.22	8.65	81.56	405.95
39.24	9.80	84.67	407.70
39.26	11.05	94.01	409.44
39.28	12.22	101.12	411.77
39.30	12.93	110.01	412.93
39.32	13.35	100.45	414.09
39.34	13.53	98.23	414.67
39.36	13.35	98.90	415.25
39.38	13.39	102.23	416.42
39.40	13.64	101.78	417.58
39.42	13.59	104.67	418.16
39.44	13.47	112.23	419.32
39.46	13.53	114.23	419.90
39.48	13.72	107.56	421.65
39.50	13.69	96.00	422.23
39.52	13.50	94.45	422.81
39.54	13.17	95.56	423.40
39.56	12.92	99.78	424.56
39.58	12.64	109.11	425.14
39.60	12.58	118.22	426.30
39.62	12.58	128.88	426.88
39.64	12.39	135.33	428.05
39.66	12.21	145.32	428.63
39.68	12.04	150.21	429.21
39.70	12.13	149.54	429.79
39.72	11.84	139.98	429.79
39.74	11.52	137.76	429.79
39.76	15.48	164.39	436.19
39.78	13.87	178.16	432.70
39.80	12.83	184.83	430.95
39.82	11.95	187.27	429.21
39.84	11.08	184.83	427.46
39.86	10.42	172.16	425.72
39.88	9.47	141.27	423.98
39.90	8.67	123.71	422.81
39.92	8.07	115.70	421.65
39.94	7.61	111.70	420.49
39.96	7.00	106.81	418.74
39.98	6.28	105.92	417.00
40.00	5.48	106.81	414.67

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°110  
 Data 11/04/11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 423/2011  
 Emesso il 11/04/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	4.77	107.25	412.93
40.04	4.35	113.25	411.77
40.06	3.92	114.37	410.60
40.08	3.47	107.92	410.02
40.10	3.17	94.81	410.60
40.12	3.17	83.48	410.60
40.14	3.45	72.14	411.77
40.16	3.69	64.14	411.77
40.18	3.50	55.70	411.19
40.20	3.16	47.70	409.44
40.22	2.81	44.15	408.28
40.24	2.55	42.82	407.11
40.26	2.30	41.04	406.53
40.28	2.15	40.60	405.95
40.30	2.10	37.94	407.11
40.32	2.12	34.16	407.70
40.34	2.13	30.61	407.70
40.36	2.13	27.05	407.70
40.38	2.13	24.61	408.28
40.40	2.14	23.73	408.86
40.42	2.17	22.17	411.19
40.44	2.14	23.29	412.93
40.46	2.11	23.29	415.83
40.48	2.11	23.29	418.16
40.50	2.13	22.19	423.40
40.52	2.23	20.63	425.14
40.54	2.42	19.53	427.46
40.56	2.66	21.08	429.79
40.58	2.80	23.31	436.77
40.60	2.81	27.09	439.68
40.62	2.77	33.54	442.00
40.64	2.71	39.10	444.90
40.66	2.64	40.43	446.65
40.68	2.51	47.77	446.65
40.70	2.36	55.55	448.40
40.72	2.29	56.44	451.30
40.74	2.27	51.55	453.05
40.76	2.24	47.78	453.05
40.78	2.27	35.16	512.93
40.80	2.25	32.05	515.84
40.82	2.33	28.27	517.00
40.84	2.51	27.39	518.75
40.86	2.93	26.94	521.66
40.88	3.69	28.94	526.30
40.90	4.54	31.83	529.80
40.92	5.13	36.94	531.54
40.94	5.31	40.05	532.12
40.96	5.08	42.50	530.96
40.98	4.62	39.39	529.80
41.00	4.20	37.17	528.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	4.72	38.28	530.38
41.04	6.65	49.39	537.93
41.06	8.29	58.94	542.00
41.08	8.70	53.17	542.59
41.10	9.15	50.28	544.91
41.12	9.78	59.17	547.82
41.14	10.68	67.61	550.15
41.16	11.55	73.61	551.89
41.18	12.35	79.17	554.80
41.20	13.18	92.50	557.70
41.22	14.32	105.17	561.78
41.24	15.58	115.83	565.26
41.26	16.11	120.28	567.59
41.28	15.96	117.16	568.17
41.30	15.60	124.05	569.91
41.32	15.16	136.94	571.08
41.34	14.91	146.49	573.40
41.36	14.64	158.27	575.15
41.38	14.54	168.70	577.47
41.40	14.54	173.37	579.22
41.42	14.74	178.03	581.54
41.44	14.82	176.25	582.70
41.46	14.65	173.35	583.29
41.48	14.49	166.24	583.87
41.50	14.39	161.34	585.03
41.52	14.30	159.78	586.20
41.54	14.32	162.22	587.94
41.56	14.50	165.78	589.68
41.58	14.43	172.21	590.85
41.60	15.48	169.77	594.91
41.62	15.58	173.76	596.08
41.64	16.26	173.31	598.40
41.66	16.48	168.20	599.57
41.68	15.51	169.53	597.82
41.70	15.75	171.30	598.40
41.72	15.12	178.19	596.08
41.74	17.96	110.82	393.16
41.76	19.24	107.05	394.32
41.78	17.36	109.71	392.58
41.80	16.22	114.60	391.41
41.82	15.31	121.93	390.83
41.84	14.72	126.37	390.25
41.86	14.21	130.15	390.25
41.88	13.99	131.26	390.83
41.90	13.77	133.70	390.83
41.92	13.61	130.37	391.41
41.94	13.25	124.36	390.83
41.96	12.84	114.80	390.83
41.98	12.39	114.80	390.25
42.00	12.03	114.58	390.25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	11.64	117.24	389.67
42.04	11.39	121.68	389.67
42.06	10.98	133.91	388.51
42.08	11.10	139.02	388.51
42.10	11.06	139.02	388.51
42.12	11.00	135.69	387.35
42.14	10.82	136.80	385.60
42.16	11.00	139.92	383.86
42.18	10.98	143.47	381.53
42.20	10.95	143.48	379.79
42.22	10.72	143.04	377.46
42.24	10.45	144.60	374.55
42.26	10.23	145.94	373.39
42.28	10.08	143.94	371.65
42.30	9.99	138.61	370.49
42.32	9.91	136.83	369.90
42.34	9.71	134.16	368.16
42.36	9.47	132.83	367.00
42.38	9.33	127.94	365.83
42.40	9.22	127.72	364.67
42.42	9.00	128.83	363.50
42.44	9.01	134.17	361.76
42.46	8.92	137.95	360.60
42.48	8.76	140.40	359.44
42.50	8.74	145.29	358.28
42.52	8.81	148.41	356.53
42.54	8.66	149.52	354.79
42.56	8.25	145.08	352.46
42.58	7.62	139.08	350.71
42.60	7.13	139.97	348.97
42.62	6.82	140.64	348.39
42.64	6.67	136.65	347.23
42.66	6.39	133.76	345.48
42.68	6.36	131.54	345.48
42.70	6.39	134.43	344.90
42.72	6.52	136.88	344.90
42.74	6.42	130.84	380.95
42.76	6.24	129.06	379.79
42.78	6.01	130.62	379.20
42.80	5.89	130.17	379.20
42.82	5.68	120.84	378.62
42.84	5.41	108.17	378.62
42.86	5.34	103.51	379.20
42.88	5.53	105.51	380.37
42.90	5.81	107.06	381.53
42.92	6.08	106.84	382.11
42.94	6.35	107.29	382.70
42.96	6.54	107.29	383.28
42.98	6.82	107.52	383.28
43.00	7.00	107.52	383.86

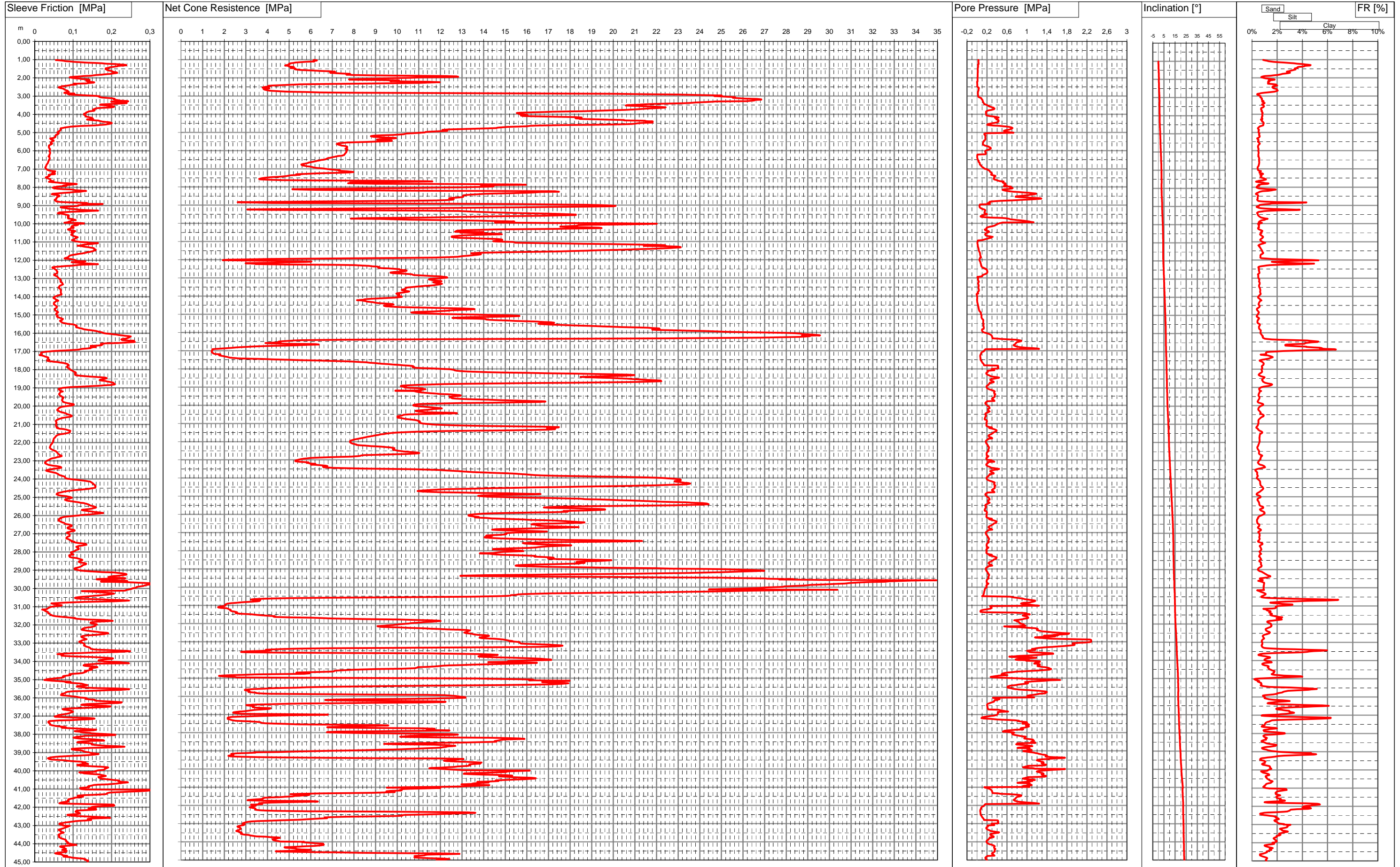




Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Operatore DR.STANZANI  
 Prova nr. 1 Cert. N. 542/2011  
 Data 09/05/11 Emesso il 09/05/11  
 Falda 0,00 ml  
 Preforo 1.00 m. p.c.

**MN-CPTU11**


  
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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	6.14	55.00	25.70
1.04	6.28	66.11	32.09
1.06	6.22	74.56	30.35
1.08	6.10	79.67	28.60
1.10	6.17	92.34	28.02
1.12	5.81	103.23	26.86
1.14	5.50	118.34	29.19
1.16	5.30	135.67	30.35
1.18	5.19	158.56	30.93
1.20	5.08	174.78	30.93
1.22	4.99	185.45	32.09
1.24	5.00	208.56	33.26
1.26	5.02	222.11	21.05
1.28	4.99	235.67	20.46
1.30	4.88	238.78	21.05
1.32	4.82	233.00	22.79
1.34	4.96	217.03	23.95
1.36	4.97	215.92	23.37
1.38	5.00	209.92	23.37
1.40	5.21	200.36	22.21
1.42	5.22	195.03	19.88
1.44	5.10	192.58	18.14
1.46	5.08	188.36	16.40
1.48	5.24	184.58	15.23
1.50	5.30	185.25	15.23
1.52	5.25	184.13	14.65
1.54	5.31	190.36	14.65
1.56	5.46	188.13	16.40
1.58	5.72	191.25	16.40
1.60	6.08	194.36	16.40
1.62	6.44	199.47	15.81
1.64	6.84	201.91	15.81
1.66	7.13	202.58	15.81
1.68	7.03	209.25	15.81
1.70	6.96	213.69	15.81
1.72	6.89	215.02	15.23
1.74	7.07	209.02	14.65
1.76	7.41	203.69	14.07
1.78	7.82	195.69	13.49
1.80	7.83	185.24	12.90
1.82	7.64	173.69	12.90
1.84	7.91	161.91	13.49
1.86	8.67	154.13	13.49
1.88	9.88	145.91	12.90
1.90	12.21	128.35	12.90
1.92	12.75	114.35	12.90
1.94	12.83	100.36	12.90
1.96	12.35	91.02	11.74
1.98	11.12	93.03	11.74
2.00	10.58	97.25	11.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	9.81	105.70	11.74
2.04	9.05	116.81	11.74
2.06	8.55	123.03	11.74
2.08	7.77	136.59	11.74
2.10	7.78	142.81	11.16
2.12	8.92	142.82	11.16
2.14	10.09	134.15	10.58
2.16	9.85	133.93	10.58
2.18	9.68	138.60	10.00
2.20	10.38	138.16	9.42
2.22	11.46	146.60	1.86
2.24	11.97	155.05	2.44
2.26	11.50	152.38	3.02
2.28	10.99	142.16	3.02
2.30	9.72	134.39	3.60
2.32	7.85	100.88	4.19
2.34	6.64	105.99	5.35
2.36	5.52	107.32	5.93
2.38	5.06	93.99	6.51
2.40	4.74	91.10	6.51
2.42	4.21	86.43	5.93
2.44	4.04	77.55	4.77
2.46	4.10	69.99	5.35
2.48	4.08	69.10	8.25
2.50	3.90	63.99	14.07
2.52	3.79	61.99	22.79
2.54	3.77	64.44	35.00
2.56	3.93	67.33	36.16
2.58	4.09	72.67	36.16
2.60	3.96	76.22	33.84
2.62	3.82	76.23	31.51
2.64	3.84	77.56	31.51
2.66	3.91	79.34	32.09
2.68	3.97	81.79	31.51
2.70	4.08	85.35	29.77
2.72	4.28	86.24	26.86
2.74	4.52	86.46	22.79
2.76	4.95	88.91	21.63
2.78	5.73	84.02	21.05
2.80	6.45	78.69	19.30
2.82	7.84	76.69	16.98
2.84	11.55	81.14	16.98
2.86	16.56	103.36	16.98
2.88	20.00	86.25	18.72
2.90	21.53	88.26	19.88
2.92	23.02	97.59	21.05
2.94	23.89	115.60	21.05
2.96	24.57	135.82	21.63
2.98	25.02	153.82	21.63
3.00	24.67	168.71	22.79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	24.91	166.49	24.53
3.04	25.30	169.38	28.60
3.06	25.63	170.05	34.42
3.08	25.61	176.27	48.95
3.10	25.53	191.82	71.63
3.12	25.78	202.04	85.59
3.14	26.08	208.04	90.82
3.16	26.64	208.26	93.14
3.18	26.85	205.58	95.47
3.20	26.85	210.47	104.19
3.22	26.55	215.57	110.59
3.24	26.54	220.23	112.33
3.26	26.42	233.34	113.49
3.28	26.15	243.78	115.82
3.30	24.73	198.88	117.56
3.32	24.56	208.21	120.47
3.34	24.10	217.77	123.96
3.36	23.80	229.99	128.03
3.38	23.53	239.54	132.10
3.40	23.20	228.20	137.91
3.42	22.24	205.53	143.15
3.44	21.74	186.86	151.29
3.46	21.45	171.08	165.24
3.48	21.07	169.96	182.10
3.50	20.65	181.51	200.12
3.52	20.57	189.51	216.99
3.54	20.93	200.39	227.45
3.56	21.42	206.83	240.24
3.58	21.89	206.83	260.60
3.60	22.14	205.27	277.46
3.62	22.43	197.05	303.04
3.64	22.36	176.82	325.13
3.66	22.06	161.26	338.50
3.68	21.73	158.37	348.39
3.70	21.50	156.15	349.55
3.72	21.19	152.81	343.74
3.74	20.95	151.48	326.30
3.76	20.56	156.14	292.57
3.78	20.11	155.92	252.45
3.80	19.47	154.58	215.82
3.82	19.01	147.47	198.96
3.84	18.53	140.13	190.82
3.86	17.20	139.24	179.20
3.88	16.83	136.35	186.17
3.90	16.11	133.69	182.10
3.92	15.65	134.13	179.20
3.94	15.53	132.36	179.20
3.96	15.65	129.02	181.52
3.98	15.76	128.14	182.10
4.00	15.66	128.36	183.26

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	15.88	128.14	185.01
4.04	16.03	130.36	186.17
4.06	15.83	132.37	188.50
4.08	15.72	132.81	205.94
4.10	15.87	133.26	251.29
4.12	16.55	132.82	311.18
4.14	17.45	138.60	372.81
4.16	18.27	141.71	402.46
4.18	18.54	147.49	435.02
4.20	18.48	150.16	360.02
4.22	18.24	148.83	383.86
4.24	18.41	144.83	396.07
4.26	18.44	152.17	403.62
4.28	19.25	135.77	386.76
4.30	19.82	142.22	408.86
4.32	20.50	152.22	427.46
4.34	20.49	166.22	429.79
4.36	21.47	169.55	433.86
4.38	21.52	173.11	431.53
4.40	21.82	175.77	430.95
4.42	21.49	187.99	423.40
4.44	21.58	196.21	410.02
4.46	21.82	198.88	385.60
4.48	21.31	201.09	345.48
4.50	21.12	197.98	298.97
4.52	20.98	194.65	256.52
4.54	20.83	190.20	225.13
4.56	20.37	181.97	212.33
4.58	19.08	171.97	202.45
4.60	17.64	158.42	229.20
4.62	16.52	139.75	315.83
4.64	16.14	117.74	451.30
4.66	16.00	101.97	531.54
4.68	15.63	91.97	594.33
4.70	15.11	84.63	643.18
4.72	14.84	78.86	681.55
4.74	14.65	73.08	699.57
4.76	14.57	67.75	711.78
4.78	14.17	66.86	703.64
4.80	13.62	67.53	687.36
4.82	12.90	67.31	673.41
4.84	12.34	67.53	655.97
4.86	12.09	66.64	618.17
4.88	12.14	66.42	571.66
4.90	12.32	65.54	550.15
4.92	12.32	63.98	537.93
4.94	11.94	61.54	546.08
4.96	11.49	61.32	576.31
4.98	11.31	58.87	626.90
5.00	11.28	59.10	685.04

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	11.07	59.98	728.06
5.04	10.73	62.65	212.33
5.06	10.44	60.88	160.59
5.08	10.39	60.66	146.63
5.10	10.28	59.32	146.05
5.12	10.10	55.77	149.54
5.14	9.75	54.44	155.94
5.16	9.28	54.66	163.50
5.18	8.94	54.44	172.80
5.20	8.78	53.78	168.73
5.22	8.78	54.22	166.99
5.24	8.90	54.00	166.99
5.26	9.13	52.22	166.40
5.28	9.46	50.22	166.40
5.30	9.93	48.45	166.99
5.32	9.96	40.04	166.99
5.34	9.76	40.71	169.89
5.36	9.45	41.82	169.89
5.38	9.15	44.05	168.73
5.40	9.07	46.49	165.24
5.42	9.27	48.49	159.42
5.44	9.62	49.16	152.45
5.46	9.76	49.16	140.82
5.48	9.62	45.60	132.68
5.50	9.16	43.38	128.61
5.52	8.57	42.49	126.29
5.54	8.04	42.05	125.12
5.56	7.66	42.05	123.38
5.58	7.41	44.05	121.05
5.60	7.28	45.60	119.89
5.62	7.23	44.49	118.72
5.64	7.20	43.16	118.72
5.66	7.25	40.94	119.30
5.68	7.31	38.71	123.38
5.70	7.36	37.38	135.59
5.72	7.42	36.94	154.19
5.74	7.54	36.71	178.61
5.76	7.64	36.71	210.59
5.78	7.69	36.27	232.69
5.80	7.69	36.71	237.34
5.82	7.67	37.16	253.62
5.84	7.69	37.38	271.64
5.86	7.66	38.05	274.55
5.88	7.62	38.72	277.46
5.90	7.60	39.83	270.48
5.92	7.65	39.83	258.85
5.94	7.71	39.61	239.08
5.96	7.69	39.16	214.66
5.98	7.68	39.16	191.40
6.00	7.67	38.72	175.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	7.65	38.50	167.57
6.04	7.64	38.50	164.08
6.06	7.66	39.39	162.91
6.08	7.64	40.05	164.66
6.10	7.64	40.50	173.38
6.12	7.62	39.83	175.70
6.14	7.60	39.83	178.61
6.16	7.59	39.39	179.20
6.18	7.59	39.16	175.70
6.20	7.57	38.50	168.73
6.22	7.56	38.05	8.83
6.24	7.55	38.28	8.25
6.26	7.49	38.50	5.93
6.28	7.47	38.50	3.60
6.30	7.25	35.62	3.02
6.32	7.20	36.96	3.02
6.34	7.11	37.63	3.02
6.36	7.02	38.29	3.60
6.38	6.95	38.74	4.19
6.40	6.88	39.18	5.93
6.42	6.79	39.18	8.25
6.44	6.75	38.74	10.58
6.46	6.72	38.07	11.74
6.48	6.67	37.18	14.65
6.50	6.60	36.74	16.40
6.52	6.48	36.29	21.05
6.54	6.41	35.85	28.60
6.56	6.30	35.84	34.42
6.58	6.24	35.62	31.51
6.60	6.17	34.95	29.77
6.62	6.06	34.73	33.26
6.64	6.00	34.51	38.49
6.66	5.91	34.29	47.21
6.68	5.87	33.62	54.19
6.70	5.81	32.73	57.10
6.72	5.73	32.07	54.77
6.74	5.63	31.18	54.77
6.76	5.56	30.95	57.68
6.78	5.57	30.06	62.91
6.80	5.58	29.62	72.21
6.82	5.65	29.62	80.35
6.84	5.74	29.40	84.42
6.86	5.82	28.95	89.07
6.88	5.98	28.51	94.89
6.90	6.04	27.40	103.61
6.92	6.12	27.40	115.24
6.94	6.18	27.62	126.87
6.96	6.35	28.51	136.75
6.98	6.54	29.84	145.47
7.00	6.72	30.73	155.36

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova 1  
 Cert. N. 542/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	6.78	31.40	198.96
7.04	6.94	32.51	207.10
7.06	7.15	34.73	218.73
7.08	7.36	37.62	230.94
7.10	7.29	44.29	248.39
7.12	7.42	53.18	255.36
7.14	7.67	52.95	258.27
7.16	7.89	49.40	261.18
7.18	7.98	46.95	266.99
7.20	7.79	46.73	279.78
7.22	7.35	44.51	291.41
7.24	6.53	52.06	297.80
7.26	6.17	52.95	301.88
7.28	5.81	52.06	296.06
7.30	5.33	40.54	285.60
7.32	5.53	36.10	282.10
7.34	5.34	39.43	294.32
7.36	5.09	38.77	322.80
7.38	4.98	38.32	358.86
7.40	4.88	36.32	371.65
7.42	4.75	33.65	357.11
7.44	4.50	30.32	343.74
7.46	4.20	28.76	342.00
7.48	3.97	29.87	351.88
7.50	3.84	32.54	346.06
7.52	3.74	35.65	337.92
7.54	3.65	38.10	333.27
7.56	3.61	40.10	335.60
7.58	3.68	41.21	343.74
7.60	3.97	40.76	363.50
7.62	4.69	40.54	395.49
7.64	6.22	41.21	410.60
7.66	9.17	48.98	425.14
7.68	11.33	47.87	464.10
7.70	11.63	36.76	534.45
7.72	9.85	47.20	526.30
7.74	8.23	58.09	511.77
7.76	7.82	70.31	515.84
7.78	7.86	83.87	529.80
7.80	7.73	103.20	566.42
7.82	9.02	109.65	572.82
7.84	12.43	100.76	562.36
7.86	15.68	93.20	553.05
7.88	15.95	80.97	550.15
7.90	14.65	73.86	573.99
7.92	13.88	82.53	586.78
7.94	14.28	68.75	602.48
7.96	14.46	58.08	533.87
7.98	14.34	55.41	675.15
8.00	13.85	49.63	656.55

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	13.00	46.74	659.45
8.04	11.71	50.29	690.85
8.06	10.39	52.07	714.11
8.08	8.55	57.62	698.99
8.10	6.36	74.28	655.97
8.12	5.15	95.61	568.17
8.14	5.34	102.50	521.66
8.16	6.26	104.72	509.45
8.18	7.79	124.27	530.96
8.20	10.23	134.05	565.84
8.22	14.34	125.15	607.70
8.24	17.29	119.15	648.40
8.26	17.48	103.37	726.32
8.28	16.62	92.04	829.81
8.30	16.31	80.27	936.21
8.32	15.97	65.82	1033.31
8.34	15.30	55.60	1114.13
8.36	14.52	45.82	1179.25
8.38	14.03	44.26	1179.83
8.40	13.71	50.48	1147.85
8.42	13.42	57.59	1089.71
8.44	13.19	62.04	1033.31
8.46	13.07	64.04	979.24
8.48	13.04	64.92	905.98
8.50	13.06	62.92	843.77
8.52	13.06	60.03	777.49
8.54	13.06	58.92	770.50
8.56	12.99	58.03	847.84
8.58	12.80	56.69	1015.29
8.60	12.51	56.03	1137.39
8.62	12.40	56.47	1260.65
8.64	12.41	56.47	1287.98
8.66	12.55	54.02	1228.67
8.68	12.62	51.80	1100.76
8.70	12.56	52.02	946.10
8.72	12.29	53.35	812.95
8.74	11.81	55.35	676.31
8.76	10.78	55.12	496.65
8.78	7.96	56.68	361.18
8.80	5.95	66.68	275.71
8.82	4.09	79.79	246.64
8.84	2.61	118.23	243.73
8.86	3.37	136.67	262.34
8.88	4.22	127.78	228.61
8.90	7.77	124.01	208.27
8.92	12.39	177.11	217.57
8.94	15.38	164.89	260.01
8.96	17.26	134.89	58.84
8.98	18.76	113.33	61.16
9.00	19.41	112.00	56.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	19.88	112.89	52.44
9.04	20.11	101.33	49.53
9.06	20.02	81.11	48.37
9.08	18.87	67.55	49.53
9.10	17.19	67.33	51.28
9.12	15.63	74.66	55.35
9.14	13.81	80.44	61.75
9.16	11.55	83.77	72.21
9.18	8.45	90.21	85.00
9.20	6.13	105.10	103.61
9.22	4.07	114.43	121.05
9.24	3.06	120.88	144.89
9.26	4.16	152.66	158.84
9.28	7.76	165.10	167.57
9.30	11.36	144.88	162.91
9.32	12.86	122.88	157.10
9.34	13.28	98.66	158.26
9.36	13.60	73.10	151.87
9.38	14.02	63.32	150.70
9.40	14.55	63.76	150.12
9.42	15.14	59.54	153.03
9.44	15.86	66.43	148.96
9.46	16.71	74.21	161.75
9.48	17.38	77.54	190.82
9.50	17.96	81.76	202.45
9.52	18.28	86.21	182.68
9.54	18.26	88.65	141.40
9.56	17.60	89.09	115.82
9.58	16.64	88.20	90.23
9.60	15.50	86.65	76.86
9.62	14.30	85.76	71.05
9.64	13.28	85.98	79.19
9.66	12.37	85.98	135.59
9.68	11.20	87.76	272.80
9.70	9.73	86.42	482.70
9.72	8.33	89.08	570.50
9.74	7.86	99.30	622.82
9.76	9.27	98.19	648.40
9.78	10.02	105.53	671.08
9.80	10.60	107.08	734.46
9.82	12.27	96.19	817.60
9.84	13.27	94.41	892.02
9.86	14.04	93.08	940.87
9.88	14.82	88.63	1003.08
9.90	15.42	89.74	1046.10
9.92	15.23	82.85	1086.22
9.94	14.71	77.29	1131.58
9.96	14.53	115.52	505.96
9.98	17.13	128.41	476.30
10.00	20.13	115.29	447.81

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	22.01	103.52	422.81
10.04	21.50	111.07	404.79
10.06	20.12	112.84	389.09
10.08	18.99	109.73	380.37
10.10	18.39	101.28	368.74
10.12	18.32	97.28	355.37
10.14	18.28	96.17	332.11
10.16	17.82	95.73	304.78
10.18	17.54	95.95	266.41
10.20	17.93	100.61	230.94
10.22	18.83	101.28	208.27
10.24	19.35	93.74	196.64
10.26	19.46	92.41	189.08
10.28	18.69	91.96	191.99
10.30	17.34	86.41	194.89
10.32	15.71	86.63	184.43
10.34	14.42	89.96	154.19
10.36	13.59	95.95	158.84
10.38	13.08	101.06	169.89
10.40	12.79	105.73	182.68
10.42	12.73	104.40	228.03
10.44	12.76	100.84	236.76
10.46	12.67	94.84	241.40
10.48	14.00	98.11	233.27
10.50	12.91	97.28	217.57
10.52	13.18	99.28	197.22
10.54	13.66	98.17	182.10
10.56	14.23	97.50	169.89
10.58	14.77	95.94	164.08
10.60	14.84	94.83	165.24
10.62	14.26	95.72	165.24
10.64	13.51	98.38	169.31
10.66	13.09	99.71	176.87
10.68	12.82	102.82	193.15
10.70	12.66	105.71	217.57
10.72	12.53	109.93	260.01
10.74	12.51	111.93	314.67
10.76	12.54	109.49	287.34
10.78	12.70	107.49	287.92
10.80	12.94	106.15	268.15
10.82	13.49	104.60	240.24
10.84	14.10	102.82	211.75
10.86	14.61	101.70	185.01
10.88	14.82	98.59	153.61
10.90	14.87	96.81	129.77
10.92	14.86	99.26	108.26
10.94	14.79	103.70	20.46
10.96	14.58	107.26	15.81
10.98	14.44	113.03	13.49
11.00	14.58	118.37	12.32

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	15.34	138.15	10.58
11.04	15.42	138.81	9.42
11.06	15.45	165.04	8.83
11.08	16.31	157.48	8.83
11.10	17.34	149.70	8.83
11.12	18.54	141.26	10.00
11.14	19.85	131.48	10.58
11.16	21.01	123.70	12.32
11.18	21.95	122.59	13.49
11.20	22.35	111.47	15.23
11.22	22.43	120.58	16.40
11.24	21.41	126.17	16.98
11.26	22.56	130.61	17.56
11.28	22.99	137.51	19.30
11.30	23.12	145.06	23.37
11.32	23.12	149.06	25.11
11.34	22.89	154.17	26.86
11.36	22.58	153.95	28.02
11.38	22.20	154.84	30.35
11.40	21.70	157.06	31.51
11.42	21.17	159.05	32.68
11.44	20.79	158.83	33.26
11.46	20.10	155.94	35.00
11.48	19.33	152.82	36.74
11.50	18.77	152.38	39.07
11.52	18.15	148.60	41.40
11.54	17.46	143.04	44.30
11.56	16.57	138.81	47.79
11.58	15.54	133.70	51.86
11.60	14.49	129.25	55.35
11.62	13.76	125.24	58.26
11.64	13.42	117.02	60.00
11.66	13.54	112.79	60.58
11.68	13.79	107.23	61.16
11.70	13.88	100.79	61.75
11.72	13.80	95.90	62.91
11.74	13.59	91.89	65.23
11.76	13.45	90.12	66.98
11.78	13.23	88.78	68.14
11.80	13.04	88.56	69.89
11.82	12.94	87.67	72.21
11.84	12.76	85.67	75.12
11.86	12.38	82.56	78.60
11.88	11.73	79.00	80.93
11.90	10.37	77.67	59.42
11.92	7.71	86.33	58.26
11.94	6.09	95.45	55.35
11.96	4.14	99.67	52.44
11.98	3.07	103.67	49.53
12.00	2.13	106.78	48.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	1.93	107.45	48.37
12.04	2.74	107.45	50.12
12.06	4.29	131.89	53.02
12.08	5.35	126.56	58.26
12.10	6.04	96.12	62.33
12.12	5.80	100.56	66.40
12.14	5.11	116.34	68.72
12.16	4.23	122.12	71.05
12.18	3.41	133.68	71.63
12.20	2.99	155.01	73.96
12.22	3.49	164.79	75.70
12.24	3.44	123.96	78.60
12.26	4.81	111.97	80.93
12.28	7.09	102.86	82.10
12.30	8.03	96.41	82.68
12.32	8.39	80.86	83.26
12.34	8.70	67.30	85.00
12.36	8.85	55.75	88.49
12.38	9.08	46.64	94.30
12.40	9.17	45.75	100.70
12.42	9.14	45.98	108.26
12.44	9.12	50.42	123.96
12.46	9.26	50.87	142.56
12.48	9.62	51.54	161.75
12.50	9.94	53.09	161.75
12.52	10.11	55.10	189.66
12.54	10.10	56.65	197.80
12.56	10.20	56.88	196.06
12.58	10.40	56.65	201.29
12.60	10.44	57.54	203.61
12.62	10.41	59.32	204.78
12.64	10.32	59.32	206.52
12.66	10.09	59.10	208.27
12.68	9.84	58.21	208.27
12.70	9.69	57.99	205.94
12.72	9.69	57.55	202.45
12.74	9.84	55.55	196.06
12.76	10.18	52.66	186.17
12.78	10.52	50.66	170.47
12.80	10.68	50.21	152.45
12.82	10.70	50.88	134.42
12.84	10.77	53.32	118.14
12.86	11.02	55.32	107.10
12.88	11.40	57.77	103.03
12.90	11.68	59.10	101.86
12.92	12.00	59.55	104.19
12.94	12.18	60.44	8.83
12.96	12.30	61.32	7.67
12.98	12.32	61.99	14.07
13.00	12.19	62.88	23.95

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 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	11.96	64.43	23.37
13.04	11.70	66.66	19.30
13.06	11.53	67.32	17.56
13.08	11.46	66.88	19.30
13.10	11.53	66.65	21.05
13.12	11.63	66.87	21.63
13.14	11.76	67.54	24.53
13.16	11.92	66.87	28.60
13.18	12.06	66.87	35.58
13.20	12.00	68.20	38.49
13.22	11.89	71.09	37.32
13.24	11.67	71.11	30.93
13.26	11.73	71.55	26.28
13.28	11.83	72.22	23.95
13.30	11.97	72.67	22.79
13.32	12.08	73.55	23.37
13.34	12.01	71.78	25.70
13.36	11.92	69.33	28.02
13.38	11.80	67.33	30.35
13.40	11.71	65.55	32.09
13.42	11.54	64.44	33.26
13.44	11.30	63.77	33.84
13.46	11.06	63.10	32.68
13.48	10.89	62.66	30.35
13.50	10.70	61.99	29.19
13.52	10.53	63.10	29.19
13.54	10.41	64.88	29.19
13.56	10.40	65.77	29.77
13.58	10.41	66.21	30.35
13.60	10.35	66.65	32.09
13.62	10.34	67.32	33.84
13.64	10.22	67.98	36.16
13.66	10.21	67.98	39.07
13.68	10.22	67.98	40.23
13.70	10.34	67.98	39.07
13.72	10.46	67.98	35.00
13.74	10.56	67.31	30.35
13.76	10.50	67.98	25.11
13.78	10.41	68.20	19.88
13.80	10.30	68.20	14.65
13.82	10.15	68.65	12.90
13.84	10.01	69.09	18.14
13.86	9.96	69.98	24.53
13.88	9.98	68.87	-6.86
13.90	10.04	66.42	-7.44
13.92	10.11	62.64	-6.86
13.94	10.11	59.98	-5.12
13.96	10.07	56.86	-2.80
13.98	10.03	54.20	0.11
14.00	10.09	51.75	1.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	10.17	50.20	3.60
14.04	10.22	49.31	4.19
14.06	10.10	48.42	4.77
14.08	9.90	49.53	5.93
14.10	9.59	51.53	5.35
14.12	9.19	53.31	4.19
14.14	8.88	54.42	3.02
14.16	8.63	55.75	3.02
14.18	8.48	58.86	2.44
14.20	8.44	59.97	2.44
14.22	8.14	61.33	2.44
14.24	8.38	56.00	3.02
14.26	8.48	54.44	3.02
14.28	8.55	53.78	4.19
14.30	8.60	52.89	4.77
14.32	8.77	50.67	5.35
14.34	8.90	49.78	6.51
14.36	9.00	49.78	7.67
14.38	9.08	49.78	10.00
14.40	9.27	49.78	11.74
14.42	9.63	49.78	14.07
14.44	9.78	51.33	15.23
14.46	9.84	52.89	16.40
14.48	9.74	54.22	18.14
14.50	9.52	55.78	20.46
14.52	9.40	56.89	22.79
14.54	9.39	57.78	23.95
14.56	9.49	58.00	24.53
14.58	9.72	57.55	28.60
14.60	10.14	56.44	27.44
14.62	10.68	55.55	29.19
14.64	11.43	54.22	30.93
14.66	12.26	52.00	32.68
14.68	13.03	52.00	33.84
14.70	13.54	52.00	35.58
14.72	13.59	52.22	36.74
14.74	13.27	53.11	38.49
14.76	12.90	54.44	40.81
14.78	12.55	55.77	42.56
14.80	12.33	57.77	44.89
14.82	12.09	59.11	48.37
14.84	11.65	60.66	58.26
14.86	11.14	60.66	62.91
14.88	10.80	59.55	69.30
14.90	10.65	57.10	75.12
14.92	10.73	56.44	78.60
14.94	11.05	55.54	80.35
14.96	11.53	55.77	79.19
14.98	12.07	56.88	77.44
15.00	12.75	57.99	79.77

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	13.56	59.10	83.84
15.04	14.44	59.98	89.65
15.06	15.21	57.98	90.82
15.08	15.65	57.54	90.82
15.10	15.65	58.20	90.23
15.12	15.06	59.54	89.65
15.14	14.22	62.87	89.65
15.16	13.39	65.76	89.65
15.18	12.73	69.09	90.82
15.20	12.56	70.42	93.72
15.22	12.91	73.54	96.63
15.24	13.71	71.32	100.70
15.26	14.10	71.77	105.93
15.28	14.10	71.32	114.66
15.30	14.19	67.54	123.96
15.32	14.59	65.54	129.19
15.34	15.07	66.43	129.19
15.36	15.45	67.32	126.29
15.38	15.96	69.10	125.12
15.40	16.40	70.43	126.29
15.42	16.77	71.76	125.70
15.44	17.11	74.87	123.96
15.46	17.26	79.76	123.38
15.48	17.10	85.09	125.12
15.50	16.70	91.98	128.03
15.52	16.53	99.76	129.77
15.54	16.64	103.75	132.68
15.56	17.04	106.20	131.52
15.58	17.52	108.64	128.03
15.60	17.97	109.75	126.87
15.62	18.44	108.63	128.03
15.64	18.92	107.30	129.77
15.66	19.43	107.30	130.93
15.68	19.86	108.63	133.26
15.70	20.37	113.29	135.00
15.72	21.03	116.84	136.17
15.74	21.55	121.29	136.17
15.76	21.89	124.40	135.59
15.78	22.13	127.06	133.84
15.80	22.15	131.95	132.68
15.82	21.91	139.72	103.61
15.84	21.80	147.05	100.70
15.86	22.05	154.16	99.54
15.88	22.69	159.71	99.54
15.90	23.47	162.37	99.54
15.92	24.22	167.48	104.19
15.94	24.80	170.81	110.00
15.96	25.16	176.59	118.14
15.98	26.04	177.03	126.87
16.00	27.05	181.02	144.89

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Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	27.88	187.69	171.05
16.04	28.43	196.13	196.06
16.06	28.65	205.01	218.73
16.08	28.73	213.45	246.06
16.10	29.02	218.78	260.60
16.12	29.26	227.44	270.48
16.14	29.44	235.44	280.94
16.16	29.57	244.54	289.09
16.18	28.72	250.34	296.06
16.20	29.10	245.67	298.97
16.22	28.86	245.23	300.13
16.24	28.62	246.12	301.88
16.26	27.96	241.67	307.11
16.28	26.88	241.00	308.27
16.30	24.93	236.77	307.11
16.32	22.42	228.32	309.43
16.34	18.59	225.21	425.72
16.36	14.19	226.32	483.86
16.38	10.36	228.31	645.50
16.40	7.40	237.86	776.32
16.42	5.63	258.75	836.79
16.44	5.21	251.41	878.07
16.46	4.93	258.74	889.70
16.48	4.69	260.74	881.56
16.50	4.52	248.51	854.23
16.52	4.61	230.51	819.35
16.54	4.57	217.40	793.18
16.56	4.13	184.06	787.95
16.58	3.90	172.07	783.30
16.60	4.09	177.40	774.00
16.62	4.92	174.51	767.60
16.64	6.21	175.41	763.53
16.66	6.38	173.19	753.06
16.68	5.83	162.52	735.62
16.70	5.34	145.41	730.97
16.72	4.84	153.63	741.43
16.74	4.11	155.63	759.46
16.76	3.53	158.97	778.07
16.78	3.20	144.75	811.20
16.80	2.83	143.86	852.49
16.82	2.57	146.09	911.21
16.84	2.34	137.42	1004.24
16.86	2.15	122.98	1119.36
16.88	1.94	119.65	1194.95
16.90	1.62	113.43	1244.95
16.92	1.45	103.65	170.47
16.94	1.45	80.98	160.00
16.96	1.46	63.87	154.19
16.98	1.45	49.43	148.96
17.00	1.42	36.55	147.21

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	1.42	28.33	140.82
17.04	1.41	21.00	130.93
17.06	1.43	17.00	114.08
17.08	1.43	16.12	98.38
17.10	1.45	16.34	89.07
17.12	1.46	16.35	87.91
17.14	1.48	17.02	83.84
17.16	1.51	17.02	80.35
17.18	1.58	17.03	78.60
17.20	1.82	12.43	75.70
17.22	1.82	17.77	71.05
17.24	1.76	21.99	68.14
17.26	1.77	24.44	64.65
17.28	1.87	27.11	63.49
17.30	1.96	30.00	64.07
17.32	2.05	33.78	64.65
17.34	2.13	35.78	65.81
17.36	2.17	34.22	66.40
17.38	2.25	33.56	67.56
17.40	2.41	33.56	69.89
17.42	2.65	34.67	71.05
17.44	3.13	36.67	71.05
17.46	3.78	36.90	72.21
17.48	4.32	34.90	70.47
17.50	4.88	32.01	71.63
17.52	5.56	33.12	76.86
17.54	6.31	39.57	82.10
17.56	7.00	48.91	86.17
17.58	7.51	58.02	90.23
17.60	7.90	64.46	95.47
17.62	8.26	70.69	99.54
17.64	8.56	76.02	103.61
17.66	8.74	80.02	108.26
17.68	8.96	83.80	115.24
17.70	9.15	86.25	120.47
17.72	9.33	86.69	126.87
17.74	9.57	88.25	132.68
17.76	9.82	88.91	135.59
17.78	10.04	87.80	137.91
17.80	10.28	85.80	140.82
17.82	10.52	84.24	414.09
17.84	10.69	83.57	422.81
17.86	10.76	83.57	422.23
17.88	10.75	84.68	425.14
17.90	10.70	86.24	426.88
17.92	10.75	88.46	422.23
17.94	10.90	90.01	426.30
17.96	11.20	91.12	428.63
17.98	11.65	90.68	426.88
18.00	12.10	92.01	290.83

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	12.44	94.01	293.73
18.04	12.57	96.23	306.53
18.06	12.64	98.23	329.20
18.08	12.64	99.56	346.65
18.10	12.75	101.11	213.50
18.12	12.90	103.55	218.15
18.14	13.21	105.78	221.06
18.16	13.63	107.11	218.73
18.18	14.23	107.33	207.69
18.20	14.91	106.88	195.48
18.22	15.93	104.22	187.33
18.24	16.97	104.44	184.43
18.26	18.13	104.89	185.59
18.28	19.18	104.89	190.82
18.30	20.03	106.00	199.54
18.32	20.68	112.44	210.59
18.34	20.97	120.66	224.55
18.36	20.87	134.88	244.90
18.38	20.47	143.55	262.92
18.40	19.66	158.21	267.57
18.42	18.85	173.77	306.53
18.44	18.48	183.98	350.71
18.46	18.70	187.76	397.81
18.48	19.28	186.87	443.74
18.50	19.87	182.20	425.72
18.52	20.28	178.64	375.72
18.54	20.67	173.52	335.02
18.56	20.94	169.52	297.22
18.58	21.24	168.85	272.80
18.60	21.45	175.29	264.08
18.62	21.85	183.28	268.15
18.64	22.19	187.72	279.78
18.66	22.20	192.61	294.90
18.68	22.22	196.60	313.50
18.70	21.78	201.71	332.11
18.72	21.04	204.82	336.76
18.74	19.87	205.26	330.95
18.76	18.19	206.36	254.20
18.78	16.14	207.47	278.04
18.80	14.39	209.02	257.69
18.82	13.06	206.57	241.99
18.84	12.14	196.79	235.59
18.86	11.48	182.78	234.43
18.88	10.95	167.89	229.78
18.90	10.52	151.22	216.40
18.92	10.24	130.55	204.20
18.94	10.17	110.77	196.64
18.96	10.17	93.65	191.99
18.98	10.27	80.76	189.66
19.00	10.42	72.54	191.40



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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova 1  
 Cert. N. 542/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	10.33	68.10	192.57
19.04	10.58	64.32	197.22
19.06	10.95	62.32	203.61
19.08	11.19	62.54	213.50
19.10	11.18	63.87	225.71
19.12	11.31	64.77	243.15
19.14	11.13	66.55	265.25
19.16	11.06	67.88	291.41
19.18	11.12	67.88	312.92
19.20	9.91	73.06	333.27
19.22	10.78	67.28	348.39
19.24	10.85	66.39	355.95
19.26	10.92	66.17	351.88
19.28	11.04	65.51	342.58
19.30	11.14	65.06	341.41
19.32	11.35	63.73	342.58
19.34	11.57	63.07	344.90
19.36	11.80	63.29	351.88
19.38	11.99	64.84	364.67
19.40	12.42	64.84	367.00
19.42	12.69	65.73	354.20
19.44	12.88	67.29	357.69
19.46	12.95	68.62	353.04
19.48	12.92	70.62	350.71
19.50	12.73	72.40	352.46
19.52	12.47	74.18	357.69
19.54	12.43	74.63	352.46
19.56	12.44	73.74	341.41
19.58	12.54	73.07	328.62
19.60	12.50	73.07	316.99
19.62	12.57	72.40	305.36
19.64	12.76	71.29	297.80
19.66	13.21	71.07	300.71
19.68	13.76	71.07	312.92
19.70	14.27	71.52	328.62
19.72	14.82	72.18	335.60
19.74	15.45	73.07	343.16
19.76	16.15	73.07	349.55
19.78	16.71	75.07	205.36
19.80	16.86	78.62	199.54
19.82	16.56	82.40	187.91
19.84	15.66	86.18	178.03
19.86	14.31	91.29	170.47
19.88	12.96	97.96	167.57
19.90	12.01	101.29	167.57
19.92	11.40	101.95	172.22
19.94	11.03	100.40	178.61
19.96	10.81	96.40	185.59
19.98	10.76	91.28	194.89
20.00	10.74	83.28	202.45

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	10.76	75.50	210.59
20.04	10.86	70.61	219.31
20.06	11.03	67.50	229.78
20.08	11.23	64.83	239.08
20.10	11.46	63.06	245.48
20.12	11.64	62.39	248.97
20.14	11.85	61.28	251.29
20.16	12.02	60.17	253.62
20.18	12.07	60.17	240.82
20.20	11.79	58.20	218.73
20.22	11.63	58.20	223.38
20.24	11.48	59.54	223.38
20.26	11.28	60.87	221.06
20.28	11.00	63.98	222.22
20.30	10.85	65.09	228.03
20.32	10.85	67.53	238.50
20.34	10.97	71.09	254.20
20.36	11.06	75.09	225.13
20.38	11.32	78.42	226.87
20.40	11.89	81.53	208.27
20.42	12.63	82.42	190.82
20.44	12.77	84.64	180.36
20.46	12.13	87.31	169.89
20.48	11.22	91.97	165.82
20.50	10.56	93.97	165.24
20.52	10.29	95.08	169.89
20.54	10.27	96.86	175.70
20.56	10.25	95.75	180.94
20.58	10.14	92.64	181.52
20.60	10.03	86.41	176.29
20.62	10.01	79.30	171.63
20.64	10.01	74.19	166.99
20.66	10.02	70.41	164.08
20.68	10.02	67.52	162.33
20.70	10.15	64.19	160.59
20.72	10.24	61.52	155.94
20.74	10.33	59.30	153.61
20.76	10.44	57.96	153.03
20.78	10.61	55.96	155.36
20.80	10.73	55.08	182.68
20.82	10.87	54.63	187.91
20.84	10.94	55.30	193.73
20.86	10.98	55.52	198.96
20.88	11.05	56.41	200.70
20.90	11.05	56.86	198.96
20.92	11.00	56.63	194.31
20.94	11.03	55.97	190.24
20.96	11.05	55.74	189.08
20.98	11.09	56.41	189.66
21.00	11.17	55.74	191.99

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	11.33	55.08	194.31
21.04	11.47	55.08	191.40
21.06	11.70	55.30	189.08
21.08	12.08	55.97	187.91
21.10	12.61	55.74	186.75
21.12	13.34	55.97	187.91
21.14	14.40	56.41	193.73
21.16	15.56	56.63	204.78
21.18	16.75	60.21	223.96
21.20	17.48	57.77	251.87
21.22	17.46	60.44	299.55
21.24	17.24	65.77	242.57
21.26	16.93	75.33	255.94
21.28	16.95	80.88	290.83
21.30	17.31	83.99	321.06
21.32	17.30	85.99	343.74
21.34	16.94	91.32	368.74
21.36	16.21	92.66	384.44
21.38	14.92	91.32	394.90
21.40	13.42	91.32	389.09
21.42	12.23	91.54	386.76
21.44	11.36	91.09	376.88
21.46	10.77	88.43	358.28
21.48	10.33	84.87	339.67
21.50	10.01	79.97	329.20
21.52	9.79	74.20	319.90
21.54	9.62	67.53	312.92
21.56	9.49	62.86	300.71
21.58	9.39	59.97	287.92
21.60	9.24	57.97	271.64
21.62	9.17	57.08	252.45
21.64	9.08	55.74	241.40
21.66	8.98	54.63	233.27
21.68	8.88	53.96	231.52
21.70	8.82	53.29	233.85
21.72	8.69	52.85	240.82
21.74	8.60	51.74	251.87
21.76	8.53	50.63	268.15
21.78	8.45	49.74	293.15
21.80	8.38	49.52	298.97
21.82	8.28	49.52	305.95
21.84	8.20	48.85	227.45
21.86	8.10	48.85	227.45
21.88	8.04	48.18	218.15
21.90	7.97	47.74	204.78
21.92	7.92	47.74	194.31
21.94	7.86	47.74	185.59
21.96	7.82	47.74	179.20
21.98	7.84	46.85	175.70
22.00	7.84	46.41	174.54

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	7.82	45.97	176.29
22.04	7.82	45.52	179.20
22.06	7.85	44.63	182.10
22.08	7.88	43.30	185.01
22.10	7.93	42.41	189.08
22.12	7.97	41.97	194.89
22.14	8.04	41.53	201.87
22.16	8.12	41.08	207.10
22.18	8.11	40.67	209.43
22.20	8.29	40.45	214.66
22.22	8.54	39.79	220.48
22.24	8.77	39.79	222.80
22.26	9.03	39.12	219.90
22.28	9.28	39.34	230.36
22.30	9.50	39.79	238.50
22.32	9.68	40.90	240.82
22.34	9.82	42.01	242.57
22.36	9.87	43.34	238.50
22.38	9.86	44.45	236.76
22.40	9.85	45.79	234.43
22.42	9.80	48.45	230.94
22.44	9.81	50.68	225.71
22.46	9.86	53.79	223.96
22.48	9.97	55.12	225.71
22.50	10.03	56.45	232.69
22.52	10.17	57.56	232.10
22.54	10.31	58.45	221.06
22.56	10.51	58.90	211.75
22.58	10.74	59.34	204.78
22.60	10.95	60.45	198.38
22.62	11.02	61.56	194.31
22.64	11.00	62.67	193.73
22.66	10.82	63.78	192.57
22.68	10.36	65.11	191.99
22.70	9.76	67.33	191.40
22.72	9.07	70.00	196.06
22.74	8.49	70.00	201.29
22.76	8.36	67.55	200.12
22.78	8.28	64.22	193.73
22.80	8.18	58.22	229.20
22.82	7.88	55.78	221.64
22.84	7.31	51.78	215.82
22.86	6.69	46.66	204.78
22.88	6.27	42.22	193.73
22.90	6.00	39.77	189.08
22.92	5.82	39.99	186.75
22.94	5.67	38.66	186.17
22.96	5.54	35.55	190.24
22.98	5.48	33.33	194.89
23.00	5.42	31.33	196.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	5.34	30.22	290.83
23.04	5.29	29.33	293.73
23.06	5.28	27.99	306.53
23.08	5.30	26.88	329.20
23.10	5.46	26.44	346.65
23.12	5.67	26.44	213.50
23.14	5.90	27.33	218.15
23.16	5.81	29.58	221.06
23.18	5.91	30.69	218.73
23.20	5.97	33.14	207.69
23.22	6.22	35.81	195.48
23.24	6.13	40.03	187.33
23.26	6.01	46.69	184.43
23.28	6.26	53.14	185.59
23.30	6.50	59.36	190.82
23.32	6.68	64.92	199.54
23.34	6.78	67.59	210.59
23.36	6.73	69.14	224.55
23.38	6.57	68.69	244.90
23.40	6.59	64.25	262.92
23.42	6.73	56.47	267.57
23.44	7.03	49.36	306.53
23.46	7.63	42.03	350.71
23.48	8.54	36.25	397.81
23.50	9.79	32.69	443.74
23.52	10.79	29.80	425.72
23.54	11.46	29.80	375.72
23.56	11.96	32.03	335.02
23.58	12.25	35.80	297.22
23.60	12.52	40.47	272.80
23.62	12.81	44.91	264.08
23.64	13.06	49.36	268.15
23.66	13.29	54.03	279.78
23.68	13.64	56.69	294.90
23.70	14.10	58.47	313.50
23.72	14.62	60.25	332.11
23.74	15.09	61.36	336.76
23.76	15.44	62.69	330.95
23.78	15.69	64.46	254.20
23.80	15.93	67.57	278.04
23.82	16.18	70.46	257.69
23.84	16.34	74.02	241.99
23.86	16.67	77.35	235.59
23.88	17.43	78.68	234.43
23.90	18.34	78.68	229.78
23.92	19.40	79.12	216.40
23.94	20.47	79.34	204.20
23.96	21.39	81.12	196.64
23.98	21.94	85.34	191.99
24.00	22.28	91.33	189.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	22.55	100.44	191.40
24.04	22.79	109.77	192.57
24.06	23.05	117.33	197.22
24.08	23.12	125.77	203.61
24.10	23.10	131.99	213.50
24.12	23.12	137.76	225.71
24.14	23.11	144.65	243.15
24.16	22.86	145.98	265.25
24.18	22.83	147.09	291.41
24.20	22.89	148.86	312.92
24.22	23.05	150.20	333.27
24.24	23.16	151.97	348.39
24.26	23.29	152.19	355.95
24.28	23.48	152.19	351.88
24.30	23.56	154.63	342.58
24.32	23.52	156.18	341.41
24.34	23.39	156.40	342.58
24.36	23.06	156.62	344.90
24.38	22.52	158.39	351.88
24.40	21.98	157.72	364.67
24.42	21.24	158.61	367.00
24.44	20.29	157.71	354.20
24.46	19.33	157.71	357.69
24.48	18.31	155.71	353.04
24.50	17.31	150.37	350.71
24.52	16.20	145.48	352.46
24.54	15.28	139.03	357.69
24.56	14.28	129.47	352.46
24.58	13.54	119.02	341.41
24.60	12.87	108.57	328.62
24.62	12.21	100.57	316.99
24.64	11.81	93.01	305.36
24.66	11.56	85.23	297.80
24.68	11.20	79.68	300.71
24.70	11.03	74.12	312.92
24.72	10.94	70.34	328.62
24.74	11.13	66.12	335.60
24.76	11.47	62.34	343.16
24.78	12.02	59.45	349.55
24.80	12.99	57.67	205.36
24.82	14.00	57.45	199.54
24.84	15.21	56.79	187.91
24.86	15.63	60.34	178.03
24.88	16.64	60.57	170.47
24.90	16.35	64.35	167.57
24.92	15.26	74.13	167.57
24.94	14.45	81.69	172.22
24.96	13.91	87.24	178.61
24.98	13.74	91.25	185.59
25.00	13.85	94.58	194.89

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	14.17	96.80	202.45
25.04	14.69	95.47	210.59
25.06	15.29	91.03	219.31
25.08	16.13	85.25	229.78
25.10	17.00	81.47	239.08
25.12	17.82	79.25	245.48
25.14	18.49	78.81	248.97
25.16	18.68	81.08	251.29
25.18	19.40	82.86	253.62
25.20	19.97	88.86	240.82
25.22	20.29	96.86	218.73
25.24	20.89	103.30	223.38
25.26	21.42	109.53	223.38
25.28	21.81	114.41	221.06
25.30	22.22	119.74	222.22
25.32	22.77	128.19	228.03
25.34	23.35	131.29	238.50
25.36	23.70	135.52	254.20
25.38	24.12	137.74	225.13
25.40	24.33	140.18	226.87
25.42	24.37	142.18	208.27
25.44	24.41	143.51	190.82
25.46	24.13	146.17	180.36
25.48	23.66	150.84	169.89
25.50	22.80	154.17	165.82
25.52	21.25	155.72	165.24
25.54	19.49	157.28	169.89
25.56	18.12	159.72	175.70
25.58	17.46	157.27	180.94
25.60	16.98	152.38	181.52
25.62	16.78	149.49	176.29
25.64	17.04	142.37	171.63
25.66	17.98	132.59	166.99
25.68	18.78	124.37	164.08
25.70	19.38	122.15	162.33
25.72	19.61	126.37	160.59
25.74	19.62	132.81	155.94
25.76	19.32	140.14	153.61
25.78	18.78	147.92	153.03
25.80	18.06	155.02	155.36
25.82	17.69	163.24	182.68
25.84	17.90	170.35	187.91
25.86	17.82	178.13	193.73
25.88	17.19	171.01	198.96
25.90	16.12	160.79	200.70
25.92	15.05	152.56	198.96
25.94	14.45	143.01	194.31
25.96	13.99	130.56	190.24
25.98	13.71	120.12	189.08
26.00	13.53	111.89	189.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	13.36	102.34	191.99
26.04	13.30	91.22	194.31
26.06	13.30	82.11	191.40
26.08	13.33	76.34	189.08
26.10	13.45	72.12	187.91
26.12	13.61	68.56	186.75
26.14	13.78	66.12	187.91
26.16	13.59	68.63	193.73
26.18	13.76	63.74	204.78
26.20	14.17	62.63	223.96
26.22	14.34	63.08	251.87
26.24	14.85	61.74	299.55
26.26	15.41	61.74	242.57
26.28	15.85	61.96	255.94
26.30	16.20	64.85	290.83
26.32	16.81	66.63	321.06
26.34	17.25	67.96	343.74
26.36	17.65	69.74	368.74
26.38	17.87	72.41	384.44
26.40	18.21	75.96	394.90
26.42	18.38	77.52	389.09
26.44	18.67	78.86	386.76
26.46	18.57	80.86	376.88
26.48	17.94	84.64	358.28
26.50	17.25	89.98	339.67
26.52	16.32	93.98	329.20
26.54	16.21	96.20	319.90
26.56	16.35	96.42	312.92
26.58	16.60	95.98	300.71
26.60	16.47	94.42	287.92
26.62	16.52	91.09	271.64
26.64	16.88	87.31	252.45
26.66	17.35	85.75	241.40
26.68	18.03	85.08	233.27
26.70	18.40	85.75	231.52
26.72	18.03	88.19	233.85
26.74	17.45	90.19	240.82
26.76	16.68	95.52	251.87
26.78	15.74	101.30	268.15
26.80	14.93	103.07	293.15
26.82	14.54	104.18	298.97
26.84	14.39	102.85	305.95
26.86	14.60	98.18	227.45
26.88	15.13	93.73	227.45
26.90	15.85	89.73	218.15
26.92	16.57	85.28	204.78
26.94	16.93	83.50	194.31
26.96	16.68	84.17	185.59
26.98	16.08	86.39	179.20
27.00	15.44	88.39	175.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	15.13	89.50	174.54
27.04	15.02	90.84	176.29
27.06	15.00	91.28	179.20
27.08	15.05	91.06	182.10
27.10	15.02	90.61	185.01
27.12	14.76	90.83	189.08
27.14	14.41	89.06	194.89
27.16	14.12	86.64	201.87
27.18	14.40	84.20	207.10
27.20	14.32	83.31	209.43
27.22	14.24	82.87	214.66
27.24	14.07	81.76	220.48
27.26	14.03	82.87	222.80
27.28	14.11	85.31	219.90
27.30	14.35	88.20	230.36
27.32	14.78	89.75	238.50
27.34	15.24	91.53	240.82
27.36	15.95	93.97	242.57
27.38	16.82	94.42	238.50
27.40	17.86	97.53	236.76
27.42	19.28	95.53	234.43
27.44	20.30	102.86	230.94
27.46	21.33	102.41	225.71
27.48	20.82	105.53	223.96
27.50	19.28	112.19	225.71
27.52	17.62	120.19	232.69
27.54	16.56	128.42	232.10
27.56	16.08	132.42	221.06
27.58	15.81	133.97	211.75
27.60	15.91	134.86	204.78
27.62	16.17	130.86	198.38
27.64	16.57	123.96	194.31
27.66	17.05	117.07	193.73
27.68	17.64	113.51	192.57
27.70	18.05	109.95	191.99
27.72	17.81	108.18	191.40
27.74	17.21	110.62	196.06
27.76	16.91	112.40	201.29
27.78	16.66	113.95	200.12
27.80	16.52	114.84	193.73
27.82	16.43	114.84	229.20
27.84	16.09	114.61	221.64
27.86	15.43	113.50	215.82
27.88	14.81	109.95	204.78
27.90	14.45	107.28	193.73
27.92	14.42	105.50	189.08
27.94	14.84	104.39	186.75
27.96	15.24	103.05	186.17
27.98	15.49	100.61	190.24
28.00	15.80	96.83	194.89

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09/05/11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 542/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	15.84	93.94	196.64
28.04	15.35	93.94	191.40
28.06	14.95	94.83	189.08
28.08	14.71	96.16	187.91
28.10	14.59	97.05	186.75
28.12	14.45	96.38	187.91
28.14	13.82	101.08	193.73
28.16	14.24	92.64	204.78
28.18	14.40	89.75	223.96
28.20	14.52	89.53	251.87
28.22	14.88	89.53	299.55
28.24	15.44	91.08	242.57
28.26	16.02	90.86	255.94
28.28	16.40	92.42	290.83
28.30	16.36	96.19	321.06
28.32	16.36	104.64	343.74
28.34	16.71	109.53	368.74
28.36	17.07	113.30	384.44
28.38	17.24	116.63	394.90
28.40	17.10	120.19	389.09
28.42	16.98	123.08	386.76
28.44	16.98	124.19	376.88
28.46	17.53	120.63	358.28
28.48	18.48	118.85	339.67
28.50	19.44	117.96	329.20
28.52	19.91	114.62	319.90
28.54	19.67	114.62	312.92
28.56	19.35	115.95	300.71
28.58	18.74	121.28	287.92
28.60	18.34	127.95	271.64
28.62	18.29	131.50	252.45
28.64	18.54	133.94	241.40
28.66	18.68	133.94	233.27
28.68	18.53	131.94	231.52
28.70	18.42	128.16	233.85
28.72	17.80	125.27	240.82
28.74	17.06	123.27	251.87
28.76	16.33	123.26	268.15
28.78	15.81	121.71	293.15
28.80	15.51	119.70	298.97
28.82	15.48	117.04	305.95
28.84	15.66	114.59	227.45
28.86	16.18	110.81	227.45
28.88	17.05	106.59	218.15
28.90	18.00	103.70	204.78
28.92	19.00	103.47	194.31
28.94	20.44	104.13	185.59
28.96	21.99	105.69	179.20
28.98	22.75	112.13	175.70
29.00	24.36	113.24	174.54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	25.17	120.80	176.29
29.04	25.98	130.57	179.20
29.06	26.49	144.80	182.10
29.08	26.86	159.46	185.01
29.10	26.99	177.46	189.08
29.12	26.42	205.72	194.89
29.14	25.92	213.50	201.87
29.16	25.52	222.83	207.10
29.18	24.92	230.83	209.43
29.20	24.22	236.83	214.66
29.22	23.30	239.27	220.48
29.24	22.16	238.16	222.80
29.26	20.77	233.71	219.90
29.28	19.39	228.15	230.36
29.30	17.73	217.03	238.50
29.32	15.82	205.70	240.82
29.34	14.21	198.13	242.57
29.36	13.14	193.69	238.50
29.38	12.92	191.46	236.76
29.40	14.14	195.46	234.43
29.42	16.73	217.68	230.94
29.44	19.79	236.34	225.71
29.46	22.38	201.22	223.96
29.48	24.93	163.22	225.71
29.50	26.02	161.01	232.69
29.52	27.03	170.80	232.10
29.54	27.12	195.70	221.06
29.56	28.34	213.50	211.75
29.58	27.68	240.40	204.78
29.60	29.74	241.30	198.38
29.62	34.95	172.16	194.31
29.64	33.85	207.27	193.73
29.66	33.20	240.60	192.57
29.68	32.77	268.15	191.99
29.70	32.57	286.14	191.40
29.72	31.86	309.24	196.06
29.74	31.32	306.12	201.29
29.76	31.08	303.22	200.12
29.78	30.90	300.10	193.73
29.80	30.71	293.64	229.20
29.82	30.33	288.97	221.64
29.84	29.89	286.07	215.82
29.86	29.52	282.73	204.78
29.88	29.13	277.38	193.73
29.90	28.93	269.82	189.08
29.92	28.73	264.93	186.75
29.94	28.23	265.37	186.17
29.96	27.91	263.59	190.24
29.98	27.84	258.03	194.89
30.00	27.44	252.91	196.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	27.07	252.91	188.50
30.04	26.83	247.80	176.87
30.06	26.44	244.25	166.99
30.08	25.84	238.03	161.17
30.10	25.09	237.80	158.26
30.12	24.42	234.92	155.94
30.14	30.38	122.74	155.36
30.16	28.34	134.74	153.61
30.18	26.98	150.96	151.29
30.20	26.02	163.41	148.96
30.22	25.27	175.85	147.21
30.24	24.38	189.62	145.47
30.26	23.41	201.18	143.15
30.28	22.02	206.73	141.98
30.30	20.17	201.62	140.82
30.32	18.49	196.28	139.08
30.34	17.15	189.38	137.91
30.36	16.37	178.94	136.17
30.38	15.85	168.71	134.42
30.40	15.61	156.26	132.10
30.42	15.50	144.93	129.19
30.44	15.26	134.92	125.70
30.46	15.25	121.14	118.14
30.48	15.07	112.25	112.33
30.50	14.59	106.92	101.28
30.52	13.55	104.70	662.94
30.54	11.77	106.92	687.94
30.56	9.34	119.59	730.39
30.58	6.83	141.14	788.53
30.60	5.04	172.70	846.68
30.62	4.31	199.14	893.19
30.64	3.79	226.04	926.33
30.66	3.34	245.82	953.66
30.68	3.24	233.82	1007.73
30.70	3.34	206.48	1066.45
30.72	3.66	168.04	1117.04
30.74	3.61	129.37	1161.81
30.76	3.63	98.04	1165.88
30.78	3.54	77.16	1151.34
30.80	3.24	55.83	1121.11
30.82	2.93	42.95	1083.90
30.84	2.70	46.29	1061.22
30.86	2.56	52.74	936.21
30.88	2.35	57.41	901.33
30.90	2.17	61.19	880.40
30.92	2.12	70.31	900.17
30.94	2.07	68.53	967.61
30.96	2.04	62.76	1052.50
30.98	2.06	52.10	1118.20
31.00	2.05	44.10	1165.30

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 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 542/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	2.04	40.77	1240.30
31.04	1.98	37.89	260.60
31.06	1.84	36.56	282.10
31.08	1.75	34.34	277.46
31.10	1.71	33.23	278.62
31.12	1.73	32.35	276.88
31.14	1.84	30.13	296.64
31.16	2.10	19.12	279.78
31.18	2.18	23.34	270.48
31.20	2.19	25.12	234.43
31.22	2.22	27.57	187.91
31.24	2.30	27.57	139.66
31.26	2.30	30.01	104.19
31.28	2.28	33.57	79.77
31.30	2.31	34.68	71.05
31.32	2.35	34.23	70.47
31.34	2.46	34.68	66.40
31.36	2.52	34.90	69.89
31.38	2.59	38.02	148.38
31.40	2.56	38.68	737.37
31.42	2.52	40.46	949.59
31.44	2.56	40.46	994.36
31.46	2.79	44.24	983.31
31.48	3.07	44.91	1026.92
31.50	3.30	49.36	1056.57
31.52	3.49	54.47	942.03
31.54	3.64	60.91	926.33
31.56	3.95	73.14	915.28
31.58	4.15	83.36	940.29
31.60	4.35	94.47	967.61
31.62	4.27	104.92	1003.66
31.64	4.34	103.14	1015.29
31.66	5.08	109.36	1021.69
31.68	6.01	119.36	1025.75
31.70	6.63	135.81	1017.03
31.72	6.93	164.47	991.45
31.74	7.68	185.81	940.87
31.76	8.90	198.03	913.54
31.78	10.11	203.14	873.42
31.80	10.84	185.80	810.62
31.82	11.50	164.47	744.92
31.84	11.96	151.13	811.20
31.86	12.01	146.02	786.20
31.88	11.84	144.90	806.56
31.90	11.59	146.23	827.49
31.92	11.30	147.12	840.86
31.94	11.06	154.90	844.35
31.96	10.86	160.89	852.49
31.98	10.65	162.22	863.53
32.00	10.52	158.67	857.72

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	10.35	157.33	890.86
32.04	10.09	155.99	934.47
32.06	9.97	157.10	929.24
32.08	9.81	154.66	943.19
32.10	9.55	149.76	933.89
32.12	9.42	146.65	968.78
32.14	9.09	136.49	825.74
32.16	9.11	131.38	541.42
32.18	9.27	128.04	653.06
32.20	9.64	125.60	835.63
32.22	10.14	124.49	924.59
32.24	10.65	123.15	1079.83
32.26	11.12	122.04	1166.46
32.28	11.54	125.59	1210.65
32.30	11.93	130.92	1217.62
32.32	12.35	137.81	1201.35
32.34	12.92	145.37	1197.86
32.36	13.22	154.25	1199.60
32.38	13.37	162.03	1229.25
32.40	13.31	170.92	1258.90
32.42	13.22	180.69	1289.72
32.44	13.27	190.24	1352.52
32.46	13.22	191.35	1428.10
32.48	13.16	187.35	1508.92
32.50	13.10	181.12	1603.70
32.52	13.17	171.79	1711.26
32.54	13.26	160.23	1844.99
32.56	13.47	147.78	1833.94
32.58	13.50	135.56	1812.43
32.60	13.56	126.44	1710.10
32.62	13.73	122.88	1531.01
32.64	14.04	120.88	1626.37
32.66	14.23	121.32	1347.29
32.68	14.25	122.88	1335.66
32.70	14.18	125.76	1564.16
32.72	14.08	127.54	1469.97
32.74	13.96	129.54	1280.42
32.76	13.84	131.76	1158.32
32.78	13.80	135.31	1196.70
32.80	13.91	132.42	1336.24
32.82	14.16	127.53	1411.24
32.84	14.51	123.75	1512.99
32.86	14.77	122.19	1956.62
32.88	14.91	119.75	2256.64
32.90	15.02	117.30	2285.71
32.92	15.09	115.52	2285.71
32.94	15.20	116.63	2285.71
32.96	15.33	119.74	2285.71
32.98	15.19	124.41	2285.71
33.00	15.50	125.74	2285.71

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	15.65	127.52	2258.96
33.04	15.67	129.52	2170.59
33.06	15.66	130.18	2014.18
33.08	15.69	129.51	1917.67
33.10	15.73	129.95	1913.60
33.12	16.04	128.01	1928.71
33.14	16.55	128.45	1936.27
33.16	17.05	132.45	1956.04
33.18	17.31	132.67	1944.41
33.20	17.59	136.23	1896.15
33.22	17.65	140.22	1819.99
33.24	17.53	142.67	1729.86
33.26	17.29	144.22	1622.88
33.28	16.52	145.11	1512.99
33.30	14.98	145.11	1403.10
33.32	12.43	147.77	1317.63
33.34	9.55	153.77	1232.16
33.36	6.84	164.65	1183.32
33.38	5.34	190.87	1146.11
33.40	4.73	213.98	1098.43
33.42	4.22	239.98	1132.74
33.44	3.92	248.64	1167.04
33.46	4.02	234.64	1124.01
33.48	4.13	213.74	1043.78
33.50	3.80	179.96	999.01
33.52	3.19	146.63	1023.43
33.54	2.89	119.74	1035.06
33.56	2.77	91.51	1049.59
33.58	3.00	66.18	1086.22
33.60	4.51	58.85	1248.44
33.62	8.02	68.85	1421.70
33.64	11.39	73.96	1517.06
33.66	12.84	73.52	1526.95
33.68	13.81	69.29	1432.17
33.70	14.30	76.19	1333.91
33.72	14.66	98.41	1271.12
33.74	14.54	123.30	1150.18
33.76	14.11	147.08	1003.08
33.78	13.87	169.75	850.16
33.80	13.76	187.97	743.18
33.82	13.80	199.97	643.76
33.84	14.06	204.19	690.27
33.86	14.65	200.64	1081.57
33.88	15.35	188.41	1182.16
33.90	15.95	177.96	1112.39
33.92	16.35	171.07	967.61
33.94	16.67	166.41	845.51
33.96	16.88	166.18	804.23
33.98	17.12	173.52	772.83
34.00	17.13	181.52	812.37

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Prova **1**  
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H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	16.56	199.52	1047.85
34.04	15.64	222.18	982.73
34.06	15.21	230.85	1171.69
34.08	15.12	239.29	1257.74
34.10	15.43	245.74	1258.90
34.12	14.21	164.90	1247.86
34.14	16.18	154.01	1207.16
34.16	16.47	141.56	1167.04
34.18	16.05	130.67	1148.43
34.20	15.58	128.22	1144.95
34.22	14.84	126.89	1222.86
34.24	14.11	130.45	1257.16
34.26	13.53	139.78	1257.74
34.28	12.94	154.22	1255.42
34.30	12.42	162.00	1229.25
34.32	12.12	163.33	1210.65
34.34	11.90	158.44	1209.49
34.36	11.77	150.21	1247.86
34.38	11.37	142.65	1293.79
34.40	10.95	143.54	1358.33
34.42	10.94	145.32	1409.50
34.44	10.86	149.76	1435.08
34.46	10.82	147.54	1447.29
34.48	10.22	141.76	1458.92
34.50	9.19	139.31	1484.50
34.52	8.35	130.20	1461.82
34.54	7.93	131.30	1439.73
34.56	7.68	135.30	1355.42
34.58	7.24	131.52	1225.77
34.60	7.09	129.52	1105.99
34.62	7.08	127.08	937.96
34.64	7.03	123.30	805.98
34.66	6.34	112.85	730.97
34.68	5.72	98.18	665.85
34.70	5.34	89.96	598.99
34.72	5.39	91.96	547.24
34.74	5.95	93.96	526.30
34.76	5.70	91.96	505.38
34.78	4.48	82.62	493.17
34.80	3.47	74.85	530.38
34.82	2.81	73.07	564.68
34.84	2.30	77.29	608.87
34.86	1.89	76.41	434.44
34.88	1.75	73.07	396.07
34.90	1.91	67.30	339.67
34.92	2.20	56.85	295.48
34.94	2.50	47.96	271.06
34.96	2.56	37.97	321.64
34.98	5.16	31.08	489.68
35.00	10.28	28.42	744.92

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	13.68	24.64	886.21
35.04	14.71	35.98	1009.48
35.06	15.66	45.54	1221.11
35.08	16.24	60.21	1565.32
35.10	16.33	75.99	1664.74
35.12	16.09	93.55	1456.59
35.14	17.98	79.78	1365.89
35.16	17.48	86.23	1262.98
35.18	17.32	98.45	1137.97
35.20	16.97	109.12	1027.50
35.22	16.71	120.89	960.63
35.24	17.02	125.56	969.36
35.26	17.74	128.22	1005.99
35.28	17.92	132.89	1022.27
35.30	17.75	137.55	1002.50
35.32	17.56	131.99	946.10
35.34	17.14	121.77	866.44
35.36	16.33	111.10	815.86
35.38	14.88	109.32	776.90
35.40	13.08	117.31	718.18
35.42	11.25	123.09	666.43
35.44	9.42	132.42	635.03
35.46	8.04	163.53	615.85
35.48	6.63	205.53	612.36
35.50	5.88	231.30	609.45
35.52	5.40	246.19	612.94
35.54	4.72	239.30	647.24
35.56	4.12	223.74	680.39
35.58	3.85	189.07	711.20
35.60	3.39	160.18	754.23
35.62	3.07	131.50	825.16
35.64	2.95	101.95	901.91
35.66	2.95	86.61	1011.80
35.68	3.03	83.50	1141.46
35.70	3.09	81.05	1243.79
35.72	3.18	79.94	1326.93
35.74	3.15	78.61	1381.00
35.76	3.11	74.61	1399.61
35.78	3.24	69.94	1396.70
35.80	3.46	70.17	1376.36
35.82	3.46	71.06	1362.98
35.84	3.64	68.17	1367.05
35.86	4.12	71.06	1234.49
35.88	6.07	80.84	1222.28
35.90	8.86	92.39	1163.55
35.92	11.34	98.17	1125.18
35.94	12.20	110.84	1068.78
35.96	12.47	112.18	1020.52
35.98	12.69	119.73	1002.50
36.00	12.85	131.73	1011.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	12.84	135.52	1047.27
36.04	13.08	134.85	1091.46
36.06	13.17	132.41	1143.79
36.08	13.16	142.41	316.41
36.10	12.36	154.91	348.39
36.12	11.70	157.13	385.60
36.14	10.23	155.80	410.60
36.16	8.39	160.69	453.63
36.18	7.13	177.58	405.37
36.20	6.67	195.13	412.93
36.22	6.94	214.68	351.30
36.24	8.17	226.90	344.90
36.26	10.30	224.68	347.23
36.28	11.78	218.01	345.48
36.30	12.24	194.23	333.85
36.32	12.19	163.34	315.25
36.34	11.08	137.78	290.83
36.36	8.92	124.44	264.66
36.38	6.91	120.88	246.64
36.40	5.50	125.33	229.78
36.42	4.67	151.55	216.40
36.44	3.96	184.21	205.94
36.46	3.33	197.55	203.03
36.48	3.02	196.21	200.70
36.50	3.07	181.77	202.45
36.52	3.20	163.54	203.03
36.54	3.36	146.43	207.69
36.56	3.35	117.98	210.01
36.58	3.31	89.76	209.43
36.60	3.32	75.53	211.17
36.62	3.50	72.42	211.17
36.64	3.81	74.65	210.59
36.66	4.14	81.31	215.24
36.68	4.11	85.98	216.40
36.70	4.03	95.54	221.64
36.72	3.72	96.20	228.03
36.74	3.49	97.32	433.86
36.76	3.29	99.76	463.51
36.78	3.19	98.21	493.75
36.80	3.09	94.43	529.80
36.82	2.93	92.43	574.57
36.84	2.70	89.99	623.40
36.86	2.52	87.10	414.67
36.88	2.43	81.10	425.14
36.90	2.41	75.54	428.05
36.92	2.47	68.88	423.40
36.94	2.59	62.66	420.49
36.96	2.83	60.21	412.93
36.98	4.62	60.44	410.60
37.00	6.80	55.99	405.95

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **1**  
 Cert. N. 542/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	6.64	51.55	398.98
37.04	5.38	54.22	376.88
37.06	4.24	73.55	337.92
37.08	3.72	100.67	278.62
37.10	3.08	135.62	220.48
37.12	2.62	152.73	171.63
37.14	2.33	155.84	137.33
37.16	2.21	147.61	104.77
37.18	2.16	135.61	94.89
37.20	2.19	114.28	89.07
37.22	2.16	93.61	136.17
37.24	2.16	61.61	296.64
37.26	2.21	44.72	356.53
37.28	2.26	36.94	418.74
37.30	2.33	35.61	644.92
37.32	2.39	34.72	759.46
37.34	2.51	35.61	840.28
37.36	2.79	35.61	818.19
37.38	3.12	37.39	845.51
37.40	3.48	39.39	927.49
37.42	3.65	39.83	992.61
37.44	3.70	39.61	1003.08
37.46	3.72	40.06	961.21
37.48	3.89	40.50	928.08
37.50	4.32	44.50	906.56
37.52	4.83	49.84	981.57
37.54	5.38	54.51	1035.64
37.56	7.00	61.39	1042.03
37.58	9.16	74.06	1020.52
37.60	9.59	81.17	979.82
37.62	8.94	69.40	986.22
37.64	8.14	71.62	1010.06
37.66	7.54	88.29	1037.96
37.68	7.07	109.62	1010.64
37.70	6.76	129.62	983.89
37.72	7.19	145.40	953.08
37.74	9.04	160.29	890.86
37.76	11.01	158.51	874.58
37.78	11.74	152.73	880.98
37.80	11.65	119.84	900.75
37.82	11.40	103.83	925.75
37.84	11.37	107.39	760.62
37.86	11.90	119.16	675.73
37.88	12.42	119.38	589.10
37.90	11.12	126.94	542.59
37.92	9.11	144.71	537.35
37.94	7.26	146.04	517.00
37.96	6.76	163.15	617.59
37.98	6.75	179.59	725.74
38.00	7.28	194.70	744.34

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	8.33	210.26	700.73
38.04	9.68	209.81	698.41
38.06	11.18	184.69	713.53
38.08	12.51	131.38	707.71
38.10	12.81	125.82	727.48
38.12	12.68	118.49	754.81
38.14	11.98	108.49	781.55
38.16	11.12	105.82	828.65
38.18	10.55	100.71	864.70
38.20	10.31	105.59	917.61
38.22	10.14	111.81	975.75
38.24	10.43	124.26	955.40
38.26	11.84	141.81	956.56
38.28	14.31	156.03	950.17
38.30	15.22	168.70	946.10
38.32	15.70	178.47	944.93
38.34	15.89	180.92	1019.36
38.36	15.38	149.58	1062.39
38.38	14.92	128.25	1115.88
38.40	14.80	118.91	1114.71
38.42	14.71	112.46	1128.09
38.44	14.60	110.46	1140.30
38.46	14.51	123.79	1139.71
38.48	14.60	138.90	1102.50
38.50	14.56	147.34	1085.64
38.52	13.90	150.45	1085.64
38.54	13.03	149.78	1133.90
38.56	11.79	148.00	1171.69
38.58	10.50	157.11	817.60
38.60	9.67	165.99	833.30
38.62	9.39	182.21	791.44
38.64	10.04	199.32	783.30
38.66	11.68	219.54	842.02
38.68	12.23	233.76	937.38
38.70	12.45	218.64	1011.22
38.72	12.69	189.08	1082.73
38.74	12.56	151.53	1107.73
38.76	12.32	120.63	1040.87
38.78	12.27	107.52	989.12
38.80	12.12	96.41	924.00
38.82	11.99	96.40	840.28
38.84	11.74	99.29	806.56
38.86	11.33	107.96	1053.66
38.88	10.85	118.18	1019.94
38.90	10.49	126.18	1014.12
38.92	9.96	125.73	1037.96
38.94	9.22	127.07	1082.73
38.96	8.47	132.40	1094.94
38.98	7.72	138.62	1056.57
39.00	6.77	143.73	928.66

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	5.92	146.18	926.91
39.04	5.24	155.06	985.05
39.06	4.50	159.95	1048.43
39.08	3.38	166.46	1094.36
39.10	3.44	159.57	1142.62
39.12	2.99	151.13	1175.76
39.14	2.56	137.79	1211.23
39.16	2.32	119.79	1239.14
39.18	2.34	99.79	1272.86
39.20	2.42	80.23	1309.49
39.22	2.43	63.35	1362.40
39.24	2.35	50.23	1382.75
39.26	2.20	43.57	1395.54
39.28	2.19	40.46	1404.85
39.30	2.30	35.79	1370.54
39.32	2.70	34.24	1385.08
39.34	3.56	36.90	1504.27
39.36	4.75	37.57	1681.02
39.38	6.29	43.35	1760.68
39.40	8.87	58.46	1663.00
39.42	12.09	78.69	1522.88
39.44	13.07	82.91	1428.10
39.46	12.81	89.58	1329.84
39.48	12.75	103.81	1238.56
39.50	12.51	120.70	1206.00
39.52	12.40	126.92	1196.11
39.54	12.17	132.48	1222.86
39.56	12.28	124.26	1253.09
39.58	12.69	129.14	1272.86
39.60	13.19	134.03	1307.17
39.62	13.47	139.14	1323.45
39.64	13.90	124.25	1334.49
39.66	13.73	115.58	1326.93
39.68	13.84	110.47	1292.63
39.70	13.85	113.13	1303.10
39.72	13.60	119.80	1321.70
39.74	13.34	138.02	1346.12
39.76	13.37	157.80	1385.66
39.78	13.39	174.91	1372.29
39.80	13.36	188.90	1356.00
39.82	13.28	191.34	1022.27
39.84	13.05	189.12	1021.10
39.86	12.81	187.34	978.08
39.88	12.64	182.89	952.50
39.90	12.34	183.33	918.77
39.92	12.02	181.55	951.33
39.94	11.55	180.65	1032.15
39.96	11.48	173.76	1129.25
39.98	11.87	164.65	1160.06
40.00	12.15	160.64	1760.68

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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09/05/11**  
 Preforo **1.00 m. p.c.**

Prova **1**  
 Cert. N. **542/2011**  
 Emesso il **09/05/11**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.02	12.48	157.53	1663.00
40.04	12.77	159.53	1522.88
40.06	13.08	149.97	1428.10
40.08	16.14	115.95	1329.84
40.10	15.89	119.28	1238.56
40.12	15.22	125.28	1206.00
40.14	15.07	128.39	1196.11
40.16	15.04	139.72	1222.86
40.18	14.62	155.05	1253.09
40.20	14.10	166.82	1272.86
40.22	13.48	172.82	1307.17
40.24	13.11	177.26	1323.45
40.26	13.07	180.59	1334.49
40.28	13.36	185.26	1326.93
40.30	13.96	180.81	1292.63
40.32	14.62	174.36	1303.10
40.34	15.07	165.47	1321.70
40.36	15.33	166.80	1346.12
40.38	15.27	167.91	1385.66
40.40	14.71	170.36	1372.29
40.42	15.03	170.58	1356.00
40.44	15.28	176.80	1022.27
40.46	15.66	187.69	1021.10
40.48	16.21	197.46	978.08
40.50	16.41	204.35	952.50
40.52	16.40	215.46	918.77
40.54	16.07	220.35	951.33
40.56	15.88	218.79	1032.15
40.58	15.41	217.68	1129.25
40.60	14.94	226.13	1160.06
40.62	14.56	240.35	1011.22
40.64	14.61	242.79	1082.73
40.66	14.69	229.68	1107.73
40.68	14.27	223.90	1040.87
40.70	13.71	213.01	989.12
40.72	13.82	203.00	924.00
40.74	14.23	190.34	840.28
40.76	13.89	164.34	806.56
40.78	13.58	154.56	1053.66
40.80	13.48	149.67	1019.94
40.82	13.46	147.00	1014.12
40.84	12.97	139.89	1037.96
40.86	13.60	138.78	1082.73
40.88	14.26	139.67	1094.94
40.90	14.07	141.67	1056.57
40.92	13.54	133.23	928.66
40.94	13.18	117.89	926.91
40.96	12.92	121.23	985.05
40.98	11.79	119.45	1048.43
41.00	10.41	120.35	144.89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.02	9.52	133.24	171.05
41.04	11.99	323.85	196.06
41.06	11.23	314.08	218.73
41.08	10.64	298.52	246.06
41.10	10.26	291.19	260.60
41.12	10.19	271.40	270.48
41.14	10.22	248.07	280.94
41.16	10.09	225.18	289.09
41.18	10.20	207.62	296.06
41.20	9.68	194.06	298.97
41.22	9.50	189.17	300.13
41.24	9.67	187.84	301.88
41.26	9.89	187.84	307.11
41.28	9.60	184.73	308.27
41.30	8.87	172.95	307.11
41.32	7.76	148.51	309.43
41.34	6.48	126.29	425.72
41.36	5.48	112.95	483.86
41.38	5.06	111.62	645.50
41.40	5.34	122.74	776.32
41.42	5.93	126.30	836.79
41.44	5.76	120.30	878.07
41.46	5.52	111.64	889.70
41.48	5.25	103.20	881.56
41.50	5.18	102.31	854.23
41.52	4.86	97.43	819.35
41.54	4.56	91.21	793.18
41.56	4.14	87.66	787.95
41.58	3.87	89.44	783.30
41.60	3.78	89.00	774.00
41.62	3.81	85.89	767.60
41.64	3.77	84.78	763.53
41.66	3.57	84.79	753.06
41.68	3.27	87.46	735.62
41.70	3.09	82.80	730.97
41.72	3.08	75.47	741.43
41.74	3.95	68.13	759.46
41.76	5.99	67.70	778.07
41.78	6.33	63.70	811.20
41.80	5.82	75.03	852.49
41.82	5.07	134.82	911.21
41.84	4.18	187.26	1004.24
41.86	3.76	205.49	1119.36
41.88	3.60	203.05	1194.95
41.90	3.64	207.50	1244.95
41.92	3.77	205.28	170.47
41.94	3.57	177.94	160.00
41.96	3.23	159.49	154.19
41.98	3.31	149.05	148.96
42.00	3.46	148.39	147.21

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
42.02	3.45	146.39	140.82
42.04	3.31	158.83	130.93
42.06	3.36	139.82	114.08
42.08	3.23	149.60	98.38
42.10	3.17	155.37	89.07
42.12	3.26	160.04	87.91
42.14	3.33	154.04	83.84
42.16	3.44	128.92	80.35
42.18	3.44	109.37	78.60
42.20	3.44	108.03	75.70
42.22	3.43	106.92	71.05
42.24	3.45	106.03	68.14
42.26	3.62	108.03	64.65
42.28	3.89	113.14	63.49
42.30	4.36	114.92	64.07
42.32	5.93	117.80	64.65
42.34	9.09	117.36	65.81
42.36	11.81	115.36	66.40
42.38	13.24	105.58	67.56
42.40	13.62	90.03	69.89
42.42	13.29	84.69	71.05
42.44	12.87	87.81	71.05
42.46	12.27	97.36	72.21
42.48	11.87	112.92	70.47
42.50	11.09	130.92	71.63
42.52	10.35	152.92	76.86
42.54	10.17	175.81	82.10
42.56	10.23	187.14	86.17
42.58	9.99	196.69	90.23
42.60	8.90	170.92	95.47
42.62	7.61	146.03	99.54
42.64	6.92	138.02	103.61
42.66	6.64	140.69	108.26
42.68	6.73	144.69	115.24
42.70	6.76	147.35	120.47
42.72	6.43	134.24	126.87
42.74	6.08	118.24	132.68
42.76	5.83	107.35	135.59
42.78	5.54	99.79	137.91
42.80	5.08	93.12	140.82
42.82	4.58	84.90	414.09
42.84	4.05	77.79	422.81
42.86	3.56	72.68	422.23
42.88	3.21	65.79	425.14
42.90	3.10	64.23	426.88
42.92	3.02	64.01	422.23
42.94	2.96	65.12	426.30
42.96	2.91	69.79	428.63
42.98	2.85	74.68	426.88
43.00	2.85	73.12	290.83

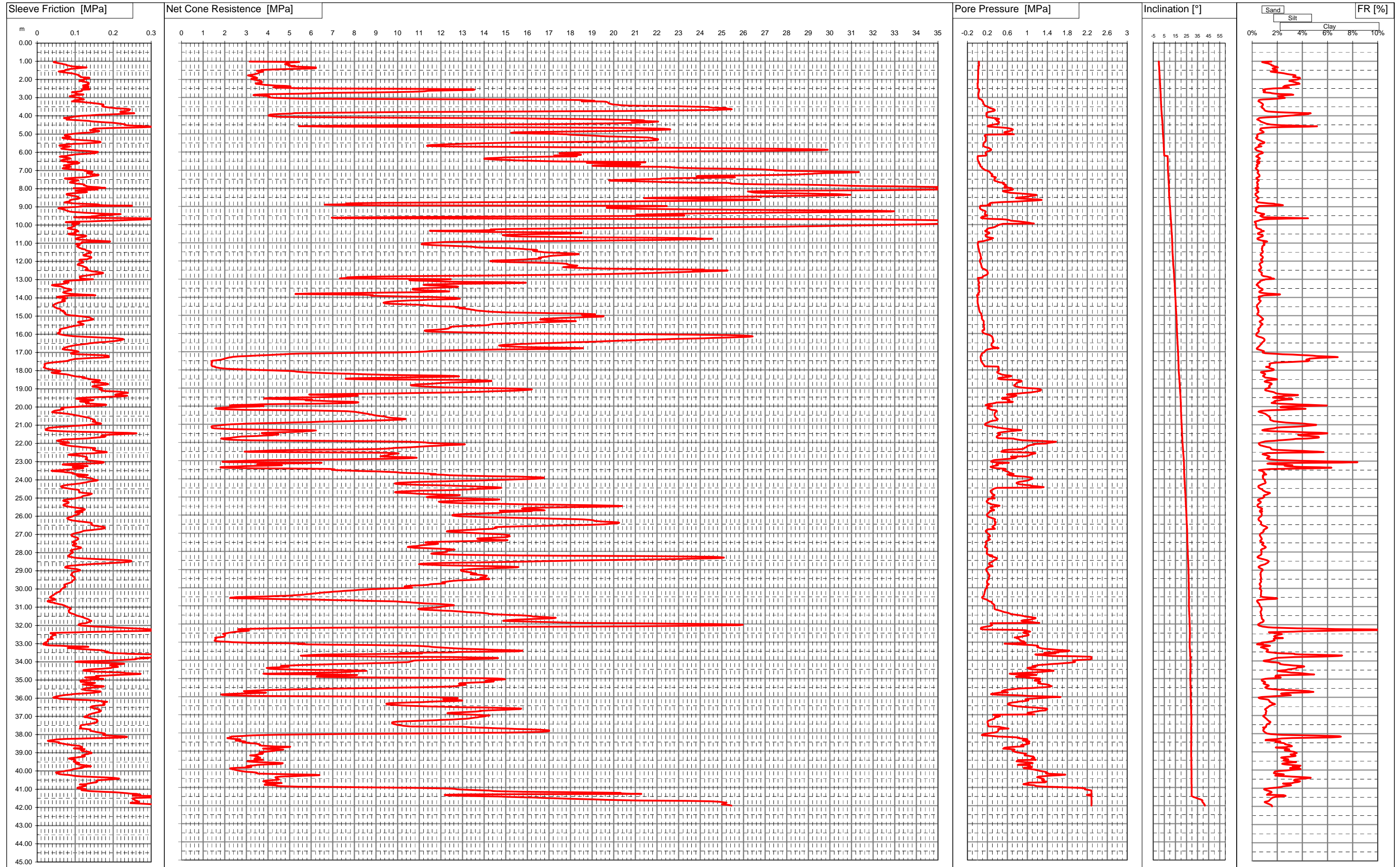




Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Operatore DR.STANZANI  
 Prova nr. 2 Cert. N. 543/2011  
 Data 09/05/11 Emesso il 09/05/11  
 Falda 0.00 ml  
 Preforo 1.00 m. p.c.

MN-CPTU12


  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.02	3.15	49.13	25.70
1.04	5.45	43.13	32.09
1.06	5.17	44.91	30.35
1.08	4.95	50.25	28.60
1.10	4.95	55.36	28.02
1.12	4.85	61.37	26.86
1.14	4.91	66.48	29.19
1.16	4.79	67.81	30.35
1.18	4.83	75.15	30.93
1.20	5.01	77.82	30.93
1.22	5.01	78.04	32.09
1.24	4.95	84.71	33.26
1.26	5.26	87.87	21.05
1.28	5.08	93.43	20.46
1.30	5.33	106.09	21.05
1.32	5.78	118.54	22.79
1.34	6.22	130.09	23.95
1.36	6.20	117.87	23.37
1.38	6.22	109.20	23.37
1.40	5.96	98.54	22.21
1.42	5.22	87.87	19.88
1.44	4.62	82.98	18.14
1.46	4.16	77.87	16.40
1.48	3.70	74.09	15.23
1.50	3.72	73.65	15.23
1.52	3.49	71.20	14.65
1.54	3.55	60.98	14.65
1.56	3.78	56.54	16.40
1.58	3.76	59.65	16.40
1.60	3.66	67.87	16.40
1.62	3.59	74.76	15.81
1.64	3.58	82.98	15.81
1.66	3.55	91.21	15.81
1.68	3.50	94.76	15.81
1.70	3.44	98.99	15.81
1.72	3.36	102.32	15.23
1.74	3.30	106.32	14.65
1.76	3.14	109.88	14.07
1.78	3.07	110.10	13.49
1.80	3.13	109.66	12.90
1.82	3.20	113.21	12.90
1.84	3.26	114.77	13.49
1.86	3.37	113.43	13.49
1.88	3.43	121.43	12.90
1.90	3.46	136.32	12.90
1.92	3.50	138.10	12.90
1.94	3.38	134.10	12.90
1.96	3.23	123.88	11.74
1.98	3.22	122.77	11.74
2.00	3.31	125.66	11.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.02	3.38	121.88	11.74
2.04	3.50	114.10	11.74
2.06	3.49	112.54	11.74
2.08	3.64	110.77	11.74
2.10	3.70	117.88	11.16
2.12	3.71	123.21	11.16
2.14	3.72	127.21	10.58
2.16	3.72	133.88	10.58
2.18	3.70	134.32	10.00
2.20	3.53	135.88	9.42
2.22	3.42	132.80	1.86
2.24	3.45	135.25	2.44
2.26	3.60	135.47	3.02
2.28	3.72	131.47	3.02
2.30	3.84	125.25	3.60
2.32	4.10	120.36	4.19
2.34	4.38	121.03	5.35
2.36	4.83	127.25	5.93
2.38	5.04	135.25	6.51
2.40	4.98	126.58	6.51
2.42	4.47	120.80	5.93
2.44	4.26	128.36	4.77
2.46	4.52	135.25	5.35
2.48	5.28	125.91	8.25
2.50	7.06	120.58	14.07
2.52	10.10	128.58	22.79
2.54	13.40	137.47	35.00
2.56	13.56	122.80	36.16
2.58	13.49	116.58	36.16
2.60	12.58	116.80	33.84
2.62	11.47	118.13	31.51
2.64	11.32	115.69	31.51
2.66	11.23	110.80	32.09
2.68	10.69	98.35	31.51
2.70	10.00	91.46	29.77
2.72	8.60	98.13	26.86
2.74	6.98	101.91	22.79
2.76	6.27	101.46	21.63
2.78	5.78	104.35	21.05
2.80	4.89	109.68	19.30
2.82	3.79	121.68	16.98
2.84	3.47	117.46	16.98
2.86	3.33	99.68	16.98
2.88	3.55	92.56	18.72
2.90	3.77	92.79	19.88
2.92	4.03	85.23	21.05
2.94	4.08	88.56	21.05
2.96	4.05	96.12	21.63
2.98	4.01	98.78	21.63
3.00	4.11	107.45	22.79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.02	4.33	115.89	24.53
3.04	4.83	111.89	28.60
3.06	5.58	111.67	34.42
3.08	8.65	121.67	48.95
3.10	14.16	122.78	71.63
3.12	17.43	108.78	85.59
3.14	18.49	98.56	90.82
3.16	18.83	96.56	93.14
3.18	19.11	100.78	95.47
3.20	18.50	91.48	104.19
3.22	19.51	108.59	110.59
3.24	19.66	121.03	112.33
3.26	19.71	127.70	113.49
3.28	19.73	139.92	115.82
3.30	19.77	148.59	117.56
3.32	19.76	156.36	120.47
3.34	19.84	165.03	123.96
3.36	19.90	170.13	128.03
3.38	19.95	174.36	132.10
3.40	20.18	174.35	137.91
3.42	20.29	174.35	143.15
3.44	20.66	171.23	151.29
3.46	21.76	171.00	165.24
3.48	22.92	171.22	182.10
3.50	23.71	176.10	200.12
3.52	24.39	182.32	216.99
3.54	24.42	190.31	227.45
3.56	24.61	200.08	240.24
3.58	25.21	207.86	260.60
3.60	24.90	224.07	277.46
3.62	25.32	235.84	303.04
3.64	25.46	244.28	325.13
3.66	25.20	243.16	338.50
3.68	24.65	242.27	348.39
3.70	23.65	242.26	349.55
3.72	22.37	235.59	343.74
3.74	20.38	228.47	326.30
3.76	17.46	221.58	292.57
3.78	13.81	218.46	252.45
3.80	10.27	220.23	215.82
3.82	7.99	223.78	198.96
3.84	6.51	234.89	190.82
3.86	5.22	255.55	179.20
3.88	5.09	236.88	186.17
3.90	4.63	217.98	182.10
3.92	4.25	190.42	179.20
3.94	4.10	163.31	179.20
3.96	4.08	145.30	181.52
3.98	4.03	136.85	182.10
4.00	4.03	116.63	183.26

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.02	4.18	107.29	185.01
4.04	4.31	97.52	186.17
4.06	4.56	93.30	188.50
4.08	5.90	84.63	205.94
4.10	8.75	75.30	251.29
4.12	11.93	70.41	311.18
4.14	14.93	77.30	372.81
4.16	16.77	84.86	402.46
4.18	18.31	83.76	435.02
4.20	19.31	77.16	360.02
4.22	20.45	91.17	383.86
4.24	21.10	111.61	396.07
4.26	21.41	123.83	403.62
4.28	20.81	136.50	386.76
4.30	21.68	143.17	408.86
4.32	22.06	153.83	427.46
4.34	21.89	169.83	429.79
4.36	21.70	183.38	433.86
4.38	21.23	197.83	431.53
4.40	20.71	209.16	430.95
4.42	19.98	215.60	423.40
4.44	19.00	222.70	410.02
4.46	17.55	230.92	385.60
4.48	15.38	232.47	345.48
4.50	12.62	230.25	298.97
4.52	9.81	236.91	256.52
4.54	7.49	257.13	225.13
4.56	6.27	278.90	212.33
4.58	5.43	295.78	202.45
4.60	6.60	309.78	229.20
4.62	11.37	280.67	315.83
4.64	16.41	255.77	451.30
4.66	18.94	212.88	531.54
4.68	20.64	172.87	594.33
4.70	21.72	149.76	643.18
4.72	22.31	146.65	681.55
4.74	22.60	152.20	699.57
4.76	22.62	152.42	711.78
4.78	22.17	138.86	703.64
4.80	21.51	147.97	687.36
4.82	20.85	161.97	673.41
4.84	20.06	163.53	655.97
4.86	18.84	157.53	618.17
4.88	17.22	150.86	571.66
4.90	16.09	149.08	550.15
4.92	15.43	137.30	537.93
4.94	15.25	118.41	546.08
4.96	15.57	105.96	576.31
4.98	16.35	96.18	626.90
5.00	17.23	89.74	685.04

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.02	17.82	80.18	728.06
5.04	17.94	74.63	212.33
5.06	18.20	72.40	160.59
5.08	18.71	72.85	146.63
5.10	19.11	76.18	146.05
5.12	19.41	81.07	149.54
5.14	19.76	86.18	155.94
5.16	20.35	87.52	163.50
5.18	21.07	83.52	172.80
5.20	21.59	66.22	168.73
5.22	21.73	68.22	166.99
5.24	21.80	71.78	166.99
5.26	21.86	77.56	166.40
5.28	22.01	86.01	166.40
5.30	22.06	95.56	166.99
5.32	21.96	107.11	166.99
5.34	22.03	124.67	169.89
5.36	21.75	140.00	169.89
5.38	21.39	151.33	168.73
5.40	20.74	157.33	165.24
5.42	19.88	164.88	159.42
5.44	18.74	167.10	152.45
5.46	16.92	164.65	140.82
5.48	15.42	153.54	132.68
5.50	14.42	136.20	128.61
5.52	13.75	116.64	126.29
5.54	13.19	94.42	125.12
5.56	12.71	80.19	123.38
5.58	12.20	71.74	121.05
5.60	11.82	63.74	119.89
5.62	11.52	58.41	118.72
5.64	11.40	58.85	118.72
5.66	11.35	64.18	119.30
5.68	11.67	86.63	123.38
5.70	13.21	83.29	135.59
5.72	15.67	73.07	154.19
5.74	18.49	70.41	178.61
5.76	21.81	67.52	210.59
5.78	24.15	68.19	232.69
5.80	25.82	63.31	237.34
5.82	27.45	69.98	253.62
5.84	28.97	77.99	271.64
5.86	29.57	87.11	274.55
5.88	29.90	95.55	277.46
5.90	29.48	107.55	270.48
5.92	28.53	122.22	258.85
5.94	26.62	136.67	239.08
5.96	23.98	148.89	214.66
5.98	21.46	159.99	191.40
6.00	19.58	158.88	175.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.02	18.40	156.66	167.57
6.04	17.76	152.87	164.08
6.06	17.48	144.65	162.91
6.08	17.50	131.31	164.66
6.10	18.19	111.53	173.38
6.12	18.32	99.97	175.70
6.14	18.49	93.75	178.61
6.16	18.48	87.08	179.20
6.18	18.06	82.41	175.70
6.20	17.24	77.74	168.73
6.22	18.29	63.42	8.83
6.24	18.27	59.42	8.25
6.26	16.80	65.87	5.93
6.28	15.72	73.64	3.60
6.30	14.95	80.31	3.02
6.32	14.59	84.31	3.02
6.34	14.18	87.64	3.02
6.36	14.01	85.86	3.60
6.38	14.00	77.19	4.19
6.40	14.26	70.52	5.93
6.42	14.58	66.96	8.25
6.44	15.13	64.07	10.58
6.46	15.53	63.40	11.74
6.48	16.04	64.07	14.65
6.50	16.64	69.18	16.40
6.52	17.62	106.07	21.05
6.54	20.03	84.29	28.60
6.56	21.46	80.28	34.42
6.58	19.78	110.95	31.51
6.60	18.76	107.39	29.77
6.62	19.42	106.95	33.26
6.64	20.65	94.94	38.49
6.66	20.26	90.27	47.21
6.68	21.23	84.93	54.19
6.70	21.18	79.15	57.10
6.72	20.01	69.82	54.77
6.74	19.10	76.26	54.77
6.76	19.01	84.03	57.68
6.78	19.55	86.69	62.91
6.80	21.11	87.36	72.21
6.82	22.38	82.91	80.35
6.84	22.65	75.57	84.42
6.86	22.91	72.24	89.07
6.88	23.30	66.90	94.89
6.90	24.11	70.45	103.61
6.92	25.31	82.23	115.24
6.94	26.44	94.00	126.87
6.96	26.93	105.11	136.75
6.98	27.14	118.22	145.47
7.00	27.51	129.10	155.36

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.02	27.45	124.67	198.96
7.04	28.46	136.67	207.10
7.06	29.58	144.22	218.73
7.08	30.44	146.00	230.94
7.10	31.34	143.77	248.39
7.12	31.25	131.55	255.36
7.14	30.61	130.65	258.27
7.16	29.83	133.98	261.18
7.18	29.26	138.20	266.99
7.20	29.20	143.08	279.78
7.22	28.84	152.64	291.41
7.24	28.46	161.52	297.80
7.26	27.77	161.29	301.88
7.28	26.52	156.18	296.06
7.30	24.79	146.17	285.60
7.32	23.90	140.61	282.10
7.34	23.83	137.28	294.32
7.36	24.62	130.16	322.80
7.38	25.58	120.60	358.86
7.40	25.61	103.04	371.65
7.42	24.24	83.26	357.11
7.44	22.83	72.81	343.74
7.46	22.19	75.92	342.00
7.48	22.18	82.36	351.88
7.50	21.46	88.81	346.06
7.52	20.58	100.81	337.92
7.54	19.99	108.36	333.27
7.56	19.78	104.80	335.60
7.58	19.83	99.91	343.74
7.60	20.44	95.02	363.50
7.62	21.48	91.02	395.49
7.64	21.95	87.02	410.60
7.66	22.23	85.91	425.14
7.68	23.49	90.80	464.10
7.70	25.25	100.35	534.45
7.72	25.44	100.36	526.30
7.74	25.42	111.92	511.77
7.76	25.96	122.14	515.84
7.78	26.86	124.14	529.80
7.80	28.58	122.59	566.42
7.82	29.82	122.82	572.82
7.84	30.26	129.48	562.36
7.86	31.02	129.04	553.05
7.88	31.94	131.94	550.15
7.90	33.33	143.94	573.99
7.92	34.56	159.50	586.78
7.94	35.71	168.84	602.48
7.96	34.90	179.51	533.87
7.98	35.60	95.48	675.15
8.00	35.01	135.04	656.55

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.02	34.94	153.93	659.45
8.04	35.57	158.81	690.85
8.06	35.40	143.69	714.11
8.08	34.20	122.79	698.99
8.10	32.34	104.78	655.97
8.12	29.69	100.78	568.17
8.14	27.54	115.44	521.66
8.16	26.61	125.44	509.45
8.18	26.20	131.21	530.96
8.20	26.39	128.32	565.84
8.22	26.39	113.43	607.70
8.24	26.59	103.43	648.40
8.26	27.45	91.42	726.32
8.28	28.56	78.98	829.81
8.30	29.54	77.64	936.21
8.32	30.32	77.64	1033.31
8.34	30.72	79.64	1114.13
8.36	30.96	83.64	1179.25
8.38	30.60	89.42	1179.83
8.40	29.53	96.97	1147.85
8.42	28.24	103.19	1089.71
8.44	27.08	107.19	1033.31
8.46	25.87	108.08	979.24
8.48	24.44	106.97	905.98
8.50	23.12	107.86	843.77
8.52	21.84	112.30	777.49
8.54	21.40	110.30	770.50
8.56	22.12	106.96	847.84
8.58	23.95	99.85	1015.29
8.60	25.34	90.95	1137.39
8.62	26.55	88.95	1260.65
8.64	26.74	85.84	1287.98
8.66	25.98	86.51	1228.67
8.68	24.37	86.06	1100.76
8.70	22.41	84.51	946.10
8.72	20.56	78.51	812.95
8.74	18.44	73.84	676.31
8.76	15.23	72.07	496.65
8.78	11.90	83.40	361.18
8.80	9.37	92.07	275.71
8.82	7.93	105.62	246.64
8.84	7.61	135.18	243.73
8.86	8.33	156.29	262.34
8.88	7.49	162.95	228.61
8.90	6.62	158.29	208.27
8.92	7.14	179.40	217.57
8.94	10.47	249.62	260.01
8.96	21.92	113.51	58.84
8.98	22.46	117.29	61.16
9.00	21.72	104.40	56.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.02	20.64	89.51	52.44
9.04	20.06	73.95	49.53
9.06	19.67	59.06	48.37
9.08	19.67	55.73	49.53
9.10	19.93	62.84	51.28
9.12	20.63	65.73	55.35
9.14	21.83	68.61	61.75
9.16	23.58	72.61	72.21
9.18	25.64	74.17	85.00
9.20	28.15	77.06	103.61
9.22	30.13	80.39	121.05
9.24	32.23	82.83	144.89
9.26	32.97	84.83	158.84
9.28	32.88	93.71	167.57
9.30	31.22	108.60	162.91
9.32	29.17	123.71	157.10
9.34	27.29	143.71	158.26
9.36	25.26	161.26	151.87
9.38	23.98	181.04	150.70
9.40	22.87	219.93	150.12
9.42	22.32	201.04	153.03
9.44	21.05	199.03	148.96
9.46	21.19	173.48	161.75
9.48	22.98	161.25	190.82
9.50	23.26	155.03	202.45
9.52	21.52	143.02	182.68
9.54	17.42	147.01	141.40
9.56	14.08	108.56	115.82
9.58	10.71	97.23	90.23
9.60	8.19	156.56	76.86
9.62	6.95	244.11	71.05
9.64	7.12	331.89	79.19
9.66	11.84	331.88	135.59
9.68	20.91	298.32	272.80
9.70	28.95	272.98	482.70
9.72	32.36	245.65	570.50
9.74	34.12	215.20	622.82
9.76	35.03	191.87	648.40
9.78	35.66	166.98	671.08
9.80	36.87	136.31	734.46
9.82	38.24	88.54	817.60
9.84	38.98	75.21	892.02
9.86	38.77	89.66	940.87
9.88	38.47	102.11	1003.08
9.90	37.81	111.00	1046.10
9.92	37.09	107.45	1086.22
9.94	36.19	107.45	1131.58
9.96	34.97	93.06	505.96
9.98	34.29	94.84	476.30
10.00	33.45	95.95	447.81

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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.02	32.50	100.39	422.81
10.04	31.56	99.72	404.79
10.06	30.47	97.28	389.09
10.08	29.52	94.82	380.37
10.10	28.50	93.04	368.74
10.12	27.16	90.15	355.37
10.14	25.54	87.25	332.11
10.16	23.58	82.81	304.78
10.18	21.15	80.13	266.41
10.20	18.65	83.69	230.94
10.22	16.65	89.68	208.27
10.24	15.23	95.01	196.64
10.26	14.30	101.67	189.08
10.28	14.32	104.11	191.99
10.30	14.49	105.67	194.89
10.32	13.76	101.22	184.43
10.34	11.49	108.33	154.19
10.36	11.91	98.55	158.84
10.38	12.97	98.77	169.89
10.40	14.19	100.33	182.68
10.42	16.53	99.88	228.03
10.44	17.87	100.99	236.76
10.46	18.52	89.88	241.40
10.48	18.38	82.33	233.27
10.50	17.60	83.22	217.57
10.52	16.60	89.89	197.22
10.54	15.74	105.00	182.10
10.56	15.10	119.67	169.89
10.58	14.85	127.90	164.08
10.60	14.98	129.23	165.24
10.62	15.05	127.90	165.24
10.64	15.44	123.90	169.31
10.66	16.08	117.90	176.87
10.68	17.26	112.12	193.15
10.70	18.88	107.01	217.57
10.72	21.18	105.67	260.01
10.74	23.80	100.78	314.67
10.76	23.80	101.23	287.34
10.78	24.54	104.58	287.92
10.80	24.19	111.92	268.15
10.82	23.32	125.48	240.24
10.84	22.20	140.59	211.75
10.86	20.86	157.71	185.01
10.88	19.03	179.27	153.61
10.90	17.45	192.16	129.77
10.92	15.66	190.16	108.26
10.94	12.90	117.10	20.46
10.96	12.18	118.43	15.81
10.98	11.85	119.10	13.49
11.00	11.60	116.66	12.32

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.02	11.31	110.65	10.58
11.04	11.13	101.98	9.42
11.06	11.12	104.87	8.83
11.08	11.10	109.76	8.83
11.10	11.25	111.98	8.83
11.12	11.58	109.98	10.00
11.14	11.87	106.87	10.58
11.16	12.31	104.87	12.32
11.18	12.78	105.54	13.49
11.20	13.21	107.31	15.23
11.22	13.49	108.65	16.40
11.24	13.58	109.98	16.98
11.26	13.71	112.20	17.56
11.28	14.23	115.98	19.30
11.30	15.18	116.87	23.37
11.32	15.54	120.65	25.11
11.34	15.79	125.76	26.86
11.36	16.00	127.98	28.02
11.38	16.36	128.20	30.35
11.40	16.46	129.31	31.51
11.42	16.35	133.75	32.68
11.44	16.26	139.08	33.26
11.46	16.32	140.42	35.00
11.48	16.46	141.08	36.74
11.50	16.63	142.86	39.07
11.52	16.77	141.52	41.40
11.54	17.06	137.74	44.30
11.56	17.49	134.18	47.79
11.58	17.94	130.40	51.86
11.60	18.23	128.18	55.35
11.62	18.39	125.50	58.26
11.64	18.34	122.61	60.00
11.66	17.98	121.28	60.58
11.68	17.62	123.28	61.16
11.70	17.30	129.05	61.75
11.72	17.09	135.05	62.91
11.74	16.99	139.71	65.23
11.76	16.94	142.16	66.98
11.78	16.77	142.82	68.14
11.80	16.62	142.37	69.89
11.82	16.53	139.26	72.21
11.84	16.55	135.70	75.12
11.86	16.63	133.93	78.60
11.88	16.61	131.48	80.93
11.90	16.08	112.87	59.42
11.92	15.97	111.09	58.26
11.94	15.51	111.54	55.35
11.96	15.03	113.31	52.44
11.98	14.49	115.76	49.53
12.00	14.28	117.09	48.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.02	14.29	118.20	48.37
12.04	14.53	120.86	50.12
12.06	15.08	121.31	53.02
12.08	15.96	117.97	58.26
12.10	16.64	112.86	62.33
12.12	17.28	109.30	66.40
12.14	17.64	108.19	68.72
12.16	17.84	107.52	71.05
12.18	17.83	106.18	71.63
12.20	17.91	109.52	73.96
12.22	17.99	114.18	75.70
12.24	18.14	117.29	78.60
12.26	18.32	120.40	80.93
12.28	18.25	122.18	82.10
12.30	18.05	124.17	82.68
12.32	17.82	127.73	83.26
12.34	17.66	130.84	85.00
12.36	17.88	130.39	88.49
12.38	18.28	129.50	94.30
12.40	18.82	131.50	100.70
12.42	19.53	133.28	108.26
12.44	21.01	130.83	123.96
12.46	22.64	127.71	142.56
12.48	24.16	126.60	161.75
12.50	23.65	137.71	161.75
12.52	25.27	139.93	189.66
12.54	25.25	144.60	197.80
12.56	24.50	151.26	196.06
12.58	24.06	159.93	201.29
12.60	23.54	167.26	203.61
12.62	22.92	172.81	204.78
12.64	22.37	173.70	206.52
12.66	21.81	170.80	208.27
12.68	21.24	164.58	208.27
12.70	20.58	154.80	205.94
12.72	19.73	146.35	202.45
12.74	18.80	140.57	196.06
12.76	17.55	135.23	186.17
12.78	15.98	127.01	170.47
12.80	14.15	118.78	152.45
12.82	12.26	112.33	134.42
12.84	10.52	114.33	118.14
12.86	9.08	111.67	107.10
12.88	8.16	112.11	103.03
12.90	7.66	115.44	101.86
12.92	7.93	115.44	104.19
12.94	7.70	112.89	8.83
12.96	7.33	130.00	7.67
12.98	9.46	147.11	14.07
13.00	12.47	135.11	23.95

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.02	12.24	119.56	23.37
13.04	11.38	97.11	19.30
13.06	10.54	82.22	17.56
13.08	10.74	74.22	19.30
13.10	11.48	70.00	21.05
13.12	11.73	73.11	21.63
13.14	12.32	76.00	24.53
13.16	13.44	82.89	28.60
13.18	15.22	78.66	35.58
13.20	15.93	74.88	38.49
13.22	15.64	69.99	37.32
13.24	14.16	64.88	30.93
13.26	12.78	54.66	26.28
13.28	11.82	43.33	23.95
13.30	11.29	38.66	22.79
13.32	11.19	41.11	23.37
13.34	11.48	47.77	25.70
13.36	11.91	56.66	28.02
13.38	12.39	63.33	30.35
13.40	12.70	65.77	32.09
13.42	12.80	68.21	33.26
13.44	12.73	68.88	33.84
13.46	12.30	72.21	32.68
13.48	11.70	76.43	30.35
13.50	11.16	82.21	29.19
13.52	10.89	86.65	29.19
13.54	10.73	89.10	29.19
13.56	10.69	90.21	29.77
13.58	10.71	88.65	30.35
13.60	10.88	84.20	32.09
13.62	11.24	79.76	33.84
13.64	11.70	75.54	36.16
13.66	12.20	72.65	39.07
13.68	12.39	69.98	40.23
13.70	12.03	68.20	39.07
13.72	11.06	70.42	35.00
13.74	9.75	73.98	30.35
13.76	8.16	78.64	25.11
13.78	6.85	88.42	19.88
13.80	5.80	102.87	14.65
13.82	5.27	120.20	12.90
13.84	6.56	147.97	18.14
13.86	8.41	153.31	24.53
13.88	8.86	84.06	-6.86
13.90	8.74	73.84	-7.44
13.92	8.83	64.51	-6.86
13.94	9.45	53.84	-5.12
13.96	10.43	52.06	-2.80
13.98	11.45	58.94	0.11
14.00	12.00	71.39	1.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.02	12.49	76.28	3.60
14.04	12.71	76.28	4.19
14.06	12.79	72.50	4.77
14.08	12.88	71.38	5.93
14.10	12.65	66.94	5.35
14.12	11.97	65.60	4.19
14.14	11.42	68.71	3.02
14.16	11.00	72.94	3.02
14.18	10.53	72.94	2.44
14.20	10.14	67.82	2.44
14.22	9.86	64.27	2.44
14.24	9.62	60.71	3.02
14.26	9.50	56.71	3.02
14.28	9.41	54.26	4.19
14.30	9.34	51.82	4.77
14.32	9.38	49.15	5.35
14.34	9.46	47.15	6.51
14.36	9.68	44.93	7.67
14.38	10.02	44.04	10.00
14.40	10.54	42.48	11.74
14.42	11.03	42.26	14.07
14.44	11.27	43.14	15.23
14.46	11.39	43.59	16.40
14.48	11.67	44.48	18.14
14.50	12.13	45.59	20.46
14.52	12.62	47.14	22.79
14.54	12.72	49.81	23.95
14.56	12.70	51.59	24.53
14.58	13.12	51.81	28.60
14.60	12.84	60.03	27.44
14.62	13.00	60.92	29.19
14.64	13.19	61.36	30.93
14.66	13.32	61.80	32.68
14.68	13.42	61.36	33.84
14.70	13.53	64.02	35.58
14.72	13.61	70.02	36.74
14.74	13.74	66.91	38.49
14.76	13.93	68.69	40.81
14.78	14.14	71.13	42.56
14.80	14.33	73.13	44.89
14.82	14.76	74.24	48.37
14.84	15.20	73.58	58.26
14.86	16.13	72.47	62.91
14.88	17.26	73.59	69.30
14.90	18.32	75.14	75.12
14.92	18.93	77.81	78.60
14.94	19.14	81.58	80.35
14.96	18.93	88.69	79.19
14.98	18.52	99.58	77.44
15.00	18.58	110.03	79.77

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.02	19.02	119.36	83.84
15.04	19.53	125.80	89.65
15.06	19.50	132.91	90.82
15.08	19.12	137.79	90.82
15.10	18.65	140.23	90.23
15.12	18.09	141.34	89.65
15.14	17.60	143.78	89.65
15.16	17.20	146.22	89.65
15.18	16.85	148.00	90.82
15.20	16.66	144.88	93.72
15.22	16.59	139.10	96.63
15.24	16.68	132.88	100.70
15.26	16.89	127.10	105.93
15.28	17.44	119.54	114.66
15.30	18.07	112.87	123.96
15.32	18.25	107.97	129.19
15.34	17.79	107.53	129.19
15.36	17.10	108.41	126.29
15.38	16.52	112.19	125.12
15.40	16.11	114.41	126.29
15.42	15.68	118.18	125.70
15.44	15.17	121.52	123.96
15.46	14.72	122.62	123.38
15.48	14.41	119.51	125.12
15.50	14.28	110.84	128.03
15.52	14.24	103.50	129.77
15.54	14.08	98.84	132.68
15.56	13.74	94.61	131.52
15.58	13.21	89.06	128.03
15.60	12.76	83.94	126.87
15.62	12.53	80.83	128.03
15.64	12.43	77.28	129.77
15.66	12.47	72.61	130.93
15.68	12.41	68.61	133.26
15.70	12.37	64.83	135.00
15.72	12.37	60.83	136.17
15.74	12.24	59.27	136.17
15.76	12.10	59.27	135.59
15.78	11.87	60.61	133.84
15.80	11.65	61.28	132.68
15.82	11.32	59.09	103.61
15.84	11.24	60.43	100.70
15.86	11.28	60.65	99.54
15.88	11.36	60.20	99.54
15.90	11.70	57.98	99.54
15.92	12.30	55.54	104.19
15.94	13.21	53.76	110.00
15.96	14.22	55.32	118.14
15.98	15.30	58.20	126.87
16.00	17.13	60.65	144.89

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
 Preforo 1.00 m. p.c. Falda ml

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.02	19.51	64.20	171.05
16.04	21.69	70.43	196.06
16.06	23.33	75.54	218.73
16.08	25.11	82.65	246.06
16.10	25.85	92.43	260.60
16.12	26.23	105.98	270.48
16.14	26.36	125.32	280.94
16.16	26.43	147.76	289.09
16.18	26.24	171.98	296.06
16.20	25.77	192.20	298.97
16.22	25.15	206.65	300.13
16.24	24.62	219.09	301.88
16.26	24.13	225.75	307.11
16.28	23.46	227.30	308.27
16.30	22.75	224.63	307.11
16.32	22.21	219.95	309.43
16.34	21.46	215.50	307.11
16.36	21.07	209.28	314.09
16.38	20.69	201.05	317.58
16.40	20.17	191.49	322.80
16.42	19.64	181.04	319.90
16.44	19.36	166.37	323.97
16.46	18.72	155.92	320.48
16.48	18.06	146.36	309.43
16.50	17.56	137.25	304.78
16.52	17.02	131.91	295.48
16.54	16.45	124.57	289.09
16.56	16.04	115.24	286.76
16.58	15.58	108.57	285.01
16.60	15.29	101.01	280.36
16.62	14.96	95.68	280.36
16.64	14.80	91.01	280.94
16.66	14.69	85.90	282.69
16.68	14.76	81.68	287.92
16.70	14.94	78.79	296.64
16.72	15.30	75.23	309.43
16.74	15.85	73.01	326.88
16.76	16.64	71.01	353.62
16.78	17.67	68.79	390.83
16.80	18.58	68.12	424.56
16.82	18.50	66.61	290.25
16.84	17.68	71.73	264.08
16.86	16.14	81.73	228.03
16.88	14.72	91.06	200.12
16.90	13.54	97.06	182.68
16.92	12.71	101.95	170.47
16.94	11.96	106.84	160.00
16.96	11.51	109.28	154.19
16.98	11.32	103.06	148.96
17.00	11.12	96.17	147.21

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.02	10.78	91.28	140.82
17.04	9.95	88.84	130.93
17.06	8.44	88.39	114.08
17.08	6.77	94.83	98.38
17.10	5.53	107.06	89.07
17.12	5.09	126.61	87.91
17.14	4.73	157.50	83.84
17.16	4.43	177.28	80.35
17.18	4.05	187.28	78.60
17.20	3.66	185.95	75.70
17.22	3.27	176.83	71.05
17.24	2.98	183.06	68.14
17.26	2.67	188.83	64.65
17.28	2.39	174.61	63.49
17.30	2.32	148.39	64.07
17.32	2.19	125.72	64.65
17.34	2.14	113.28	65.81
17.36	2.08	99.28	66.40
17.38	1.98	95.05	67.56
17.40	1.97	90.17	69.89
17.42	1.89	84.83	71.05
17.44	1.83	82.61	71.05
17.46	1.67	79.72	72.21
17.48	1.56	73.72	70.47
17.50	1.42	66.39	71.63
17.52	1.39	55.50	76.86
17.54	1.39	45.73	82.10
17.56	1.41	36.84	86.17
17.58	1.39	28.84	90.23
17.60	1.41	23.96	95.47
17.62	1.39	21.07	99.54
17.64	1.39	19.52	103.61
17.66	1.40	19.52	108.26
17.68	1.39	19.74	115.24
17.70	1.39	19.97	120.47
17.72	1.39	19.97	126.87
17.74	1.39	19.76	132.68
17.76	1.39	19.54	135.59
17.78	1.41	19.54	137.91
17.80	1.43	19.54	140.82
17.82	1.56	17.38	414.09
17.84	1.55	20.27	422.81
17.86	1.59	21.38	422.23
17.88	1.67	23.39	425.14
17.90	1.79	26.94	426.88
17.92	1.90	30.94	422.23
17.94	2.15	37.17	426.30
17.96	2.48	43.39	428.63
17.98	2.89	50.73	426.88
18.00	3.37	57.17	424.56

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.02	3.94	60.73	427.46
18.04	4.54	60.95	431.53
18.06	5.02	57.84	426.88
18.08	5.21	46.95	411.19
18.10	5.35	38.06	398.98
18.12	5.56	39.40	396.07
18.14	5.85	45.40	398.39
18.16	6.22	54.07	404.79
18.18	6.75	65.62	419.90
18.20	7.26	75.18	434.44
18.22	7.85	82.29	453.05
18.24	8.41	84.95	473.40
18.26	8.94	87.62	496.07
18.28	9.81	93.40	531.54
18.30	10.89	96.95	583.29
18.32	12.00	104.28	648.40
18.34	12.74	114.28	676.90
18.36	12.84	125.39	665.27
18.38	12.35	124.28	627.48
18.40	11.21	118.50	561.19
18.42	10.07	126.50	497.23
18.44	8.94	133.39	442.00
18.46	8.12	137.83	420.49
18.48	7.59	143.16	412.35
18.50	7.59	154.05	425.72
18.52	8.48	163.38	483.86
18.54	11.13	165.60	645.50
18.56	13.14	160.93	776.32
18.58	13.96	161.15	836.79
18.60	14.33	150.26	878.07
18.62	14.34	144.26	889.70
18.64	14.13	150.25	881.56
18.66	13.65	161.58	854.23
18.68	13.00	173.36	819.35
18.70	12.46	179.80	793.18
18.72	12.09	184.69	787.95
18.74	11.81	187.13	783.30
18.76	11.59	183.57	774.00
18.78	11.32	175.57	767.60
18.80	10.86	161.12	763.53
18.82	10.77	151.57	753.06
18.84	10.60	148.90	735.62
18.86	10.63	145.34	730.97
18.88	10.84	145.34	741.43
18.90	11.07	153.56	759.46
18.92	11.30	160.90	778.07
18.94	11.65	167.12	811.20
18.96	12.13	170.89	852.49
18.98	12.85	168.89	911.21
19.00	13.81	166.22	1004.24



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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.02	14.84	163.77	1119.36
19.04	15.55	168.21	1194.95
19.06	16.05	171.32	1244.95
19.08	16.21	169.32	1270.53
19.10	16.05	169.32	1274.60
19.12	15.82	181.09	1267.05
19.14	15.49	200.65	1261.81
19.16	15.02	216.65	1243.79
19.18	14.39	226.20	1201.93
19.20	13.87	235.09	1164.13
19.22	13.32	239.30	1120.53
19.24	12.55	230.63	1065.29
19.26	11.63	222.19	983.31
19.28	10.72	213.74	908.89
19.30	9.65	208.62	825.74
19.32	8.05	205.28	693.76
19.34	6.61	207.73	605.38
19.36	5.91	224.83	590.26
19.38	6.40	237.28	643.76
19.40	7.44	231.49	717.01
19.42	8.17	211.49	782.13
19.44	7.90	190.60	761.20
19.46	7.65	151.49	741.43
19.48	7.35	130.15	716.43
19.50	6.77	113.49	662.94
19.52	5.57	103.71	577.47
19.54	4.48	102.37	516.42
19.56	3.90	109.48	491.42
19.58	3.81	124.15	495.49
19.60	4.21	139.04	513.51
19.62	5.26	147.71	601.89
19.64	6.04	141.71	643.18
19.66	5.87	130.16	615.27
19.68	5.74	112.82	605.96
19.70	6.34	113.93	635.03
19.72	6.84	123.94	637.36
19.74	7.28	135.49	665.27
19.76	7.93	135.49	708.30
19.78	8.19	133.94	703.64
19.80	8.17	128.00	381.53
19.82	8.00	141.78	361.76
19.84	7.35	163.11	328.62
19.86	6.21	179.11	280.36
19.88	4.76	181.78	229.20
19.90	3.72	173.78	199.54
19.92	3.21	168.89	189.08
19.94	2.35	148.45	163.50
19.96	2.24	117.33	188.50
19.98	3.18	108.22	268.15
20.00	3.80	93.78	290.25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.02	3.37	77.78	263.50
20.04	2.78	64.44	236.76
20.06	2.31	64.00	218.15
20.08	1.96	62.89	205.94
20.10	1.70	68.22	197.80
20.12	1.55	69.11	208.27
20.14	1.60	63.33	230.94
20.16	1.79	59.33	247.22
20.18	2.17	54.22	263.50
20.20	2.96	47.78	287.34
20.22	4.48	44.01	333.85
20.24	6.13	42.23	376.30
20.26	7.12	40.68	388.51
20.28	7.66	39.12	385.60
20.30	7.95	45.34	378.62
20.32	8.07	55.13	368.16
20.34	8.18	65.35	361.18
20.36	8.29	74.91	354.20
20.38	8.37	82.69	348.39
20.40	8.49	88.91	346.65
20.42	8.60	94.02	344.90
20.44	8.69	99.80	344.32
20.46	8.77	104.47	342.58
20.48	8.84	109.36	341.41
20.50	8.93	114.03	342.00
20.52	9.02	119.14	343.16
20.54	9.18	124.25	347.81
20.56	9.35	128.25	353.04
20.58	9.44	132.91	355.37
20.60	9.49	137.36	358.86
20.62	9.52	140.02	361.18
20.64	9.70	142.47	369.32
20.66	9.92	144.69	380.37
20.68	10.18	146.69	394.32
20.70	10.37	149.79	404.79
20.72	10.36	150.91	408.28
20.74	10.17	151.35	401.88
20.76	9.80	152.01	389.67
20.78	9.24	152.45	370.49
20.80	8.56	146.03	310.60
20.82	7.78	150.25	282.69
20.84	6.92	153.58	255.36
20.86	6.38	157.36	241.99
20.88	5.86	162.47	228.61
20.90	5.21	167.58	210.59
20.92	4.42	168.24	190.82
20.94	3.66	160.02	174.54
20.96	3.14	143.57	163.50
20.98	2.68	135.57	155.36
21.00	2.31	124.02	150.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.02	2.04	109.13	152.45
21.04	1.88	92.46	165.24
21.06	1.72	79.35	183.26
21.08	1.58	66.23	200.70
21.10	1.42	54.01	231.52
21.12	1.39	42.46	296.64
21.14	1.40	33.12	343.16
21.16	1.40	28.24	371.07
21.18	1.40	26.46	413.51
21.20	1.41	25.13	462.35
21.22	1.54	22.02	515.84
21.24	1.82	22.24	573.99
21.26	2.29	22.02	644.92
21.28	2.95	28.02	704.22
21.30	4.64	37.58	840.86
21.32	5.90	54.25	882.14
21.34	6.22	78.47	814.70
21.36	6.01	112.25	719.92
21.38	5.78	157.59	648.99
21.40	5.54	198.92	587.36
21.42	5.12	238.04	524.56
21.44	4.58	261.37	482.70
21.46	3.99	254.48	436.19
21.48	3.71	235.81	408.86
21.50	3.75	214.25	414.67
21.52	4.04	190.47	436.19
21.54	4.24	178.69	455.37
21.56	4.49	170.47	460.60
21.58	4.33	168.91	450.14
21.60	4.17	172.02	436.77
21.62	3.80	179.80	413.51
21.64	3.46	177.57	396.07
21.66	3.01	167.57	392.00
21.68	2.74	153.57	393.16
21.70	2.55	142.90	382.70
21.72	2.42	132.01	389.09
21.74	2.30	113.12	410.02
21.76	2.11	97.12	408.28
21.78	1.82	65.60	724.58
21.80	1.90	63.15	736.79
21.82	1.96	58.93	764.69
21.84	2.15	53.82	812.37
21.86	2.49	52.71	844.93
21.88	3.16	56.49	914.70
21.90	4.72	62.04	1078.66
21.92	7.06	73.82	1271.12
21.94	9.12	83.38	1456.01
21.96	10.54	83.83	1575.79
21.98	11.04	73.83	1532.18
22.00	11.31	69.38	1485.08

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 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.02	11.39	60.72	1417.64
22.04	11.71	65.83	1385.08
22.06	12.26	66.72	1382.17
22.08	12.79	71.83	1121.69
22.10	13.11	78.50	1143.20
22.12	12.93	81.83	1122.27
22.14	12.45	87.16	1069.36
22.16	12.15	98.72	1043.20
22.18	11.83	109.38	1020.52
22.20	11.45	118.49	997.26
22.22	11.14	130.49	990.29
22.24	10.92	144.27	990.87
22.26	10.60	152.93	978.08
22.28	10.23	152.71	956.56
22.30	9.89	148.70	940.29
22.32	9.69	147.59	936.21
22.34	9.46	146.26	928.66
22.36	9.02	148.92	896.68
22.38	7.99	151.58	793.18
22.40	6.30	154.69	639.69
22.42	4.90	163.14	543.17
22.44	4.10	172.02	515.84
22.46	3.76	181.13	514.68
22.48	3.35	183.58	489.10
22.50	2.92	176.24	476.89
22.52	3.16	159.13	508.86
22.54	5.77	148.68	759.46
22.56	8.99	112.02	1103.67
22.58	9.86	99.35	1159.48
22.60	10.05	87.12	1160.65
22.62	9.91	82.45	1122.85
22.64	9.80	88.23	1101.34
22.66	9.64	100.01	1075.76
22.68	9.57	112.45	1050.18
22.70	9.57	119.56	1039.13
22.72	9.46	125.78	1021.69
22.74	9.33	130.23	998.43
22.76	9.20	130.23	971.68
22.78	9.44	130.47	673.41
22.80	10.05	131.81	718.18
22.82	10.70	130.70	771.67
22.84	10.88	128.47	775.16
22.86	10.70	127.14	754.23
22.88	10.23	129.36	710.62
22.90	9.44	131.58	639.10
22.92	8.14	132.91	544.33
22.94	6.67	136.69	447.81
22.96	5.08	147.58	367.00
22.98	3.97	157.58	323.39
23.00	3.15	169.35	297.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.02	2.72	174.46	291.41
23.04	2.19	175.57	276.29
23.06	1.89	172.91	275.13
23.08	2.17	166.91	319.90
23.10	4.81	135.79	506.54
23.12	6.49	89.57	630.38
23.14	5.68	69.12	515.26
23.16	4.58	66.90	430.95
23.18	3.85	75.12	393.74
23.20	3.49	95.12	379.20
23.22	3.60	119.57	375.13
23.24	4.41	132.68	408.86
23.26	4.65	123.13	410.02
23.28	3.76	107.57	350.13
23.30	2.97	93.13	312.34
23.32	2.54	104.24	290.25
23.34	2.08	118.46	262.34
23.36	1.80	121.35	271.06
23.38	1.80	110.46	296.64
23.40	2.06	103.13	329.20
23.42	3.31	90.91	403.62
23.44	5.51	77.35	519.91
23.46	6.87	68.24	565.84
23.48	7.08	52.91	544.91
23.50	6.94	37.35	512.93
23.52	7.12	42.91	514.10
23.54	7.54	57.58	533.29
23.56	8.13	68.92	558.87
23.58	8.59	73.80	573.99
23.60	9.14	84.92	600.15
23.62	9.63	94.92	620.50
23.64	9.95	96.47	629.22
23.66	10.11	92.47	636.78
23.68	10.43	98.92	656.55
23.70	11.08	113.14	686.78
23.72	11.45	125.36	703.06
23.74	11.78	133.36	726.32
23.76	11.53	104.50	596.66
23.78	12.10	105.83	628.06
23.80	12.40	110.72	643.76
23.82	12.85	109.17	678.06
23.84	13.45	118.28	728.06
23.86	14.47	128.94	826.90
23.88	15.51	130.72	930.40
23.90	16.19	138.72	1008.89
23.92	16.60	143.83	1058.31
23.94	16.77	144.93	1087.39
23.96	16.75	147.82	1099.60
23.98	16.59	148.70	1104.83
24.00	16.32	154.26	1101.92

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.02	15.86	159.59	1079.83
24.04	15.23	156.70	1053.08
24.06	14.69	150.03	1035.64
24.08	14.21	142.92	1028.66
24.10	13.49	135.80	993.20
24.12	12.77	132.46	950.75
24.14	12.04	128.02	899.59
24.16	11.41	122.68	860.63
24.18	10.83	118.01	826.90
24.20	10.40	112.01	801.90
24.22	10.07	104.23	785.04
24.24	9.92	95.12	784.46
24.26	9.86	85.34	795.51
24.28	9.95	78.00	815.28
24.30	10.15	72.89	845.51
24.32	10.54	68.89	896.10
24.34	11.16	65.55	969.36
24.36	11.96	63.33	1062.39
24.38	12.62	62.88	1065.29
24.40	13.09	64.22	1130.99
24.42	13.53	66.44	1198.44
24.44	13.96	71.11	1268.21
24.46	14.44	77.33	1328.10
24.48	14.75	82.88	1279.84
24.50	14.79	88.66	392.58
24.52	14.55	97.33	357.11
24.54	14.14	105.55	336.18
24.56	13.75	110.44	325.71
24.58	13.36	110.44	312.34
24.60	12.92	109.55	299.55
24.62	12.44	110.44	294.32
24.64	11.72	111.10	278.04
24.66	11.04	110.88	267.57
24.68	10.54	109.99	264.66
24.70	10.15	114.43	261.76
24.72	9.93	123.77	266.99
24.74	9.87	135.77	275.13
24.76	9.94	143.79	279.20
24.78	10.35	141.79	288.50
24.80	10.66	140.01	291.99
24.82	10.91	137.34	293.15
24.84	11.30	134.01	301.30
24.86	11.85	128.23	315.83
24.88	12.50	122.23	334.43
24.90	12.88	119.12	345.48
24.92	12.78	118.00	337.34
24.94	12.35	117.34	318.74
24.96	11.84	115.56	302.46
24.98	11.48	110.00	293.15
25.00	11.35	104.22	290.83

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 Data **09\05\11**  
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Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.02	11.37	99.56	293.73
25.04	11.66	94.45	306.53
25.06	12.24	86.22	329.20
25.08	13.05	78.89	346.65
25.10	13.84	72.89	213.50
25.12	14.42	69.78	218.15
25.14	14.72	68.22	221.06
25.16	14.54	68.67	218.73
25.18	13.96	72.67	207.69
25.20	13.17	79.11	195.48
25.22	12.54	82.22	187.33
25.24	12.09	82.89	184.43
25.26	11.90	82.67	185.59
25.28	11.96	81.33	190.82
25.30	12.10	78.67	199.54
25.32	12.43	75.11	210.59
25.34	12.90	71.78	224.55
25.36	13.53	70.00	244.90
25.38	14.48	69.33	262.92
25.40	15.61	69.33	267.57
25.42	16.82	71.55	306.53
25.44	18.04	74.88	350.71
25.46	19.12	79.99	397.81
25.48	20.05	85.10	443.74
25.50	20.39	92.21	425.72
25.52	20.25	98.44	375.72
25.54	19.34	105.55	335.02
25.56	18.15	112.88	297.22
25.58	16.93	119.55	272.80
25.60	16.13	123.10	264.08
25.62	15.81	125.54	268.15
25.64	15.75	125.32	279.78
25.66	15.87	122.65	294.90
25.68	16.12	116.87	313.50
25.70	16.51	110.87	332.11
25.72	16.75	105.53	336.76
25.74	16.80	102.42	330.95
25.76	14.73	119.78	254.20
25.78	16.21	100.00	278.04
25.80	15.64	104.22	257.69
25.82	15.11	108.22	241.99
25.84	14.85	110.89	235.59
25.86	14.78	112.00	234.43
25.88	14.64	109.11	229.78
25.90	14.16	108.00	216.40
25.92	13.61	105.55	204.20
25.94	13.12	101.10	196.64
25.96	12.79	97.32	191.99
25.98	12.58	95.54	189.66
26.00	12.54	93.99	191.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.02	12.54	92.21	192.57
26.04	12.62	88.65	197.22
26.06	12.82	83.98	203.61
26.08	13.18	80.87	213.50
26.10	13.63	79.09	225.71
26.12	14.27	79.09	243.15
26.14	15.02	80.20	265.25
26.16	15.87	81.54	291.41
26.18	16.71	83.98	312.92
26.20	17.49	86.42	333.27
26.22	18.14	91.09	348.39
26.24	18.60	95.53	355.95
26.26	18.87	102.42	351.88
26.28	19.02	109.98	342.58
26.30	19.10	119.09	341.41
26.32	19.10	127.98	342.58
26.34	19.27	135.31	344.90
26.36	19.54	140.20	351.88
26.38	19.90	143.75	364.67
26.40	20.21	143.75	367.00
26.42	20.25	143.53	354.20
26.44	20.22	141.74	357.69
26.46	20.07	142.41	353.04
26.48	19.82	143.96	350.71
26.50	19.62	146.41	352.46
26.52	19.32	150.85	357.69
26.54	18.71	157.73	352.46
26.56	17.97	165.51	341.41
26.58	17.16	175.29	328.62
26.60	16.40	177.95	316.99
26.62	15.65	177.06	305.36
26.64	14.96	177.06	297.80
26.66	14.54	177.94	300.71
26.68	14.49	174.38	312.92
26.70	14.58	166.83	328.62
26.72	14.52	158.82	335.60
26.74	14.43	149.93	343.16
26.76	14.32	142.59	349.55
26.78	13.71	133.36	205.36
26.80	13.61	122.70	199.54
26.82	13.24	119.59	187.91
26.84	12.84	118.47	178.03
26.86	12.47	115.81	170.47
26.88	12.30	113.14	167.57
26.90	12.27	108.25	167.57
26.92	12.44	103.14	172.22
26.94	12.71	99.36	178.61
26.96	13.04	95.58	185.59
26.98	13.42	93.13	194.89
27.00	13.74	90.91	202.45

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.02	14.06	90.02	210.59
27.04	14.36	89.79	219.31
27.06	14.72	90.01	229.78
27.08	14.97	91.34	239.08
27.10	15.15	93.34	245.48
27.12	15.16	96.23	248.97
27.14	15.11	99.34	251.29
27.16	15.19	101.78	253.62
27.18	15.07	106.01	240.82
27.20	15.10	107.12	218.73
27.22	14.90	108.00	223.38
27.24	14.57	108.45	223.38
27.26	14.13	108.45	221.06
27.28	13.78	106.89	222.22
27.30	13.68	105.11	228.03
27.32	13.78	103.33	238.50
27.34	14.09	100.89	254.20
27.36	14.50	99.99	225.13
27.38	15.08	95.55	226.87
27.40	14.92	94.66	208.27
27.42	14.08	93.33	190.82
27.44	13.22	93.77	180.36
27.46	12.21	97.10	169.89
27.48	11.58	99.99	165.82
27.50	11.28	102.44	165.24
27.52	11.29	103.10	169.89
27.54	11.50	98.21	175.70
27.56	11.78	97.33	180.94
27.58	11.88	93.77	181.52
27.60	11.76	93.32	176.29
27.62	11.56	95.55	171.63
27.64	11.29	100.66	166.99
27.66	11.12	104.44	164.08
27.68	11.02	107.99	162.33
27.70	10.92	112.88	160.59
27.72	10.70	115.33	155.94
27.74	10.51	115.33	153.61
27.76	10.46	112.44	153.03
27.78	10.62	108.44	155.36
27.80	10.76	104.47	182.68
27.82	11.25	98.47	187.91
27.84	11.72	93.58	193.73
27.86	12.18	90.25	198.96
27.88	12.50	88.69	200.70
27.90	12.64	87.58	198.96
27.92	12.52	89.14	194.31
27.94	12.34	91.58	190.24
27.96	12.27	93.80	189.08
27.98	12.26	94.47	189.66
28.00	12.26	93.36	191.99

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09/05/11  
 Preforo 1.00 m. p.c. Falda ml

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.02	12.29	92.02	194.31
28.04	12.22	90.02	191.40
28.06	12.01	88.69	189.08
28.08	11.80	87.13	187.91
28.10	11.63	86.24	186.75
28.12	11.55	85.80	187.91
28.14	11.65	84.68	193.73
28.16	11.99	82.24	204.78
28.18	12.75	81.13	223.96
28.20	13.83	81.79	251.87
28.22	15.52	82.90	299.55
28.24	18.10	88.90	242.57
28.26	21.11	95.79	255.94
28.28	23.42	98.90	290.83
28.30	24.60	106.23	321.06
28.32	24.96	120.90	343.74
28.34	25.10	141.12	368.74
28.36	24.95	165.12	384.44
28.38	24.53	188.23	394.90
28.40	23.70	213.56	389.09
28.42	22.89	233.56	386.76
28.44	21.88	244.66	376.88
28.46	20.63	248.21	358.28
28.48	19.41	247.77	339.67
28.50	18.39	243.54	329.20
28.52	17.55	233.76	319.90
28.54	16.74	220.86	312.92
28.56	15.84	205.52	300.71
28.58	14.94	189.74	287.92
28.60	13.95	171.96	271.64
28.62	12.91	151.51	252.45
28.64	12.07	135.06	241.40
28.66	11.41	123.06	233.27
28.68	11.08	111.95	231.52
28.70	10.98	100.39	233.85
28.72	11.15	89.05	240.82
28.74	11.51	81.05	251.87
28.76	12.07	76.61	268.15
28.78	12.90	74.17	293.15
28.80	13.73	78.00	298.97
28.82	14.66	73.56	305.95
28.84	15.32	78.67	227.45
28.86	15.59	86.01	227.45
28.88	15.51	93.78	218.15
28.90	15.08	102.23	204.78
28.92	14.56	107.34	194.31
28.94	14.07	110.45	185.59
28.96	13.63	113.11	179.20
28.98	13.31	112.45	175.70
29.00	13.07	109.78	174.54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.02	12.92	106.00	176.29
29.04	12.92	101.33	179.20
29.06	12.93	97.33	182.10
29.08	12.99	95.11	185.01
29.10	13.04	93.11	189.08
29.12	13.15	91.33	194.89
29.14	13.29	91.55	201.87
29.16	13.42	91.33	207.10
29.18	13.42	91.33	209.43
29.20	13.51	89.99	214.66
29.22	13.63	89.10	220.48
29.24	13.65	89.10	222.80
29.26	13.38	93.32	219.90
29.28	13.63	93.10	230.36
29.30	13.89	93.54	238.50
29.32	14.00	95.99	240.82
29.34	14.13	96.88	242.57
29.36	14.08	98.66	238.50
29.38	14.07	98.21	236.76
29.40	14.04	99.33	234.43
29.42	14.00	99.33	230.94
29.44	13.84	99.55	225.71
29.46	13.82	98.88	223.96
29.48	13.90	98.22	225.71
29.50	14.16	96.44	232.69
29.52	14.25	93.99	232.10
29.54	13.95	92.66	221.06
29.56	13.56	92.66	211.75
29.58	13.20	92.21	204.78
29.60	12.82	91.99	198.38
29.62	12.56	91.10	194.31
29.64	12.44	88.21	193.73
29.66	12.28	85.77	192.57
29.68	12.19	82.21	191.99
29.70	12.06	79.32	191.40
29.72	12.07	77.32	196.06
29.74	12.19	74.88	201.29
29.76	12.19	71.55	200.12
29.78	11.95	71.54	193.73
29.80	11.54	72.24	229.20
29.82	11.48	72.47	221.64
29.84	11.42	72.91	215.82
29.86	11.14	73.80	204.78
29.88	10.72	75.14	193.73
29.90	10.47	73.14	189.08
29.92	10.35	70.25	186.75
29.94	10.32	68.69	186.17
29.96	10.41	67.58	190.24
29.98	10.59	66.47	194.89
30.00	10.67	64.91	196.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.02	10.44	62.91	188.50
30.04	9.88	62.46	176.87
30.06	9.25	62.46	166.99
30.08	8.78	61.58	161.17
30.10	8.44	61.35	158.26
30.12	8.19	60.69	155.94
30.14	8.00	59.35	155.36
30.16	7.76	56.69	153.61
30.18	7.51	54.24	151.29
30.20	7.27	52.02	148.96
30.22	7.03	49.80	147.21
30.24	6.81	48.46	145.47
30.26	6.62	47.13	143.15
30.28	6.43	46.02	141.98
30.30	6.28	44.69	140.82
30.32	6.11	43.35	139.08
30.34	5.95	42.02	137.91
30.36	5.78	40.46	136.17
30.38	5.63	38.69	134.42
30.40	5.43	37.35	132.10
30.42	5.21	35.80	129.19
30.44	4.92	34.47	125.70
30.46	4.39	33.36	118.14
30.48	3.91	33.58	112.33
30.50	3.20	38.25	101.28
30.52	2.57	43.58	94.89
30.54	2.35	44.92	93.14
30.56	2.24	45.59	98.96
30.58	2.50	47.81	107.68
30.60	3.37	41.59	125.70
30.62	4.43	36.26	148.96
30.64	5.45	30.70	169.89
30.66	6.28	27.15	186.75
30.68	7.05	27.59	200.12
30.70	7.86	30.04	212.33
30.72	8.64	34.71	225.13
30.74	9.40	39.82	236.76
30.76	9.93	45.60	242.57
30.78	10.19	45.86	290.25
30.80	10.51	51.42	290.25
30.82	10.76	55.86	289.09
30.84	10.98	60.30	290.25
30.86	11.25	64.30	294.90
30.88	11.57	68.08	304.20
30.90	11.94	70.75	316.41
30.92	12.23	73.19	325.71
30.94	12.47	74.97	334.43
30.96	12.60	77.19	340.83
30.98	12.55	78.74	341.41
31.00	12.38	80.52	337.92

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Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Falda **ml**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.02	12.22	83.85	334.43
31.04	12.08	86.52	337.34
31.06	11.98	87.84	339.67
31.08	11.87	87.84	342.58
31.10	11.65	87.84	342.58
31.12	11.39	86.28	340.25
31.14	11.10	84.95	337.34
31.16	10.96	83.83	340.25
31.18	10.96	82.50	350.71
31.20	11.08	82.94	368.16
31.22	11.33	82.94	390.25
31.24	11.69	83.38	417.58
31.26	12.09	84.27	445.49
31.28	12.48	83.82	471.65
31.30	12.78	85.37	494.33
31.32	12.98	88.26	512.35
31.34	13.22	90.26	537.93
31.36	13.52	93.15	569.33
31.38	13.82	96.03	603.64
31.40	14.04	98.70	629.22
31.42	14.18	100.47	647.82
31.44	14.22	102.03	662.94
31.46	14.41	104.69	687.94
31.48	14.74	108.03	730.39
31.50	15.21	111.80	788.53
31.52	15.69	114.91	846.68
31.54	16.01	118.24	893.19
31.56	16.17	121.35	926.33
31.58	16.26	123.35	953.66
31.60	16.53	125.79	1007.73
31.62	16.84	129.35	1066.45
31.64	17.11	131.57	1117.04
31.66	17.32	133.78	1161.81
31.68	17.20	135.78	1165.88
31.70	16.85	137.56	1151.34
31.72	16.39	137.56	1121.11
31.74	15.91	141.55	1083.90
31.76	15.46	142.88	1061.22
31.78	15.17	139.79	936.21
31.80	14.99	138.23	901.33
31.82	14.87	135.56	880.40
31.84	15.15	130.45	900.17
31.86	15.73	131.34	967.61
31.88	16.49	127.12	1052.50
31.90	17.15	116.45	1118.20
31.92	17.87	111.78	1165.30
31.94	18.56	109.99	1240.30
31.96	20.59	108.66	260.60
31.98	22.71	109.10	282.10
32.00	24.51	113.99	277.46

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.02	25.53	122.88	278.62
32.04	25.97	136.43	276.88
32.06	25.83	150.88	296.64
32.08	24.68	173.77	279.78
32.10	23.33	191.77	270.48
32.12	21.22	212.21	234.43
32.14	18.30	236.21	187.91
32.16	14.70	253.10	139.66
32.18	11.07	271.09	104.19
32.20	7.71	286.42	79.77
32.22	5.42	304.64	71.05
32.24	4.27	303.75	70.47
32.26	3.22	331.96	66.40
32.28	2.63	327.74	69.89
32.30	2.61	287.29	148.38
32.32	2.84	234.40	737.37
32.34	3.04	178.39	949.59
32.36	3.13	131.94	994.36
32.38	3.04	103.72	983.31
32.40	2.76	63.27	1026.92
32.42	2.61	35.05	1056.57
32.44	2.45	35.05	942.03
32.46	2.32	44.38	926.33
32.48	2.20	46.83	915.28
32.50	2.13	46.39	940.29
32.52	2.02	49.06	967.61
32.54	1.92	43.95	1003.66
32.56	1.97	41.95	1015.29
32.58	1.98	39.73	1021.69
32.60	2.01	38.40	1025.75
32.62	2.03	37.07	1017.03
32.64	2.02	35.74	991.45
32.66	1.98	35.52	940.87
32.68	1.99	37.08	913.54
32.70	1.98	37.09	873.42
32.72	1.83	40.87	810.62
32.74	1.63	41.09	744.92
32.76	1.55	28.93	811.20
32.78	1.61	28.05	786.20
32.80	1.60	28.05	806.56
32.82	1.58	28.05	827.49
32.84	1.58	28.05	840.86
32.86	1.58	28.94	844.35
32.88	1.55	27.39	852.49
32.90	1.54	25.61	863.53
32.92	1.53	23.39	857.72
32.94	1.58	21.61	890.86
32.96	1.75	19.84	934.47
32.98	2.20	18.28	929.24
33.00	2.33	16.51	943.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.02	2.94	26.07	933.89
33.04	3.12	16.29	968.78
33.06	4.91	22.07	825.74
33.08	5.70	22.07	541.42
33.10	5.37	34.30	653.06
33.12	5.86	65.19	835.63
33.14	6.87	84.75	924.59
33.16	8.78	127.19	1079.83
33.18	10.10	134.97	1166.46
33.20	10.87	109.86	1210.65
33.22	11.22	91.19	1217.62
33.24	11.45	80.30	1201.35
33.26	11.60	93.42	1197.86
33.28	11.82	102.08	1199.60
33.30	12.07	115.41	1229.25
33.32	12.41	132.52	1258.90
33.34	12.60	148.08	1289.72
33.36	13.07	164.08	1352.52
33.38	13.55	172.52	1428.10
33.40	13.96	176.96	1508.92
33.42	14.46	178.07	1603.70
33.44	15.11	186.51	1711.26
33.46	15.78	181.83	1844.99
33.48	15.78	180.50	1833.94
33.50	15.53	189.16	1812.43
33.52	14.47	200.04	1710.10
33.54	12.81	226.49	1531.01
33.56	12.56	235.81	1626.37
33.58	11.11	287.14	1347.29
33.60	10.10	351.36	1335.66
33.62	11.13	389.14	1564.16
33.64	10.29	414.02	1469.97
33.66	8.24	446.90	1280.42
33.68	6.63	468.23	1158.32
33.70	6.08	469.11	1196.70
33.72	5.88	435.33	1336.24
33.74	5.52	372.21	1411.24
33.76	5.70	335.32	1512.99
33.78	7.82	272.64	1956.62
33.80	9.90	292.64	2256.64
33.82	12.47	259.08	2285.71
33.84	13.55	262.60	2285.71
33.86	14.54	258.19	2285.71
33.88	14.65	244.19	2285.71
33.90	14.40	222.63	2285.71
33.92	13.93	207.96	2285.71
33.94	13.27	184.63	2258.96
33.96	12.65	143.07	2170.59
33.98	11.60	109.29	2014.18
34.00	10.92	99.95	1917.67

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Committente AUTOBRENNERO SPA  
 Località CASTELLETTO BORGO - MN -  
 Cantiere SOVRAPASSO N°111  
 Data 09\05\11  
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Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.02	10.74	113.51	1913.60
34.04	10.68	135.51	1928.71
34.06	10.62	165.95	1936.27
34.08	10.55	203.07	1956.04
34.10	10.48	229.07	1944.41
34.12	10.09	227.07	1896.15
34.14	9.58	216.18	1819.99
34.16	8.90	200.40	1729.86
34.18	8.11	191.73	1622.88
34.20	7.34	193.06	1512.99
34.22	6.66	197.95	1403.10
34.24	6.10	205.28	1317.63
34.26	5.55	211.73	1232.16
34.28	5.08	212.61	1183.32
34.30	4.63	200.61	1146.11
34.32	4.60	194.39	1098.43
34.34	4.80	194.61	1132.74
34.36	4.95	182.84	1167.04
34.38	4.66	170.84	1124.01
34.40	4.17	152.61	1043.78
34.42	3.94	137.50	999.01
34.44	4.03	129.50	1023.43
34.46	4.12	121.72	1035.06
34.48	4.27	121.50	1049.59
34.50	4.69	125.73	1086.22
34.52	5.88	141.51	1248.44
34.54	7.34	151.51	1421.70
34.56	8.35	182.18	1517.06
34.58	8.56	211.29	1526.95
34.60	8.17	229.07	1432.17
34.62	7.86	233.52	1333.91
34.64	7.79	250.41	1271.12
34.66	7.14	272.41	1150.18
34.68	6.22	263.74	1003.08
34.70	5.21	232.63	850.16
34.72	4.49	215.07	743.18
34.74	3.79	196.63	643.76
34.76	4.03	180.40	690.27
34.78	6.87	154.67	1081.57
34.80	8.13	157.56	1182.16
34.82	8.07	162.22	1112.39
34.84	7.27	136.45	967.61
34.86	6.60	126.22	845.51
34.88	6.27	133.78	804.23
34.90	6.25	145.11	772.83
34.92	6.81	157.78	812.37
34.94	8.72	174.22	1047.85
34.96	11.61	150.47	982.73
34.98	13.61	145.36	1171.69
35.00	14.63	138.70	1257.74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.02	14.86	116.03	1258.90
35.04	14.97	114.03	1247.86
35.06	14.85	114.92	1207.16
35.08	14.58	116.03	1167.04
35.10	14.20	114.70	1148.43
35.12	14.07	126.70	1144.95
35.14	14.34	142.69	1222.86
35.16	14.45	152.03	1257.16
35.18	14.30	148.03	1257.74
35.20	14.09	142.91	1255.42
35.22	13.64	126.91	1229.25
35.24	13.19	119.57	1210.65
35.26	12.89	124.02	1209.49
35.28	12.83	133.79	1247.86
35.30	12.86	148.02	1293.79
35.32	13.03	162.46	1358.33
35.34	13.16	174.68	1409.50
35.36	13.07	175.34	1435.08
35.38	12.90	166.89	1447.29
35.40	12.80	156.67	1458.92
35.42	12.74	144.00	1484.50
35.44	12.45	131.99	1461.82
35.46	12.02	125.77	1439.73
35.48	11.28	126.44	1355.42
35.50	10.29	121.33	1225.77
35.52	9.23	117.99	1105.99
35.54	7.95	122.88	937.96
35.56	6.84	127.77	805.98
35.58	5.94	139.10	730.97
35.60	5.21	153.99	665.85
35.62	4.51	163.99	598.99
35.64	3.85	167.32	547.24
35.66	3.44	163.54	526.30
35.68	3.17	154.88	505.38
35.70	2.89	147.99	493.17
35.72	2.93	136.87	530.38
35.74	3.19	118.43	564.68
35.76	3.67	102.20	608.87
35.78	3.91	93.58	434.44
35.80	3.67	86.24	396.07
35.82	3.06	76.02	339.67
35.84	2.50	66.47	295.48
35.86	2.04	62.02	271.06
35.88	1.84	58.47	321.64
35.90	1.88	51.80	489.68
35.92	2.12	48.03	744.92
35.94	2.59	44.92	886.21
35.96	3.40	42.03	1009.48
35.98	5.61	44.25	1221.11
36.00	8.78	55.37	1565.32

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.02	11.04	56.48	1664.74
36.04	11.76	65.38	1456.59
36.06	12.54	81.83	1365.89
36.08	12.79	102.05	1262.98
36.10	12.58	129.17	1137.97
36.12	12.29	152.28	1027.50
36.14	12.11	159.84	960.63
36.16	12.34	167.40	969.36
36.18	12.71	176.06	1005.99
36.20	12.93	184.28	1022.27
36.22	12.99	179.17	1002.50
36.24	12.64	177.16	946.10
36.26	11.94	173.83	866.44
36.28	11.50	177.16	815.86
36.30	11.15	176.94	776.90
36.32	10.60	173.82	718.18
36.34	10.04	177.38	666.43
36.36	9.66	177.60	635.03
36.38	9.48	174.93	615.85
36.40	9.47	161.15	612.36
36.42	9.50	151.59	609.45
36.44	9.56	145.37	612.94
36.46	9.86	142.26	647.24
36.48	10.19	140.70	680.39
36.50	10.48	140.48	711.20
36.52	10.94	143.59	754.23
36.54	11.54	147.59	825.16
36.56	12.14	148.92	901.91
36.58	12.96	154.69	1011.80
36.60	13.97	160.69	1141.46
36.62	14.84	164.47	1243.79
36.64	15.41	164.03	1326.93
36.66	15.72	162.25	1381.00
36.68	15.70	166.91	1399.61
36.70	15.41	168.03	1396.70
36.72	14.97	165.80	1376.36
36.74	14.57	164.91	1362.98
36.76	14.24	162.47	1367.05
36.78	13.80	157.82	1234.49
36.80	13.86	153.37	1222.28
36.82	13.59	150.04	1163.55
36.84	13.36	145.15	1125.18
36.86	12.90	142.70	1068.78
36.88	12.52	138.93	1020.52
36.90	12.32	135.81	1002.50
36.92	12.30	135.14	1011.80
36.94	12.50	134.03	1047.27
36.96	12.77	131.58	1091.46
36.98	13.13	129.14	1143.79
37.00	13.52	125.80	316.41

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **CASTELLETTO BORGO - MN -**  
 Cantiere **SOVRAPASSO N°111**  
 Data **09\05\11**  
 Preforo **1.00 m. p.c.**

Prova **2**  
 Cert. N. 543/2011  
 Emesso il 09/05/11

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.02	13.94	123.80	348.39
37.04	14.26	125.13	385.60
37.06	14.02	132.68	410.60
37.08	14.06	136.68	453.63
37.10	13.89	141.13	405.37
37.12	13.76	144.91	412.93
37.14	13.72	146.46	351.30
37.16	13.53	152.24	344.90
37.18	13.43	156.02	347.23
37.20	13.30	158.24	345.48
37.22	13.16	157.80	333.85
37.24	12.87	158.91	315.25
37.26	12.55	159.13	290.83
37.28	12.10	157.80	264.66
37.30	11.67	155.80	246.64
37.32	11.18	155.80	229.78
37.34	10.70	156.25	216.40
37.36	10.24	151.14	205.94
37.38	9.99	145.14	203.03
37.40	9.79	141.14	200.70
37.42	9.74	135.80	202.45
37.44	9.74	130.03	203.03
37.46	9.76	123.14	207.69
37.48	9.76	116.92	210.01
37.50	9.80	114.03	209.43
37.52	9.88	114.03	211.17
37.54	9.95	114.26	211.17
37.56	9.99	114.70	210.59
37.58	10.14	113.15	215.24
37.60	10.23	114.26	216.40
37.62	10.38	115.82	221.64
37.64	10.58	116.04	228.03
37.66	13.02	112.41	433.86
37.68	13.32	122.63	463.51
37.70	13.67	132.63	493.75
37.72	14.09	140.19	529.80
37.74	14.57	139.74	574.57
37.76	15.08	139.74	623.40
37.78	15.51	139.36	414.67
37.80	16.11	141.81	425.14
37.82	16.54	147.14	428.05
37.84	16.83	152.25	423.40
37.86	17.01	156.25	420.49
37.88	17.00	162.47	412.93
37.90	17.01	167.58	410.60
37.92	16.86	173.14	405.95
37.94	16.64	178.25	398.98
37.96	16.11	178.46	376.88
37.98	15.09	176.24	337.92
38.00	13.51	173.35	278.62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.02	11.53	173.35	220.48
38.04	9.56	179.79	171.63
38.06	7.70	188.23	137.33
38.08	5.60	210.45	104.77
38.10	4.42	227.56	94.89
38.12	3.53	236.22	89.07
38.14	3.14	235.56	136.17
38.16	2.89	220.00	296.64
38.18	2.59	193.11	356.53
38.20	2.31	154.21	418.74
38.22	2.27	111.54	644.92
38.24	2.30	75.09	759.46
38.26	2.26	54.20	840.28
38.28	2.12	46.65	818.19
38.30	2.15	40.87	845.51
38.32	2.35	33.76	927.49
38.34	2.59	28.20	992.61
38.36	2.73	29.32	1003.08
38.38	2.60	39.32	961.21
38.40	2.51	49.77	928.08
38.42	2.51	57.77	906.56
38.44	2.64	58.22	981.57
38.46	2.89	55.33	1035.64
38.48	2.96	63.33	1042.03
38.50	2.91	68.00	1020.52
38.52	2.83	73.56	979.82
38.54	2.97	78.90	986.22
38.56	3.16	86.23	1010.06
38.58	3.40	90.90	1037.96
38.60	3.51	100.68	1010.64
38.62	3.58	110.02	983.89
38.64	3.64	114.02	953.08
38.66	3.62	115.80	890.86
38.68	3.61	118.25	874.58
38.70	3.71	118.47	880.98
38.72	4.00	116.03	900.75
38.74	4.27	116.47	925.75
38.76	5.03	96.31	760.62
38.78	4.98	112.98	675.73
38.80	4.56	124.76	589.10
38.82	4.19	119.64	542.59
38.84	4.08	116.75	537.35
38.86	3.77	114.98	517.00
38.88	3.97	116.98	617.59
38.90	4.43	117.42	725.74
38.92	4.71	126.53	744.34
38.94	4.51	134.08	700.73
38.96	4.35	136.30	698.41
38.98	4.31	140.30	713.53
39.00	4.15	142.97	707.71

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.02	4.04	143.19	727.48
39.04	3.83	136.97	754.81
39.06	3.65	134.52	781.55
39.08	3.60	128.30	828.65
39.10	3.61	124.52	864.70
39.12	3.65	124.08	917.61
39.14	3.76	118.30	975.75
39.16	3.71	120.52	955.40
39.18	3.54	125.85	956.56
39.20	3.48	124.07	950.17
39.22	3.35	119.85	946.10
39.24	3.17	109.63	944.93
39.26	3.35	103.62	1019.36
39.28	3.41	93.62	1062.39
39.30	3.54	85.18	1115.88
39.32	3.53	83.40	1114.71
39.34	3.59	88.95	1128.09
39.36	3.64	93.40	1140.30
39.38	3.63	98.51	1139.71
39.40	3.41	100.95	1102.50
39.42	3.39	99.84	1085.64
39.44	3.37	99.62	1085.64
39.46	3.54	98.29	1133.90
39.48	3.76	96.07	1171.69
39.50	3.54	97.18	817.60
39.52	3.44	102.95	833.30
39.54	3.23	107.62	791.44
39.56	3.04	110.51	783.30
39.58	3.15	106.07	842.02
39.60	3.48	101.85	937.38
39.62	3.90	105.62	1011.22
39.64	4.38	108.51	1082.73
39.66	4.69	114.96	1107.73
39.68	4.67	123.40	1040.87
39.70	4.57	131.40	989.12
39.72	4.33	139.40	924.00
39.74	3.84	141.62	840.28
39.76	3.51	140.74	806.56
39.78	3.43	114.55	1053.66
39.80	3.19	121.66	1019.94
39.82	3.05	119.21	1014.12
39.84	3.00	116.55	1037.96
39.86	3.15	108.77	1082.73
39.88	3.23	100.99	1094.94
39.90	3.08	95.88	1056.57
39.92	2.62	91.65	928.66
39.94	2.27	91.21	926.91
39.96	2.24	85.21	985.05
39.98	2.33	78.54	1048.43
40.00	2.35	74.10	1094.36







# PROVA PENETROMETRICA STATICA

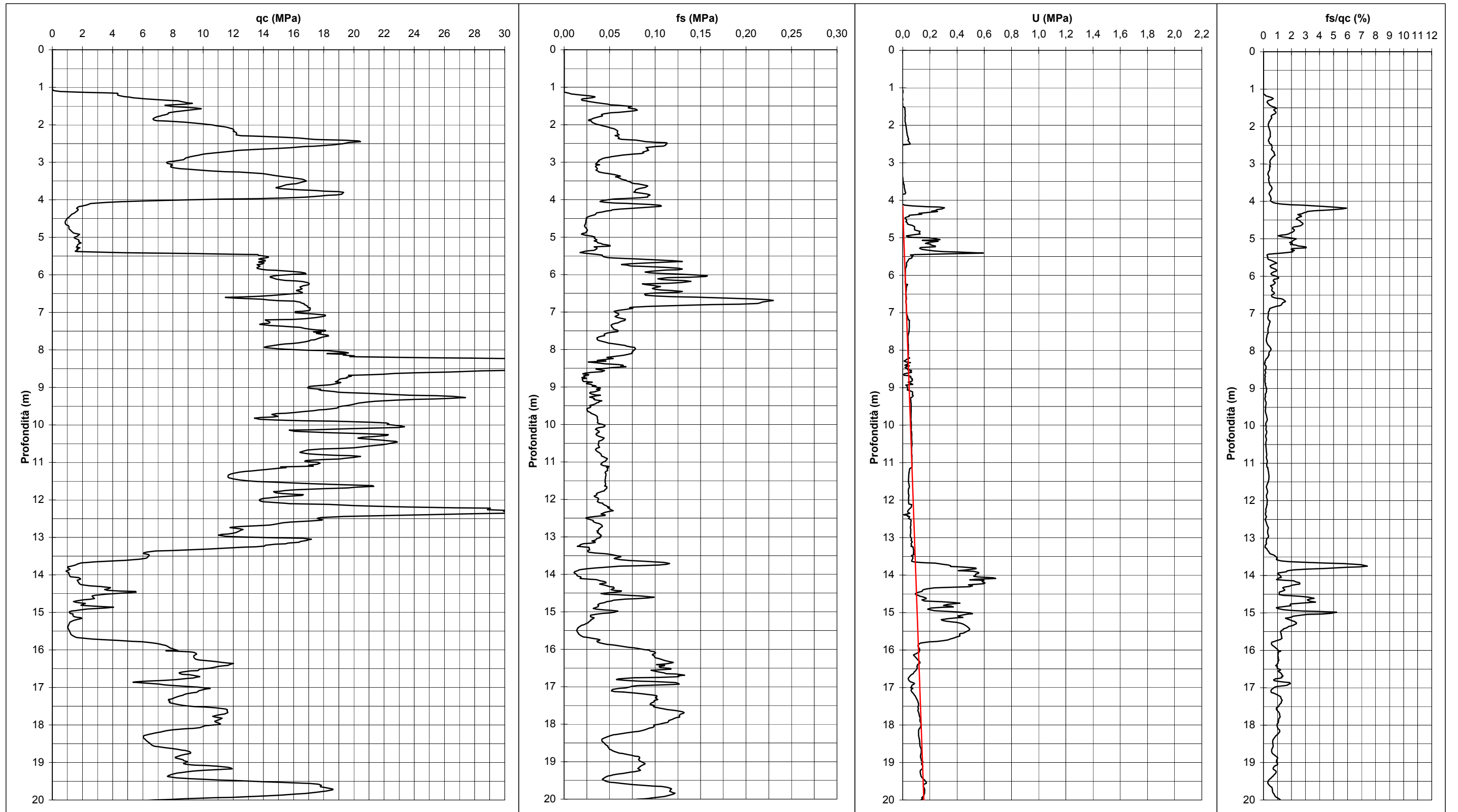
secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01471	COMM.	004CM07	PAG.	1	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE:	AUTOSTRADA DEL BRENNERO S. p. A.				
CANTIERE:	TERZA CORSIA A22, TRATTO VERONA - MODENA				
PROVA N°:	CPT 5	DATA PROVA	13/03/2007	OPERATORE	P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate	X	-	Y	-
Preforo	1,00	m	Livello acqua	4,10	m da p.c.	Profondità finale	30,06	m da p.c.	
NOTE	-								

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01471	COMM.	004CM07	PAG.	2	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

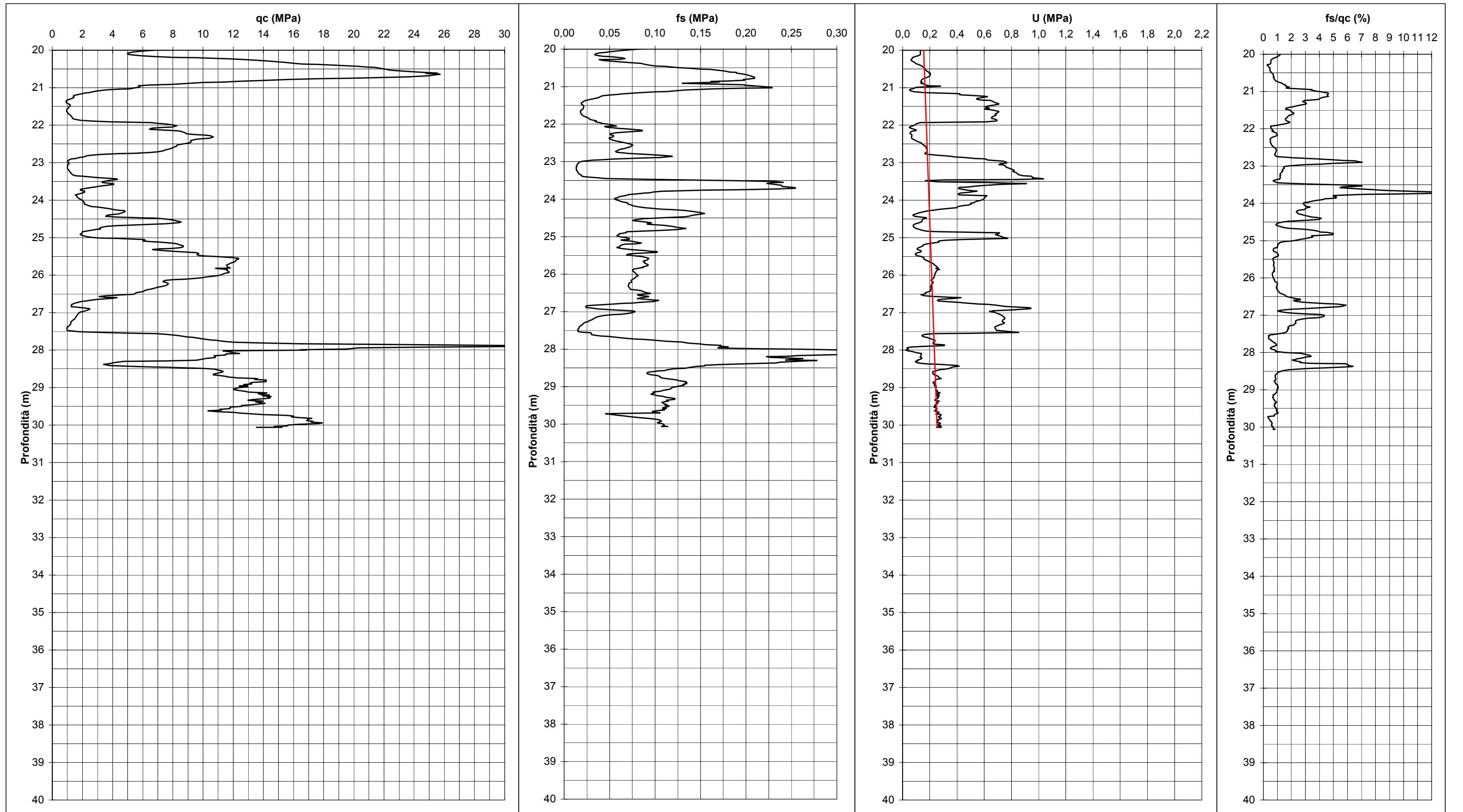
CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

PROVA N°: CPT 5      DATA PROVA: 13/03/2007      OPERATORE: P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate X	-	Y	-
Preforo	1,00	m	Livello acqua	4,10	m da p.c.	Profondità finale	30,06	m da p.c.

NOTE: -

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200

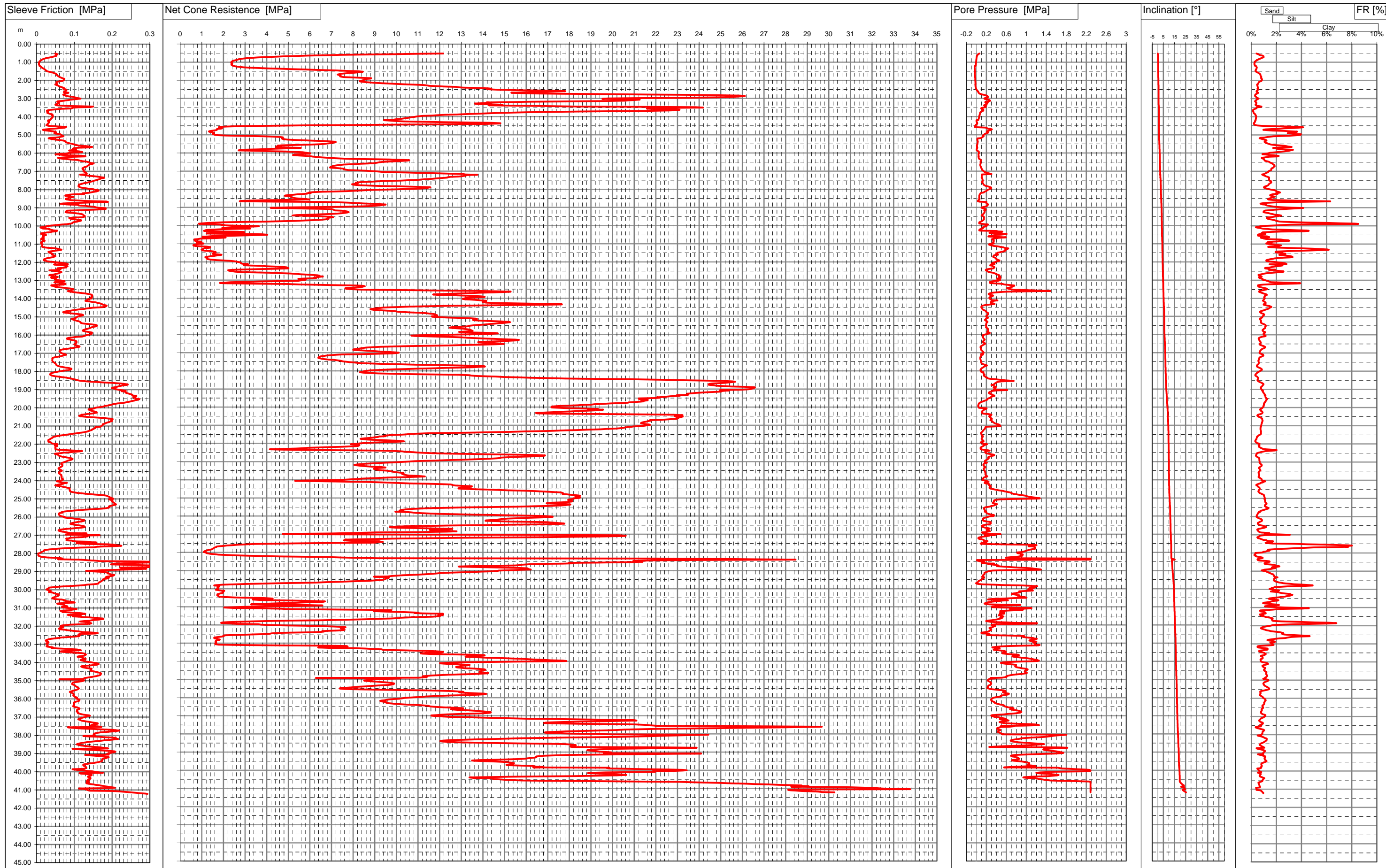


Committente AUTOBRENNERO SPA  
 Località BAGNOLO S.VITO - MN -  
 Cantiere SOVRAPASSO N° 112  
 Operatore DR.STANZANI  
 Prova nr. 1 Cert. N. 568/2011  
 Data 18/05/11 Emesso il 18/05/11  
 Falda 3.50 ml  
 Preforo 0.50 m. p.c.

**MN-CPTU14**



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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BAGNOLO S.VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 18\05\11

Preforo 0.50 m. p.c. Falda 3.50 ml

Prova **1**

Cert. N. 568/2011

Emesso il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	12.16	49.03	62.91
0.54	11.00	51.70	50.12
0.56	9.73	55.48	39.07
0.58	8.52	51.48	29.19
0.60	7.48	50.15	21.63
0.62	6.56	51.26	18.72
0.64	5.89	52.60	14.65
0.66	5.30	51.27	11.16
0.68	4.78	47.49	9.42
0.70	4.31	42.82	5.93
0.72	3.91	39.05	4.77
0.74	3.59	33.27	3.02
0.76	3.30	28.16	2.44
0.78	3.08	24.38	1.28
0.80	2.90	21.27	0.11
0.82	2.80	17.50	0.11
0.84	2.70	15.94	-1.05
0.86	2.66	13.94	-1.63
0.88	2.61	11.50	-2.21
0.90	2.52	11.28	-2.80
0.92	2.46	9.51	-3.38
0.94	2.43	8.39	-3.96
0.96	2.39	7.29	-5.12
0.98	2.38	7.06	-5.70
1.00	2.35	6.18	-6.28
1.02	2.36	6.62	-6.86
1.04	2.36	6.18	-8.02
1.06	2.42	5.96	-8.61
1.08	2.41	5.96	-9.19
1.10	2.39	5.74	-10.35
1.12	2.37	5.96	-11.51
1.14	2.37	6.19	-12.10
1.16	2.39	6.63	-12.68
1.18	2.42	7.75	-13.84
1.20	2.46	7.30	-14.42
1.22	2.50	10.05	-35.35
1.24	2.62	10.72	-35.35
1.26	2.74	11.39	-35.35
1.28	2.93	13.17	-35.35
1.30	3.18	14.06	-34.77
1.32	3.52	15.17	-34.77
1.34	4.01	16.95	-34.19
1.36	4.55	18.95	-33.03
1.38	5.12	20.73	-31.87
1.40	5.72	21.40	-31.28
1.42	6.28	22.51	-30.12
1.44	6.76	23.62	-29.54
1.46	7.25	25.85	-28.38
1.48	7.77	25.85	-27.21
1.50	8.22	28.29	-26.63

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	8.45	32.30	-26.05
1.54	8.43	36.74	-26.05
1.56	8.27	40.74	-26.63
1.58	8.04	44.75	-27.21
1.60	7.80	46.75	-27.80
1.62	7.57	49.19	-27.80
1.64	7.43	51.41	-28.38
1.66	7.35	52.53	-28.38
1.68	7.28	53.86	-27.80
1.70	7.33	53.86	-27.80
1.72	7.38	54.09	-27.21
1.74	7.41	55.42	-26.63
1.76	7.44	56.53	-26.63
1.78	7.39	57.87	-26.05
1.80	7.44	59.87	-26.05
1.82	7.57	61.20	-25.47
1.84	7.91	63.64	-24.30
1.86	8.41	66.31	-22.56
1.88	8.83	68.98	-21.98
1.90	8.82	72.09	-21.98
1.92	8.62	73.65	-21.98
1.94	8.56	73.43	-21.98
1.96	8.55	72.09	-21.40
1.98	8.47	72.09	-21.40
2.00	8.44	70.54	-21.40
2.02	8.36	69.21	-21.40
2.04	8.30	65.43	-21.40
2.06	8.31	58.10	-20.82
2.08	8.42	53.65	-20.82
2.10	8.59	52.10	-20.24
2.12	8.83	52.55	-19.65
2.14	9.08	52.77	-19.07
2.16	9.35	52.99	-18.49
2.18	9.69	53.22	-17.33
2.20	10.06	54.33	-16.75
2.22	10.38	49.04	-21.40
2.24	10.98	50.60	-20.24
2.26	11.28	53.27	-19.65
2.28	11.39	55.94	-19.65
2.30	11.50	57.72	-19.65
2.32	11.81	59.05	-18.49
2.34	12.24	61.50	-17.33
2.36	12.77	65.28	-15.59
2.38	12.89	67.50	-15.00
2.40	13.07	71.28	-13.84
2.42	13.68	72.61	-10.35
2.44	14.26	72.39	-8.02
2.46	14.39	70.61	-4.54
2.48	14.18	74.84	-1.63
2.50	14.38	77.28	0.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	14.69	79.28	3.02
2.54	15.52	78.39	7.67
2.56	16.52	77.06	14.65
2.58	17.59	75.28	24.53
2.60	17.81	76.40	28.02
2.62	17.18	72.40	31.51
2.64	16.62	71.73	40.81
2.66	15.96	77.06	41.40
2.68	15.31	84.17	44.30
2.70	15.62	82.62	49.53
2.72	16.37	77.95	57.68
2.74	17.56	73.95	71.63
2.76	19.40	72.40	91.98
2.78	21.50	69.95	119.30
2.80	23.46	72.17	151.29
2.82	24.99	73.95	182.10
2.84	25.89	76.40	207.10
2.86	26.12	79.28	217.57
2.88	26.00	86.39	225.71
2.90	25.74	95.50	229.20
2.92	25.51	99.73	234.43
2.94	24.65	103.06	222.80
2.96	23.15	102.39	201.29
2.98	21.10	112.17	169.89
3.00	19.77	116.39	156.52
3.02	19.53	108.16	165.24
3.04	20.38	98.61	202.45
3.06	21.25	91.94	245.48
3.08	21.07	84.16	253.62
3.10	20.75	77.49	262.34
3.12	20.57	70.37	279.20
3.14	19.76	59.04	264.66
3.16	17.99	54.37	219.90
3.18	16.17	56.59	185.59
3.20	15.05	57.70	176.29
3.22	14.17	55.26	228.61
3.24	14.33	60.15	226.29
3.26	13.92	56.37	205.36
3.28	13.63	53.93	193.15
3.30	13.73	52.15	190.82
3.32	14.39	50.37	205.94
3.34	14.91	49.26	205.36
3.36	14.35	50.60	159.42
3.38	14.28	59.49	150.70
3.40	15.98	79.04	181.52
3.42	16.96	117.04	179.78
3.44	18.38	149.71	168.15
3.46	21.29	143.71	191.40
3.48	23.84	112.15	181.52
3.50	24.18	94.60	146.63

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**Intergeo** s.p.a.



Committente AUTOBRENNERO SPA

Località BAGNOLO S.VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 18/05/11

Preforo 0.50 m. p.c. Falda 3.50 ml

Prova 1

Cert. N. 568/2011

Emesso il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	22.44	94.59	104.19
3.54	21.64	92.15	96.05
3.56	21.58	65.70	102.45
3.58	22.02	57.04	115.24
3.60	22.62	45.48	128.03
3.62	23.10	35.48	138.50
3.64	23.04	29.71	140.82
3.66	22.67	27.26	140.82
3.68	21.60	27.04	132.10
3.70	20.02	31.04	110.59
3.72	18.48	30.60	96.05
3.74	17.10	29.26	87.91
3.76	16.03	28.15	79.77
3.78	15.15	27.93	75.12
3.80	14.63	29.71	74.54
3.82	14.05	32.15	72.21
3.84	13.68	35.49	71.63
3.86	13.26	40.60	70.47
3.88	12.78	42.37	68.14
3.90	12.22	39.26	63.49
3.92	11.85	40.82	62.33
3.94	11.67	43.04	64.07
3.96	11.20	43.26	57.68
3.98	11.02	42.37	55.93
4.00	10.91	42.82	55.35
4.02	10.79	42.15	54.19
4.04	10.67	41.48	53.02
4.06	10.54	39.48	51.28
4.08	10.44	39.71	50.12
4.10	10.35	37.93	48.37
4.12	10.21	37.26	46.05
4.14	10.01	36.15	43.14
4.16	9.88	35.93	40.81
4.18	9.91	35.49	40.81
4.20	9.42	29.75	1.28
4.22	9.75	30.19	1.28
4.24	9.92	29.97	0.11
4.26	10.35	31.75	1.28
4.28	11.11	33.31	3.60
4.30	12.17	33.31	7.67
4.32	13.32	32.65	12.32
4.34	14.32	31.31	16.40
4.36	14.82	30.20	17.56
4.38	14.78	29.54	16.40
4.40	14.10	28.20	12.32
4.42	12.49	29.54	4.19
4.44	10.23	28.65	-5.12
4.46	8.07	25.54	-12.68
4.48	5.93	27.54	-19.65
4.50	4.08	33.32	-23.72

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	2.91	47.10	-27.21
4.54	2.16	67.54	-28.96
4.56	1.89	77.99	-29.54
4.58	1.79	77.32	-27.21
4.60	1.81	73.55	180.36
4.62	1.83	63.77	206.52
4.64	1.94	51.99	218.15
4.66	1.88	41.10	222.22
4.68	1.70	27.55	283.85
4.70	1.71	19.10	310.60
4.72	1.70	16.44	288.50
4.74	1.67	20.88	283.85
4.76	1.56	26.89	258.85
4.78	1.43	38.22	235.59
4.80	1.35	44.67	215.24
4.82	1.33	50.45	208.27
4.84	1.37	50.45	215.24
4.86	1.47	50.67	229.20
4.88	1.54	52.23	233.27
4.90	1.57	46.67	221.06
4.92	1.56	48.90	200.12
4.94	1.56	56.45	179.20
4.96	1.51	62.01	166.99
4.98	1.57	64.02	157.10
5.00	1.59	64.91	144.89
5.02	1.77	66.91	135.00
5.04	2.13	67.58	132.68
5.06	2.91	71.13	139.08
5.08	3.86	69.13	144.89
5.10	4.29	64.03	134.42
5.12	4.63	60.25	124.54
5.14	4.75	50.47	114.08
5.16	4.73	34.92	102.45
5.18	4.75	31.37	93.72
5.20	4.71	35.84	21.05
5.22	4.73	38.73	19.30
5.24	4.79	45.40	18.14
5.26	4.96	52.29	17.56
5.28	5.23	61.85	18.14
5.30	5.61	69.40	19.88
5.32	6.10	73.85	22.79
5.34	6.56	75.18	25.70
5.36	6.95	75.63	27.44
5.38	7.15	76.52	27.44
5.40	7.20	78.07	26.86
5.42	7.13	80.96	25.70
5.44	7.06	84.29	24.53
5.46	6.94	87.85	23.37
5.48	6.79	92.29	21.63
5.50	6.65	95.62	21.05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	6.42	99.85	19.30
5.54	6.04	101.18	17.56
5.56	5.26	106.74	14.07
5.58	4.69	112.96	11.74
5.60	4.50	120.51	11.74
5.62	4.66	135.84	12.32
5.64	4.67	140.07	12.90
5.66	4.43	147.40	11.74
5.68	4.51	141.62	12.32
5.70	5.13	110.95	16.40
5.72	5.58	98.51	19.30
5.74	5.02	97.62	14.65
5.76	4.55	95.62	11.74
5.78	4.08	96.06	8.83
5.80	3.63	103.62	5.93
5.82	3.05	104.95	3.02
5.84	2.72	90.06	3.02
5.86	2.70	85.84	17.56
5.88	3.37	102.95	22.21
5.90	4.06	111.62	29.19
5.92	4.87	118.95	45.47
5.94	5.34	120.95	48.37
5.96	5.67	106.06	50.70
5.98	5.82	89.84	50.12
6.00	5.87	82.95	49.53
6.02	6.03	79.17	50.12
6.04	5.94	62.06	48.37
6.06	5.61	49.83	44.30
6.08	5.27	59.61	41.40
6.10	5.31	73.83	41.98
6.12	5.21	96.06	40.23
6.14	5.50	115.83	42.56
6.16	5.75	128.94	44.89
6.18	6.05	129.61	50.12
6.20	6.12	87.84	41.98
6.22	6.36	80.07	43.72
6.24	6.51	68.96	44.30
6.26	6.72	56.74	45.47
6.28	7.02	59.18	47.21
6.30	7.32	67.40	50.12
6.32	7.82	78.07	54.77
6.34	8.62	88.74	64.07
6.36	9.63	98.96	76.86
6.38	10.31	109.18	87.33
6.40	10.60	114.29	90.23
6.42	10.51	115.62	89.65
6.44	10.25	122.73	87.91
6.46	9.88	130.29	85.00
6.48	9.55	136.73	82.68
6.50	9.31	137.62	82.10

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Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S.VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **18\05\11**

Preforo **0.50 m. p.c.** Falda **3.50 ml**

Prova **1**

Cert. N. **568/2011**

Emesso il **18/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	9.17	139.39	83.26
6.54	9.11	145.39	85.59
6.56	8.94	151.39	86.75
6.58	8.69	148.50	85.59
6.60	8.31	144.94	82.10
6.62	7.91	140.05	79.19
6.64	7.57	139.16	77.44
6.66	7.38	137.83	78.02
6.68	7.25	135.83	79.77
6.70	7.13	134.49	80.93
6.72	7.05	134.04	82.10
6.74	7.04	131.82	85.00
6.76	7.02	128.26	87.33
6.78	6.94	125.15	88.49
6.80	6.93	124.48	90.23
6.82	7.06	122.04	94.30
6.84	7.31	120.93	100.12
6.86	7.52	121.81	105.35
6.88	7.59	123.81	107.68
6.90	7.56	123.37	108.84
6.92	7.64	124.70	111.75
6.94	7.80	125.36	116.98
6.96	8.19	125.14	127.45
6.98	8.57	123.36	137.33
7.00	8.89	124.25	146.05
7.02	9.13	125.58	153.03
7.04	9.35	128.25	160.00
7.06	9.85	130.69	175.70
7.08	10.49	130.47	197.80
7.10	11.17	131.80	220.48
7.12	11.82	132.91	245.48
7.14	12.57	132.47	274.55
7.16	13.10	132.02	301.30
7.18	13.18	114.75	107.68
7.20	13.74	126.75	110.00
7.22	13.27	130.97	107.68
7.24	13.20	139.41	107.10
7.26	13.16	148.97	108.26
7.28	13.02	156.52	107.68
7.30	12.86	165.63	105.93
7.32	12.48	168.97	105.93
7.34	12.36	178.74	110.59
7.36	12.36	178.74	102.45
7.38	12.04	172.07	114.08
7.40	11.88	169.62	116.98
7.42	11.65	167.62	118.72
7.44	11.41	164.06	121.05
7.46	11.19	160.73	122.80
7.48	10.97	157.61	125.70
7.50	10.59	154.72	123.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	10.20	151.16	123.96
7.54	9.39	149.58	129.77
7.56	9.24	145.16	116.98
7.58	8.83	140.71	114.08
7.60	8.43	137.38	112.91
7.62	8.19	132.93	115.24
7.64	8.12	128.04	121.05
7.66	8.18	123.81	127.45
7.68	8.21	120.48	134.42
7.70	8.16	117.37	137.91
7.72	7.95	111.81	139.08
7.74	7.96	112.25	144.89
7.76	8.13	111.58	151.29
7.78	8.32	111.14	160.00
7.80	8.72	111.58	173.38
7.82	9.34	110.69	193.15
7.84	10.12	111.58	223.38
7.86	10.90	113.58	253.62
7.88	11.31	115.35	272.80
7.90	11.57	119.13	289.09
7.92	11.25	128.46	284.43
7.94	11.44	132.91	297.80
7.96	11.07	140.68	289.09
7.98	10.63	148.46	273.39
8.00	10.00	154.24	253.03
8.02	9.37	159.13	235.01
8.04	8.80	163.57	219.90
8.06	8.42	164.46	211.17
8.08	8.13	162.01	204.78
8.10	7.72	158.46	192.57
8.12	7.21	153.57	178.03
8.14	6.58	148.01	161.75
8.16	6.09	142.45	150.70
8.18	5.96	139.34	148.96
8.20	6.05	121.59	89.07
8.22	5.86	123.36	82.10
8.24	5.87	126.25	79.19
8.26	5.68	100.70	74.54
8.28	5.43	88.25	68.14
8.30	5.24	81.36	64.07
8.32	5.03	76.25	60.58
8.34	4.85	75.59	57.68
8.36	4.84	82.70	56.51
8.38	4.99	89.81	57.68
8.40	5.12	98.03	58.26
8.42	5.12	94.47	57.10
8.44	5.13	89.59	55.93
8.46	5.20	85.36	55.93
8.48	5.28	81.59	55.93
8.50	5.38	78.03	56.51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	5.57	76.70	58.26
8.54	5.83	78.70	61.75
8.56	5.98	83.59	62.91
8.58	5.25	91.14	52.44
8.60	4.00	107.14	39.07
8.62	3.39	128.47	34.42
8.64	2.86	153.36	29.19
8.66	2.75	184.70	29.77
8.68	4.34	189.14	58.26
8.70	6.68	158.47	202.45
8.72	7.46	126.47	204.20
8.74	7.83	92.47	197.80
8.76	8.09	70.25	198.38
8.78	8.49	62.92	208.85
8.80	8.87	69.81	219.31
8.82	9.29	82.69	229.78
8.84	9.50	110.92	234.43
8.86	9.40	110.47	228.61
8.88	9.29	114.25	222.80
8.90	9.10	127.81	216.99
8.92	8.84	138.03	208.27
8.94	8.42	148.92	195.48
8.96	7.55	155.14	167.57
8.98	6.35	157.80	137.91
9.00	4.97	165.14	109.42
9.02	4.19	181.14	100.70
9.04	4.82	183.36	123.96
9.06	5.83	183.13	141.98
9.08	6.61	181.13	178.61
9.10	7.01	155.35	186.17
9.12	7.08	132.46	185.01
9.14	7.12	103.57	187.91
9.16	7.13	80.25	155.94
9.18	7.47	78.92	162.91
9.20	7.64	78.03	166.40
9.22	7.71	77.14	164.66
9.24	7.79	76.47	165.82
9.26	7.80	80.03	163.50
9.28	7.73	91.14	160.00
9.30	7.59	103.59	155.94
9.32	7.47	110.70	152.45
9.34	7.30	117.14	147.21
9.36	6.97	121.36	138.50
9.38	6.50	122.92	127.45
9.40	5.97	123.36	116.40
9.42	5.39	124.47	105.35
9.44	5.19	127.14	104.77
9.46	5.68	128.03	117.56
9.48	6.26	128.03	132.10
9.50	6.71	125.14	143.73

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Committente AUTOBRENNERO SPA

Località BAGNOLO S.VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 18\05\11

Preforo 0.50 m. p.c. Falda 3.50 ml

Prova **1**

Cert. N. 568/2011

Emesso il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	7.04	120.25	153.03
9.54	7.09	96.47	154.78
9.56	6.92	86.03	149.54
9.58	6.83	86.69	147.21
9.60	6.80	89.80	147.80
9.62	6.85	92.25	150.70
9.64	6.86	102.02	153.61
9.66	6.70	110.91	148.38
9.68	6.46	116.69	143.15
9.70	6.16	118.46	136.75
9.72	5.78	115.35	127.45
9.74	5.32	111.13	117.56
9.76	4.72	107.35	104.77
9.78	3.85	101.35	89.07
9.80	2.89	97.13	72.21
9.82	2.01	94.69	60.00
9.84	1.51	94.91	55.35
9.86	1.23	93.35	54.19
9.88	0.98	87.79	55.93
9.90	0.86	79.79	91.98
9.92	1.17	67.57	168.15
9.94	1.82	59.57	233.27
9.96	2.02	48.46	216.40
9.98	1.92	38.68	178.61
10.00	2.41	26.91	178.61
10.02	3.37	24.69	207.10
10.04	3.64	24.69	193.73
10.06	3.31	17.57	165.82
10.08	2.79	10.02	143.73
10.10	2.36	11.58	128.61
10.12	1.95	13.36	119.30
10.14	2.08	16.25	133.26
10.16	3.24	30.95	118.72
10.18	2.61	35.17	100.70
10.20	1.96	33.84	76.86
10.22	1.51	40.06	63.49
10.24	1.19	44.29	58.84
10.26	1.19	54.73	55.93
10.28	1.11	53.18	77.44
10.30	1.11	48.51	403.04
10.32	1.61	39.18	434.44
10.34	2.66	37.18	520.49
10.36	2.97	27.18	401.88
10.38	2.28	20.29	300.13
10.40	1.59	12.95	260.01
10.42	1.24	10.96	273.97
10.44	1.23	14.07	419.90
10.46	2.58	17.85	606.54
10.48	3.78	20.29	560.61
10.50	4.03	25.18	479.79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	3.75	20.07	405.95
10.54	3.12	16.74	341.41
10.56	2.35	15.85	285.01
10.58	1.48	18.96	251.87
10.60	1.23	16.30	237.92
10.62	1.03	14.97	333.85
10.64	1.54	18.52	591.43
10.66	2.11	15.86	531.54
10.68	1.85	18.97	442.58
10.70	1.36	13.41	382.11
10.72	0.94	10.97	348.39
10.74	0.82	12.52	321.06
10.76	0.66	15.86	308.85
10.78	0.67	17.86	333.85
10.80	0.69	20.97	350.71
10.82	0.67	20.97	337.34
10.84	0.70	18.75	340.83
10.86	0.71	14.75	351.88
10.88	0.96	14.75	342.00
10.90	0.82	10.97	340.25
10.92	0.82	11.20	332.69
10.94	0.77	12.75	319.90
10.96	0.94	11.42	344.32
10.98	1.07	12.98	351.88
11.00	1.05	14.76	318.74
11.02	0.84	15.42	261.18
11.04	0.71	14.76	250.71
11.06	0.62	13.87	259.43
11.08	0.61	14.76	287.92
11.10	0.61	14.09	315.25
11.12	0.70	14.09	349.55
11.14	0.95	14.33	419.90
11.16	1.22	16.55	451.89
11.18	1.38	22.33	494.91
11.20	1.40	29.67	543.17
11.22	1.35	41.89	560.61
11.24	1.22	53.00	589.68
11.26	1.11	57.22	638.52
11.28	1.08	61.00	628.06
11.30	1.02	65.89	597.24
11.32	0.99	65.00	598.99
11.34	1.01	57.22	583.29
11.36	1.02	49.89	564.10
11.38	1.13	42.33	564.68
11.40	1.33	35.67	572.82
11.42	1.53	31.00	547.82
11.44	1.63	31.89	501.89
11.46	1.65	32.77	487.35
11.48	1.61	35.00	447.81
11.50	1.55	39.44	419.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	1.57	41.22	416.42
11.54	1.50	42.11	400.72
11.56	1.51	39.89	392.00
11.58	1.70	41.89	414.67
11.60	1.91	43.44	435.02
11.62	1.88	46.55	391.41
11.64	1.75	49.00	354.79
11.66	1.61	49.66	344.32
11.68	1.46	48.11	343.16
11.70	1.33	45.00	335.60
11.72	1.23	41.66	335.02
11.74	1.16	37.00	341.41
11.76	1.19	31.00	365.25
11.78	1.25	26.33	386.76
11.80	1.26	23.22	388.51
11.82	1.23	21.22	391.41
11.84	1.26	19.22	397.81
11.86	1.34	18.33	413.51
11.88	1.44	18.33	425.14
11.90	1.67	20.33	437.93
11.92	2.00	24.11	462.35
11.94	2.32	28.33	459.44
11.96	2.48	35.22	422.23
11.98	2.57	44.55	397.23
12.00	2.66	53.22	386.76
12.02	2.76	62.78	368.74
12.04	2.78	70.33	340.25
12.06	2.81	77.22	322.80
12.08	2.82	79.89	311.18
12.10	2.87	82.78	301.88
12.12	3.13	45.89	365.25
12.14	3.02	56.56	320.48
12.16	2.95	68.78	293.73
12.18	2.95	75.01	276.29
12.20	3.24	77.23	290.25
12.22	3.74	81.89	323.39
12.24	3.99	77.89	326.30
12.26	4.41	77.45	343.16
12.28	4.82	77.89	359.44
12.30	4.93	70.78	363.50
12.32	4.93	54.78	353.04
12.34	5.01	55.89	350.13
12.36	5.00	64.11	337.34
12.38	4.37	62.11	274.55
12.40	3.54	51.89	228.61
12.42	2.82	55.22	200.70
12.44	2.36	33.89	187.33
12.46	2.22	40.78	186.75
12.48	2.25	51.66	203.61
12.50	2.30	60.33	217.57

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Committente AUTOBRENNERO SPA  
 Località BAGNOLO S.VITO - MN -  
 Cantiere SOVRAPASSO N° 112  
 Data 18\05\11  
 Preforo 0.50 m. p.c.

Prova 1  
 Cert. N. 568/2011  
 Emesso il 18/05/11

Falda 3.50 ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	2.45	64.55	226.87
12.54	2.54	65.89	232.10
12.56	2.87	62.11	253.62
12.58	3.50	60.11	293.73
12.60	4.15	59.22	331.53
12.62	4.64	54.55	355.37
12.64	5.09	49.22	377.46
12.66	5.42	47.88	392.00
12.68	5.54	39.21	396.07
12.70	5.82	33.66	421.07
12.72	6.15	36.32	447.81
12.74	6.36	40.10	460.02
12.76	6.44	42.99	465.84
12.78	6.35	51.88	445.49
12.80	6.60	56.10	478.05
12.82	6.47	43.21	463.51
12.84	6.33	38.32	454.21
12.86	6.20	39.21	455.37
12.88	6.31	43.65	484.44
12.90	6.11	48.32	454.79
12.92	5.69	52.10	419.90
12.94	5.46	48.32	412.93
12.96	5.52	49.87	432.11
12.98	5.81	56.76	474.56
13.00	5.74	65.21	476.89
13.02	5.58	68.98	459.44
13.04	5.45	74.10	431.53
13.06	4.50	63.87	344.90
13.08	3.66	53.87	302.46
13.10	2.95	46.76	271.06
13.12	2.34	57.87	320.48
13.14	2.05	67.43	298.97
13.16	1.84	74.76	271.64
13.18	2.04	76.54	333.85
13.20	3.50	76.54	486.77
13.22	4.97	71.20	528.05
13.24	5.53	52.98	558.29
13.26	6.23	38.53	610.61
13.28	7.34	38.53	705.97
13.30	8.17	44.76	759.46
13.32	8.47	53.42	757.13
13.34	8.54	48.31	742.60
13.36	8.47	54.31	723.41
13.38	8.40	63.42	707.71
13.40	8.24	72.76	682.13
13.42	7.97	80.53	656.55
13.44	7.64	90.09	611.78
13.46	7.63	96.09	619.33
13.48	7.68	97.64	646.66
13.50	7.86	97.42	673.99

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	8.30	92.75	730.39
13.54	9.22	91.64	846.68
13.56	10.62	88.53	1037.96
13.58	12.26	82.30	1279.26
13.60	13.68	86.53	1485.08
13.62	14.83	92.52	976.33
13.64	15.29	98.08	615.27
13.66	15.05	106.74	494.33
13.68	14.45	116.07	385.60
13.70	13.88	125.18	324.55
13.72	13.38	131.40	281.52
13.74	12.83	136.51	259.43
13.76	12.27	141.84	245.48
13.78	11.83	145.62	244.90
13.80	11.69	146.73	253.62
13.82	11.94	147.84	279.78
13.84	12.70	145.39	326.30
13.86	13.31	144.94	336.76
13.88	13.62	146.50	308.27
13.90	13.93	147.61	310.60
13.92	14.09	146.05	288.50
13.94	14.03	143.60	271.06
13.96	13.61	143.16	262.34
13.98	13.26	145.60	255.94
14.00	13.16	141.60	262.34
14.02	13.14	136.70	269.31
14.04	13.06	135.37	273.39
14.06	13.18	133.37	286.76
14.08	13.49	132.92	292.57
14.10	13.79	131.36	304.20
14.12	13.89	129.13	423.40
14.14	14.15	136.47	367.00
14.16	14.15	142.25	323.97
14.18	14.07	148.91	305.36
14.20	13.98	156.47	290.83
14.22	14.01	160.69	283.27
14.24	14.14	163.80	288.50
14.26	14.50	168.24	296.64
14.28	15.19	170.91	324.55
14.30	16.38	173.13	361.18
14.32	17.64	174.90	364.67
14.34	17.66	177.34	282.10
14.36	16.81	183.34	232.10
14.38	15.38	185.78	178.03
14.40	13.69	184.22	136.17
14.42	12.45	183.56	116.98
14.44	11.40	180.66	105.35
14.46	10.69	174.22	100.70
14.48	10.14	162.21	97.80
14.50	9.68	147.99	98.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	9.40	137.54	103.03
14.54	9.20	131.77	107.68
14.56	9.03	125.54	111.17
14.58	8.90	115.32	116.40
14.60	8.80	106.65	120.47
14.62	8.83	99.98	128.03
14.64	8.95	95.09	137.91
14.66	9.21	88.87	154.19
14.68	9.54	80.87	172.22
14.70	9.84	75.53	183.85
14.72	9.99	71.09	189.66
14.74	10.04	70.20	194.89
14.76	10.26	72.87	201.29
14.78	10.63	79.98	212.33
14.80	11.05	89.53	224.55
14.82	11.36	98.64	236.18
14.84	11.49	109.09	237.92
14.86	11.63	117.98	236.76
14.88	11.78	121.53	234.43
14.90	11.79	123.31	229.78
14.92	11.84	120.65	220.48
14.94	11.89	116.65	214.08
14.96	11.88	111.98	208.85
14.98	11.77	108.42	198.38
15.00	11.63	107.09	194.89
15.02	11.65	104.65	198.96
15.04	11.90	102.42	206.52
15.06	12.33	102.87	222.80
15.08	12.81	103.09	232.69
15.10	13.31	92.45	207.10
15.12	13.65	93.78	198.38
15.14	13.73	95.56	191.99
15.16	13.70	98.01	182.10
15.18	13.63	101.12	175.70
15.20	13.55	104.45	170.47
15.22	13.67	107.56	175.12
15.24	13.97	111.78	187.91
15.26	14.42	113.56	203.61
15.28	14.86	115.34	218.73
15.30	15.22	116.45	224.55
15.32	15.26	116.89	216.40
15.34	15.16	118.00	211.17
15.36	14.97	123.78	204.20
15.38	14.73	130.67	198.96
15.40	14.54	140.44	196.64
15.42	14.32	150.00	195.48
15.44	14.19	156.44	196.06
15.46	13.96	159.77	194.31
15.48	13.70	159.99	189.66
15.50	13.49	158.66	190.24



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Committente AUTOBRENNERO SPA

Località BAGNOLO S.VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 18\05\11

Preforo 0.50 m. p.c. Falda 3.50 ml

Prova 1

Cert. N. 568/2011

Emissa il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	13.35	157.10	194.31
15.54	13.32	152.43	200.12
15.56	13.20	147.09	203.03
15.58	12.81	144.65	193.15
15.60	12.53	142.42	190.82
15.62	12.46	139.98	199.54
15.64	12.61	137.31	211.75
15.66	12.83	133.75	222.22
15.68	13.07	129.08	230.36
15.70	13.20	126.86	229.78
15.72	13.33	123.75	233.85
15.74	13.44	121.97	231.52
15.76	13.44	121.97	232.10
15.78	13.49	125.30	237.92
15.80	13.53	129.30	239.66
15.82	13.39	134.85	230.36
15.84	13.09	142.41	218.15
15.86	12.90	146.63	214.66
15.88	13.21	147.07	230.94
15.90	13.95	145.52	264.66
15.92	14.57	143.74	268.73
15.94	14.70	145.29	252.45
15.96	14.46	142.85	230.36
15.98	13.87	136.62	201.87
16.00	13.00	132.84	173.96
16.02	11.93	129.95	143.73
16.04	11.09	127.51	126.29
16.06	10.68	124.40	125.12
16.08	10.85	120.17	137.33
16.10	11.36	104.45	130.35
16.12	12.13	96.45	130.93
16.14	12.65	90.01	132.10
16.16	13.04	83.79	134.42
16.18	13.29	80.01	133.26
16.20	13.66	79.79	138.50
16.22	14.08	82.45	146.05
16.24	14.55	86.67	153.03
16.26	15.01	92.67	160.00
16.28	15.49	98.01	165.82
16.30	15.67	101.34	161.17
16.32	15.59	103.78	155.36
16.34	15.32	105.56	148.96
16.36	14.92	105.56	140.82
16.38	14.48	106.00	132.10
16.40	14.07	104.89	126.29
16.42	13.78	105.55	126.29
16.44	13.81	104.89	136.75
16.46	14.17	102.22	154.78
16.48	14.58	100.66	168.73
16.50	14.94	99.55	175.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	14.96	100.88	170.47
16.54	14.62	101.99	158.84
16.56	13.84	103.77	141.98
16.58	13.08	107.10	131.52
16.60	12.39	110.88	121.63
16.62	11.54	113.99	107.68
16.64	10.62	113.32	94.89
16.66	9.79	109.10	85.59
16.68	9.23	103.09	82.10
16.70	8.85	97.98	82.10
16.72	8.60	91.54	83.26
16.74	8.45	84.87	85.59
16.76	8.36	77.31	89.65
16.78	8.27	71.09	90.82
16.80	8.12	66.20	91.40
16.82	8.01	63.31	91.98
16.84	8.00	61.53	94.30
16.86	8.12	60.64	99.54
16.88	8.42	60.42	108.84
16.90	8.75	60.20	116.40
16.92	9.01	61.31	122.80
16.94	9.29	63.09	129.77
16.96	9.63	64.20	137.33
16.98	9.97	65.53	143.73
17.00	10.11	67.31	144.89
17.02	10.04	70.42	139.08
17.04	9.79	73.97	129.77
17.06	9.19	77.09	110.00
17.08	8.33	77.98	89.07
17.10	7.47	71.56	133.84
17.12	7.20	69.78	116.98
17.14	6.94	67.56	105.93
17.16	6.77	63.34	98.38
17.18	6.65	58.90	93.14
17.20	6.52	53.12	87.91
17.22	6.44	47.34	83.84
17.24	6.41	44.23	82.10
17.26	6.41	41.79	80.35
17.28	6.39	41.12	78.02
17.30	6.41	41.79	77.44
17.32	6.52	41.79	78.60
17.34	6.56	41.79	78.02
17.36	6.67	41.12	79.19
17.38	6.88	40.90	82.68
17.40	7.11	41.57	86.17
17.42	7.28	41.57	88.49
17.44	7.40	42.02	88.49
17.46	7.47	43.13	88.49
17.48	7.53	44.46	87.33
17.50	7.66	45.79	89.65

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	7.84	47.13	92.56
17.54	8.03	48.46	95.47
17.56	8.23	49.57	98.38
17.58	8.44	50.46	103.61
17.60	8.83	50.91	112.33
17.62	9.41	51.57	126.87
17.64	10.12	52.02	143.73
17.66	10.90	52.91	162.33
17.68	11.85	55.13	188.50
17.70	12.86	57.13	211.17
17.72	13.65	60.69	197.22
17.74	14.03	64.46	173.96
17.76	14.10	70.02	160.00
17.78	13.89	76.24	148.96
17.80	13.53	81.80	139.08
17.82	12.98	87.35	128.03
17.84	12.34	91.13	116.98
17.86	11.69	92.24	108.26
17.88	11.03	91.13	98.96
17.90	10.41	88.69	91.98
17.92	9.81	84.02	85.59
17.94	9.37	77.79	83.26
17.96	9.02	70.68	82.68
17.98	8.79	64.02	84.42
18.00	8.62	58.46	86.75
18.02	8.51	53.35	90.23
18.04	8.46	48.90	94.30
18.06	8.42	44.68	98.96
18.08	8.31	41.80	143.15
18.10	8.47	37.58	136.75
18.12	8.72	36.69	137.91
18.14	9.16	35.80	141.98
18.16	9.81	35.14	146.63
18.18	10.68	36.25	152.45
18.20	11.78	38.03	162.33
18.22	12.87	39.58	164.66
18.24	13.40	43.14	151.29
18.26	13.44	49.36	148.38
18.28	13.70	56.47	154.78
18.30	14.10	64.47	165.82
18.32	14.61	71.36	176.29
18.34	15.00	78.03	185.01
18.36	15.57	84.25	203.61
18.38	16.23	89.58	222.22
18.40	16.96	93.58	215.24
18.42	17.79	97.36	238.50
18.44	18.96	101.36	276.88
18.46	20.51	105.58	357.11
18.48	21.78	108.02	436.77
18.50	22.68	113.13	507.12

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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S.VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Data **18\05\11**  
 Preforo **0.50 m. p.c.**

Falda **3.50 ml**

Prova **1**  
 Cert. N. 568/2011  
 Emesso il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	23.51	122.02	579.22
18.54	24.36	131.79	669.92
18.56	25.07	144.24	748.41
18.58	25.55	158.46	506.54
18.60	25.68	176.68	450.14
18.62	25.54	195.78	414.67
18.64	25.37	210.45	397.23
18.66	25.19	223.78	392.58
18.68	24.91	232.22	381.53
18.70	24.59	239.33	366.41
18.72	24.46	241.99	364.09
18.74	24.44	238.43	354.79
18.76	24.43	230.20	337.34
18.78	24.51	224.42	300.13
18.80	24.66	219.75	336.18
18.82	24.80	217.08	345.48
18.84	25.09	212.85	356.53
18.86	25.47	208.63	362.34
18.88	26.10	202.40	397.81
18.90	26.51	200.17	372.81
18.92	26.58	199.50	344.90
18.94	26.42	206.83	357.69
18.96	26.51	208.16	379.20
18.98	26.46	211.71	383.86
19.00	26.40	216.37	374.55
19.02	26.27	222.37	381.53
19.04	25.99	229.69	346.06
19.06	24.97	236.13	618.75
19.08	25.38	224.80	407.11
19.10	25.16	230.14	333.27
19.12	25.00	234.80	303.62
19.14	25.02	236.80	297.22
19.16	24.75	236.13	271.06
19.18	24.40	237.02	260.60
19.20	24.07	240.58	250.13
19.22	23.80	244.57	247.80
19.24	23.63	247.24	259.43
19.26	23.44	252.12	268.73
19.28	23.48	253.01	292.57
19.30	23.43	254.12	307.69
19.32	23.49	253.00	326.88
19.34	22.97	264.11	314.09
19.36	23.13	264.10	358.86
19.38	22.97	260.32	361.76
19.40	22.67	256.99	329.20
19.42	22.53	255.65	311.18
19.44	22.36	258.76	297.22
19.46	22.05	262.54	280.36
19.48	22.17	261.87	280.94
19.50	21.98	264.98	272.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	21.21	272.31	233.85
19.54	21.25	268.53	225.71
19.56	21.22	267.87	218.15
19.58	21.62	260.53	222.22
19.60	21.62	258.98	210.01
19.62	21.62	254.31	192.57
19.64	21.50	249.65	170.47
19.66	21.32	246.54	147.80
19.68	21.43	239.20	141.98
19.70	21.29	236.32	116.40
19.72	20.95	232.10	90.82
19.74	20.74	222.55	78.02
19.76	20.72	212.99	74.54
19.78	20.20	207.88	59.42
19.80	19.86	201.89	50.12
19.82	19.54	199.00	46.05
19.84	19.16	196.34	45.47
19.86	18.99	190.79	40.23
19.88	18.56	186.34	37.32
19.90	18.40	180.57	39.65
19.92	17.78	177.46	35.00
19.94	17.50	174.35	35.00
19.96	17.19	168.13	39.07
19.98	17.22	159.91	40.23
20.00	17.16	154.80	42.56
20.02	17.18	153.46	47.21
20.04	17.55	150.80	53.02
20.06	18.04	139.28	205.94
20.08	18.71	137.73	194.31
20.10	19.34	137.29	193.73
20.12	18.86	146.40	149.54
20.14	19.57	141.73	160.59
20.16	19.40	145.95	144.31
20.18	19.19	148.85	135.00
20.20	18.69	155.07	123.96
20.22	18.30	158.40	116.98
20.24	18.04	158.62	118.72
20.26	17.42	159.73	112.33
20.28	17.22	155.07	120.47
20.30	16.76	149.51	114.08
20.32	16.46	142.62	114.66
20.34	16.51	134.40	119.89
20.36	17.29	126.18	150.12
20.38	19.33	119.51	229.78
20.40	21.63	116.84	291.41
20.42	22.81	114.40	301.88
20.44	23.24	112.40	294.90
20.46	23.10	116.40	281.52
20.48	23.10	123.07	264.66
20.50	22.88	135.51	253.62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	23.24	148.85	277.46
20.54	23.11	167.07	274.55
20.56	23.17	178.40	282.69
20.58	22.95	189.07	279.20
20.60	23.03	196.40	293.73
20.62	22.94	201.51	296.64
20.64	22.98	201.06	311.18
20.66	22.74	200.17	304.20
20.68	22.45	198.17	301.30
20.70	22.17	198.17	295.48
20.72	21.72	200.17	278.62
20.74	21.78	196.61	305.36
20.76	21.70	194.17	308.85
20.78	21.60	192.16	315.25
20.80	21.56	188.38	326.30
20.82	21.44	184.60	330.37
20.84	21.37	182.38	340.83
20.86	21.34	181.93	350.71
20.88	21.31	178.38	362.34
20.90	21.35	174.82	378.62
20.92	21.46	175.26	404.79
20.94	21.59	175.26	429.21
20.96	21.69	174.59	448.98
20.98	21.73	172.15	463.51
21.00	21.61	171.26	468.75
21.02	21.48	169.70	479.79
21.04	21.33	168.14	482.70
21.06	20.94	155.28	352.46
21.08	20.90	154.61	191.99
21.10	20.71	155.72	183.26
21.12	20.54	154.61	179.20
21.14	20.53	152.39	178.61
21.16	20.33	150.17	173.38
21.18	20.15	147.05	172.80
21.20	19.79	146.39	165.82
21.22	19.42	146.16	161.75
21.24	18.89	142.38	151.29
21.26	18.35	139.72	141.98
21.28	17.80	136.83	137.91
21.30	17.24	134.16	132.10
21.32	16.69	129.49	128.03
21.34	15.96	125.27	121.63
21.36	15.25	118.82	113.49
21.38	14.50	111.49	107.68
21.40	13.49	104.60	98.96
21.42	12.47	97.26	89.65
21.44	11.51	90.59	88.49
21.46	10.96	83.70	91.98
21.48	10.63	77.04	100.12
21.50	10.43	70.15	110.00

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S.VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Data **18\05\11**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **568/2011**  
 Emesso il **18/05/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	10.17	62.81	110.00
21.54	9.71	56.81	104.77
21.56	9.49	51.92	108.84
21.58	9.40	47.26	114.66
21.60	9.51	43.26	133.84
21.62	9.18	42.81	125.70
21.64	9.16	42.37	126.29
21.66	8.98	40.37	121.05
21.68	8.94	38.15	118.14
21.70	8.69	36.59	110.59
21.72	8.52	35.04	105.93
21.74	8.34	35.04	103.61
21.76	8.43	31.04	104.19
21.78	8.62	30.82	108.84
21.80	8.92	30.60	115.82
21.82	9.35	30.60	125.70
21.84	9.84	31.05	135.59
21.86	10.21	31.27	141.98
21.88	10.35	35.49	141.40
21.90	10.18	37.05	131.52
21.92	9.73	38.61	105.93
21.94	9.18	39.50	85.59
21.96	8.77	42.17	118.72
21.98	8.45	52.84	123.96
22.00	8.27	55.50	130.93
22.02	8.19	53.73	123.38
22.04	7.89	48.44	214.66
22.06	8.19	47.77	187.91
22.08	8.28	51.55	172.22
22.10	8.29	54.66	157.68
22.12	8.25	53.11	145.47
22.14	8.23	49.78	137.91
22.16	7.99	48.89	125.12
22.18	7.52	49.33	111.17
22.20	6.99	49.33	96.63
22.22	6.38	49.33	87.91
22.24	5.90	49.55	83.84
22.26	5.65	49.33	86.17
22.28	5.36	51.55	86.17
22.30	4.82	57.78	83.26
22.32	4.14	73.78	87.33
22.34	4.59	94.67	125.12
22.36	6.24	119.55	196.06
22.38	8.08	120.67	242.57
22.40	9.45	109.11	267.57
22.42	10.02	97.33	212.33
22.44	10.28	88.22	182.68
22.46	10.47	72.89	172.22
22.48	10.76	64.89	176.29
22.50	11.04	55.78	180.36

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	11.31	48.44	186.17
22.54	11.72	48.44	198.96
22.56	12.42	53.78	228.03
22.58	13.45	56.45	272.22
22.60	14.57	57.56	313.50
22.62	15.64	58.45	345.48
22.64	16.49	60.67	360.60
22.66	16.88	63.11	353.04
22.68	16.83	67.33	321.64
22.70	16.54	72.89	296.06
22.72	16.13	78.89	272.22
22.74	15.61	84.89	248.39
22.76	15.14	89.78	235.01
22.78	14.85	93.33	233.85
22.80	14.79	95.11	246.06
22.82	14.65	94.89	246.64
22.84	14.26	93.11	236.18
22.86	13.92	90.22	231.52
22.88	13.52	86.44	222.22
22.90	12.92	83.33	205.36
22.92	12.33	80.44	192.57
22.94	11.78	78.44	179.78
22.96	11.23	76.21	170.47
22.98	10.83	73.10	168.73
23.00	10.54	69.99	169.89
23.02	10.25	67.54	170.47
23.04	9.93	65.76	168.15
23.06	9.48	65.11	210.59
23.08	9.14	64.45	184.43
23.10	8.84	65.33	166.99
23.12	8.55	66.67	153.61
23.14	8.34	68.67	144.31
23.16	8.16	68.67	138.50
23.18	8.06	68.22	136.75
23.20	8.12	67.78	140.24
23.22	8.25	66.45	146.63
23.24	8.42	64.45	151.29
23.26	8.62	62.45	158.26
23.28	8.92	60.89	166.40
23.30	9.30	59.56	178.03
23.32	9.50	57.78	178.03
23.34	9.36	57.78	163.50
23.36	9.09	59.11	151.29
23.38	9.00	60.67	147.21
23.40	8.96	63.11	143.73
23.42	9.01	64.45	146.63
23.44	9.04	66.45	147.80
23.46	9.15	66.89	151.87
23.48	9.33	64.89	158.84
23.50	9.54	63.11	165.82

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	9.70	60.89	169.89
23.54	9.76	59.34	170.47
23.56	9.88	58.45	172.80
23.58	9.95	58.00	173.38
23.60	10.10	59.11	177.45
23.62	10.27	60.45	182.10
23.64	10.34	61.78	183.85
23.66	10.29	63.11	179.78
23.68	10.26	65.11	177.45
23.70	10.31	65.56	179.20
23.72	10.36	65.34	182.10
23.74	10.42	64.89	185.59
23.76	10.53	65.78	190.24
23.78	10.84	66.67	203.03
23.80	11.17	66.22	215.82
23.82	11.32	65.56	217.57
23.84	10.94	65.78	191.40
23.86	10.23	66.67	164.66
23.88	9.61	67.78	148.38
23.90	9.15	68.89	140.82
23.92	8.77	70.00	136.17
23.94	8.44	70.00	132.68
23.96	8.13	68.89	130.35
23.98	7.87	66.22	130.35
24.00	7.52	62.45	127.45
24.02	6.97	58.89	118.72
24.04	5.65	52.92	184.43
24.06	5.32	60.25	172.80
24.08	6.20	61.36	217.57
24.10	7.54	68.03	242.57
24.12	8.57	80.47	245.48
24.14	9.29	72.69	199.54
24.16	9.71	70.03	168.15
24.18	10.04	70.03	164.66
24.20	10.60	60.25	186.75
24.22	11.39	57.58	223.38
24.24	12.13	53.14	256.52
24.26	12.51	49.14	264.66
24.28	12.59	52.03	258.85
24.30	12.62	60.25	253.03
24.32	12.72	65.81	257.10
24.34	13.18	70.47	278.62
24.36	13.49	75.14	292.57
24.38	13.47	79.81	284.43
24.40	13.27	84.03	272.22
24.42	13.08	87.36	264.08
24.44	12.95	87.58	264.08
24.46	12.89	86.69	266.99
24.48	12.87	87.58	274.55
24.50	13.10	87.80	301.30

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Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S.VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Data **18\05\11**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **568/2011**  
 Emesso il **18/05/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	13.66	87.58	343.74
24.54	14.24	87.58	378.04
24.56	14.62	88.47	403.62
24.58	15.15	88.46	447.81
24.60	15.79	89.57	496.65
24.62	16.40	93.13	548.40
24.64	16.66	98.02	563.52
24.66	16.95	104.46	600.73
24.68	17.33	110.90	642.59
24.70	17.61	119.79	675.15
24.72	17.68	130.45	693.76
24.74	17.71	141.34	706.55
24.76	17.68	152.45	725.16
24.78	17.67	164.00	748.41
24.80	17.85	174.89	793.18
24.82	18.02	184.22	841.44
24.84	18.19	186.88	889.70
24.86	18.41	188.88	950.17
24.88	18.51	190.88	987.96
24.90	18.40	193.10	1000.17
24.92	18.27	194.43	1030.40
24.94	18.32	197.98	1060.64
24.96	18.42	199.09	1119.95
24.98	18.50	201.31	1169.37
25.00	18.45	203.75	1205.41
25.02	18.19	191.97	1269.37
25.04	18.20	194.42	1218.79
25.06	18.14	196.86	669.34
25.08	18.02	199.31	476.89
25.10	17.94	201.30	395.49
25.12	17.94	199.53	367.00
25.14	18.02	199.97	354.79
25.16	18.14	201.74	363.50
25.18	18.14	201.96	354.20
25.20	18.09	202.85	352.46
25.22	17.95	205.29	348.39
25.24	17.65	206.18	337.34
25.26	17.25	207.51	325.13
25.28	16.97	208.62	325.13
25.30	16.94	210.17	348.39
25.32	17.37	209.95	398.98
25.34	17.84	205.06	412.93
25.36	18.05	201.28	401.30
25.38	17.95	197.50	376.30
25.40	17.81	193.05	367.00
25.42	17.58	191.71	346.65
25.44	17.03	191.27	311.18
25.46	16.33	191.71	285.60
25.48	15.55	191.71	260.60
25.50	14.50	187.26	218.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	13.41	181.48	179.20
25.54	12.42	172.81	158.84
25.56	11.73	157.70	152.45
25.58	11.20	141.48	151.87
25.60	10.82	126.81	153.03
25.62	10.56	113.47	155.94
25.64	10.37	101.03	160.59
25.66	10.22	89.03	164.08
25.68	10.18	80.36	171.05
25.70	10.15	73.47	175.70
25.72	10.19	68.58	183.26
25.74	10.34	65.25	192.57
25.76	9.95	68.14	166.40
25.78	10.55	61.25	196.64
25.80	10.71	58.81	200.70
25.82	10.90	58.15	204.20
25.84	11.16	58.15	208.85
25.86	11.50	58.82	218.73
25.88	12.00	59.48	239.66
25.90	12.77	60.37	271.06
25.92	13.55	61.71	302.46
25.94	14.53	63.04	349.55
25.96	15.40	66.38	344.32
25.98	16.21	70.16	349.55
26.00	16.87	74.83	345.48
26.02	17.15	71.54	260.60
26.04	17.23	80.21	236.76
26.06	17.05	87.32	218.73
26.08	16.58	96.88	186.75
26.10	16.06	105.10	161.17
26.12	15.54	112.88	140.82
26.14	15.15	119.77	131.52
26.16	14.91	125.77	132.68
26.18	14.79	126.43	136.17
26.20	14.60	126.21	133.26
26.22	14.40	124.21	133.26
26.24	14.13	119.32	132.10
26.26	14.12	112.21	143.15
26.28	14.58	105.54	175.70
26.30	15.34	100.65	221.64
26.32	16.24	96.87	271.06
26.34	16.98	92.20	288.50
26.36	17.25	89.76	281.52
26.38	17.44	89.53	289.09
26.40	17.70	93.76	290.25
26.42	17.77	99.76	285.01
26.44	17.35	105.75	265.83
26.46	16.39	112.20	222.80
26.48	15.17	119.53	180.94
26.50	13.80	124.64	144.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	12.50	127.08	118.72
26.54	11.40	127.75	107.10
26.56	10.58	125.08	107.10
26.58	10.02	119.52	114.08
26.60	9.70	109.08	129.19
26.62	9.70	97.96	148.96
26.64	10.02	85.74	179.20
26.66	10.73	74.85	223.38
26.68	11.86	66.85	265.83
26.70	12.59	61.29	265.25
26.72	12.36	57.96	240.24
26.74	11.83	57.96	212.92
26.76	11.54	59.51	204.20
26.78	11.57	62.40	211.75
26.80	11.87	67.51	228.61
26.82	12.40	73.96	258.85
26.84	12.78	79.29	271.06
26.86	12.35	83.29	234.43
26.88	11.00	89.96	183.26
26.90	9.08	132.40	110.00
26.92	8.26	117.07	124.54
26.94	7.63	85.29	133.26
26.96	7.02	76.62	185.59
26.98	4.74	101.73	228.03
27.00	5.26	166.84	484.44
27.02	11.08	123.33	160.00
27.04	17.04	131.55	379.79
27.06	20.29	134.89	277.46
27.08	20.61	132.00	253.62
27.10	20.57	123.12	221.64
27.12	19.58	104.89	161.75
27.14	18.33	88.23	115.82
27.16	16.69	87.56	75.12
27.18	14.87	78.01	48.95
27.20	12.90	82.23	40.23
27.22	11.29	82.23	39.07
27.24	10.00	81.12	43.14
27.26	9.01	78.89	61.16
27.28	8.17	78.89	100.70
27.30	7.62	94.45	129.77
27.32	7.86	96.00	151.29
27.34	7.56	105.11	147.21
27.36	7.90	139.78	144.31
27.38	9.19	141.55	223.38
27.40	9.26	158.21	207.10
27.42	9.38	132.66	191.40
27.44	9.12	105.10	163.50
27.46	9.03	115.55	198.96
27.48	7.40	126.44	108.26
27.50	5.33	188.88	90.23

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S.VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **18\05\11**

Preforo **0.50 m. p.c.** Falda **3.50 ml**

Prova **1**

Cert. N. **568/2011**

Emesso il **18/05/11**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	4.41	204.21	81.51
27.54	3.42	206.88	131.52
27.56	2.97	218.43	596.08
27.58	2.67	224.65	1100.18
27.60	2.42	210.65	1203.09
27.62	2.17	174.20	1143.79
27.64	2.00	158.87	1082.73
27.66	1.82	152.20	1042.61
27.68	1.70	116.87	1128.67
27.70	1.67	87.31	1164.13
27.72	1.62	71.09	1175.18
27.74	1.58	57.09	1167.62
27.76	1.56	45.97	1168.20
27.78	1.54	34.20	1168.79
27.80	1.50	25.75	1173.44
27.82	1.49	19.75	1133.32
27.84	1.43	20.20	1086.22
27.86	1.32	19.75	1048.43
27.88	1.26	18.42	1032.73
27.90	1.22	15.09	996.10
27.92	1.15	13.54	989.12
27.94	1.13	11.09	965.87
27.96	1.10	10.20	936.80
27.98	1.09	9.32	910.63
28.00	1.18	3.82	815.86
28.02	1.19	3.82	814.70
28.04	1.22	4.27	824.00
28.06	1.29	4.27	860.05
28.08	1.41	4.04	888.54
28.10	1.61	4.05	921.68
28.12	1.76	4.27	932.14
28.14	2.10	6.05	889.12
28.16	2.38	8.72	892.02
28.18	3.11	11.39	922.26
28.20	3.74	17.39	879.23
28.22	4.62	28.28	862.95
28.24	5.82	48.06	813.53
28.26	6.84	62.50	727.48
28.28	7.44	68.73	618.75
28.30	8.07	62.51	583.87
28.32	9.16	56.51	700.73
28.34	22.07	110.95	2285.71
28.36	25.28	123.96	2285.71
28.38	26.63	138.80	2285.71
28.40	28.46	154.99	2285.71
28.42	23.70	166.29	10.58
28.44	21.89	268.96	9.42
28.46	21.24	308.52	32.68
28.48	20.95	311.85	57.10
28.50	21.19	302.51	95.47

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	21.38	260.74	154.19
28.54	20.68	238.06	165.24
28.56	19.33	205.17	132.10
28.58	17.97	201.17	105.35
28.60	18.19	196.71	203.03
28.62	17.68	227.82	357.11
28.64	16.31	258.04	231.52
28.66	16.05	303.14	290.25
28.68	15.82	310.47	344.32
28.70	15.69	316.69	397.23
28.72	15.50	337.13	439.68
28.74	14.54	334.68	407.11
28.76	13.35	278.23	416.42
28.78	12.88	220.22	509.45
28.80	13.51	223.77	648.99
28.82	14.19	281.10	729.80
28.84	15.18	290.87	883.89
28.86	15.75	273.53	1009.48
28.88	16.07	257.97	1114.71
28.90	16.03	213.52	1156.58
28.92	16.10	172.18	1224.02
28.94	16.22	157.73	1294.96
28.96	15.74	130.62	1249.60
28.98	15.41	144.83	636.20
29.00	14.72	160.84	318.74
29.02	14.70	178.17	285.60
29.04	14.44	183.95	243.15
29.06	13.93	189.50	220.48
29.08	13.43	189.72	196.06
29.10	12.92	188.17	182.68
29.12	12.44	193.05	164.66
29.14	12.01	194.17	158.26
29.16	11.87	198.16	164.66
29.18	11.63	206.16	162.91
29.20	11.40	204.83	161.17
29.22	11.15	202.60	155.94
29.24	10.71	199.05	141.40
29.26	10.29	192.60	130.93
29.28	10.01	185.49	129.77
29.30	9.78	184.15	129.19
29.32	9.61	183.04	129.19
29.34	8.96	191.70	112.33
29.36	9.57	185.48	150.70
29.38	9.53	186.81	148.38
29.40	9.65	180.37	154.78
29.42	9.52	176.15	140.82
29.44	9.54	175.48	136.75
29.46	9.49	175.48	122.21
29.48	9.49	175.48	112.33
29.50	9.40	173.48	100.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	9.30	171.70	89.65
29.54	9.05	170.82	72.79
29.56	8.73	168.82	57.68
29.58	8.30	167.04	43.72
29.60	7.85	164.37	38.49
29.62	7.30	163.93	34.42
29.64	6.77	163.93	27.44
29.66	6.28	163.49	17.56
29.68	5.57	159.04	4.77
29.70	4.60	145.49	-7.44
29.72	3.77	132.82	0.70
29.74	3.06	125.49	33.26
29.76	2.45	115.49	129.77
29.78	1.96	100.83	357.69
29.80	1.66	85.05	582.12
29.82	1.57	66.38	913.54
29.84	1.69	50.61	1053.08
29.86	1.80	43.28	1220.53
29.88	1.81	34.17	1187.39
29.90	1.77	32.39	1108.90
29.92	1.75	31.06	1169.37
29.94	1.77	28.84	1170.53
29.96	1.72	29.51	1124.60
29.98	1.74	25.56	1053.08
30.00	1.77	30.23	1120.53
30.02	1.74	29.79	1096.10
30.04	1.69	33.34	1037.38
30.06	1.65	37.35	1082.15
30.08	1.74	36.68	1086.80
30.10	1.90	35.79	1131.58
30.12	2.04	32.24	1035.06
30.14	1.99	38.46	855.40
30.16	1.95	42.91	857.72
30.18	1.97	44.46	875.16
30.20	1.97	47.80	875.75
30.22	1.99	51.36	837.95
30.24	1.94	56.47	793.18
30.26	1.85	59.36	747.83
30.28	1.83	56.47	715.27
30.30	1.72	58.25	708.30
30.32	1.72	57.81	765.86
30.34	1.73	56.03	810.04
30.36	1.71	53.14	854.23
30.38	1.75	50.26	821.09
30.40	1.75	48.48	851.32
30.42	1.76	44.03	866.44
30.44	1.84	41.81	899.00
30.46	2.07	41.15	957.15
30.48	2.53	42.93	993.20
30.50	3.20	46.93	996.68

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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S.VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Data **18\05\11**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **568/2011**  
 Emesso il **18/05/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	3.90	55.15	764.11
30.54	4.28	66.49	547.82
30.56	4.10	72.49	353.62
30.58	3.65	75.60	249.55
30.60	3.36	74.27	228.61
30.62	3.67	78.94	515.84
30.64	4.54	84.27	632.13
30.66	5.32	91.16	497.82
30.68	6.24	97.60	466.42
30.70	6.70	100.71	378.04
30.72	6.62	79.38	288.50
30.74	6.20	60.27	242.57
30.76	5.73	54.27	222.22
30.78	5.24	57.16	208.27
30.80	4.68	65.83	175.12
30.82	4.10	70.05	160.00
30.84	3.59	73.61	179.78
30.86	3.28	74.05	262.92
30.88	3.99	75.61	560.61
30.90	5.69	80.94	882.72
30.92	6.58	81.83	613.52
30.94	6.15	66.72	386.18
30.96	4.85	68.96	434.44
30.98	3.81	76.07	316.41
31.00	3.05	84.07	308.27
31.02	2.45	92.07	329.20
31.04	2.03	98.07	481.54
31.06	2.49	106.07	1100.76
31.08	3.64	98.52	1102.50
31.10	4.69	93.41	939.70
31.12	4.87	85.18	672.25
31.14	6.21	70.29	763.53
31.16	8.59	62.74	930.98
31.18	9.77	66.29	841.44
31.20	9.73	72.52	644.34
31.22	9.13	68.07	494.91
31.24	8.96	85.18	475.14
31.26	9.48	102.29	530.38
31.28	10.06	114.74	563.52
31.30	10.63	121.85	549.56
31.32	11.02	129.18	522.82
31.34	10.84	119.18	468.75
31.36	11.24	98.74	515.26
31.38	12.15	82.29	555.96
31.40	12.12	83.62	481.54
31.42	12.10	103.40	460.60
31.44	12.16	117.18	459.44
31.46	11.93	95.62	450.14
31.48	11.95	111.62	475.14
31.50	12.03	128.06	521.08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	11.95	141.17	532.12
31.54	11.68	150.50	535.61
31.56	11.15	164.94	498.98
31.58	10.56	174.50	477.47
31.60	10.17	177.17	476.30
31.62	10.12	172.27	514.10
31.64	9.77	162.27	487.35
31.66	9.17	151.60	460.02
31.68	8.61	144.93	429.79
31.70	8.02	139.82	391.41
31.72	7.41	125.82	358.86
31.74	6.45	114.70	303.62
31.76	5.06	122.92	214.08
31.78	3.99	133.36	195.48
31.80	3.34	140.03	233.85
31.82	2.68	141.36	278.04
31.84	2.21	144.91	377.46
31.86	1.97	143.13	610.03
31.88	1.89	131.58	767.60
31.90	2.04	112.24	1216.46
31.92	2.41	88.46	1204.25
31.94	2.65	77.79	871.10
31.96	3.61	67.59	403.04
31.98	3.74	63.14	314.09
32.00	4.07	63.14	303.62
32.02	4.78	66.26	339.09
32.04	5.76	71.15	373.97
32.06	6.59	69.81	373.97
32.08	7.06	66.93	345.48
32.10	7.37	61.59	333.85
32.12	7.65	60.70	325.71
32.14	7.59	58.93	280.36
32.16	7.42	60.04	259.43
32.18	7.43	66.70	266.99
32.20	7.49	75.37	275.13
32.22	7.55	81.82	282.10
32.24	7.58	89.59	293.15
32.26	7.61	98.93	300.71
32.28	7.55	108.71	296.64
32.30	7.29	114.26	275.13
32.32	6.87	120.26	255.94
32.34	6.56	137.60	253.62
32.36	6.65	154.93	245.48
32.38	6.54	162.04	200.12
32.40	5.99	156.49	147.80
32.42	5.13	132.04	105.35
32.44	4.52	112.93	98.96
32.46	4.21	110.93	136.17
32.48	4.17	110.48	229.20
32.50	3.92	114.26	256.52

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	3.35	114.26	270.48
32.54	2.73	112.92	204.78
32.56	2.18	105.81	252.45
32.58	1.99	97.37	621.66
32.60	2.01	80.47	955.98
32.62	2.01	66.47	926.33
32.64	1.89	58.92	920.51
32.66	1.76	52.70	937.96
32.68	1.64	45.81	977.50
32.70	1.57	36.70	1060.64
32.72	1.57	30.92	1137.39
32.74	1.61	28.92	1162.39
32.76	1.71	26.03	1210.65
32.78	1.78	24.03	1189.13
32.80	1.83	23.81	1161.23
32.82	1.81	26.26	1090.29
32.84	1.74	29.82	1066.45
32.86	1.67	30.70	1060.06
32.88	1.64	31.37	1097.27
32.90	1.64	31.37	1150.18
32.92	1.65	30.27	1200.76
32.94	1.64	24.97	1131.58
32.96	1.66	27.19	1135.06
32.98	1.67	27.64	1154.83
33.00	1.66	28.30	1175.18
33.02	1.64	28.30	1178.09
33.04	1.62	28.75	1175.76
33.06	1.63	29.42	1172.86
33.08	1.78	28.30	1201.35
33.10	2.56	26.08	1267.05
33.12	4.54	27.19	1242.05
33.14	6.80	34.31	911.80
33.16	7.69	43.20	643.76
33.18	7.75	38.31	489.10
33.20	7.38	40.75	401.88
33.22	6.85	53.87	344.90
33.24	6.38	71.64	316.41
33.26	6.97	92.09	394.90
33.28	8.16	106.98	468.75
33.30	8.59	112.31	408.86
33.32	8.90	117.20	373.39
33.34	9.31	99.65	371.65
33.36	9.37	81.87	344.90
33.38	9.67	64.31	386.76
33.40	10.40	63.42	465.26
33.42	11.20	72.75	533.87
33.44	11.72	86.53	567.59
33.46	12.05	102.31	589.10
33.48	12.17	118.31	592.01
33.50	12.12	126.31	584.45

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**Intergeo** s.p.a.



Committente AUTOBRENNERO SPA

Località BAGNOLO S.VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 18\05\11

Preforo 0.50 m. p.c. Falda 3.50 ml

Prova 1

Cert. N. 568/2011

Emesso il 18/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.52	11.81	127.19	553.63
33.54	11.40	130.08	522.24
33.56	11.11	130.53	518.17
33.58	11.20	128.08	560.03
33.60	11.70	128.52	644.92
33.62	12.62	126.74	760.62
33.64	13.58	118.96	841.44
33.66	14.08	109.85	852.49
33.68	14.09	108.29	814.11
33.70	13.64	115.40	739.69
33.72	13.27	120.51	718.18
33.74	13.19	120.95	735.62
33.76	13.41	123.84	784.46
33.78	13.76	128.28	843.77
33.80	14.20	130.28	908.30
33.82	14.76	126.50	987.38
33.84	15.33	118.94	1051.92
33.86	15.72	115.83	1087.97
33.88	16.01	118.49	1119.95
33.90	16.37	122.27	1162.97
33.92	16.79	127.60	1214.14
33.94	17.15	128.04	1226.35
33.96	17.70	135.82	1252.51
33.98	17.87	143.59	1226.35
34.00	17.09	147.37	1068.20
34.02	15.52	154.70	825.16
34.04	13.94	159.81	619.92
34.06	12.94	163.37	533.29
34.08	12.30	164.70	489.68
34.10	12.01	163.14	494.33
34.12	12.05	158.47	536.77
34.14	12.36	150.92	604.22
34.16	12.76	139.14	682.71
34.18	13.16	128.91	758.88
34.20	13.39	119.58	796.09
34.22	13.29	118.02	793.18
34.24	13.12	119.57	783.30
34.26	13.03	122.24	782.72
34.28	12.89	126.68	775.74
34.30	12.77	132.68	782.72
34.32	12.77	141.79	803.65
34.34	12.83	146.01	835.63
34.36	13.00	144.67	874.00
34.38	13.18	144.67	899.59
34.40	13.54	142.22	957.73
34.42	13.87	142.22	1003.66
34.44	14.05	142.67	1026.33
34.46	14.12	144.67	1022.85
34.48	14.06	149.78	1012.96
34.50	13.96	154.88	992.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.52	13.92	160.22	979.82
34.54	13.90	163.10	979.82
34.56	13.83	166.88	967.61
34.58	13.84	169.32	971.10
34.60	13.90	170.66	975.17
34.62	14.05	171.10	992.03
34.64	14.25	169.32	1011.80
34.66	14.22	169.32	997.26
34.68	13.93	168.87	941.45
34.70	13.49	166.20	875.75
34.72	12.93	163.54	796.09
34.74	12.43	158.87	740.85
34.76	11.99	154.20	688.52
34.78	11.66	148.42	653.64
34.80	11.42	142.42	621.66
34.82	11.22	135.76	600.73
34.84	11.25	130.20	603.06
34.86	11.41	126.42	603.06
34.88	11.34	124.64	573.40
34.90	11.03	125.53	513.51
34.92	6.28	60.03	280.36
34.94	10.18	118.26	369.32
34.96	9.70	121.81	274.55
34.98	9.15	125.82	255.94
35.00	8.90	123.37	240.24
35.02	8.76	120.70	238.50
35.04	8.59	114.93	225.71
35.06	8.51	108.04	224.55
35.08	8.59	101.37	235.59
35.10	8.80	96.92	250.13
35.12	9.10	94.70	266.41
35.14	9.29	94.48	275.71
35.16	9.53	94.48	289.09
35.18	9.71	93.59	294.32
35.20	9.82	94.70	297.80
35.22	9.90	97.59	297.22
35.24	9.89	100.48	291.41
35.26	9.88	100.70	294.32
35.28	9.80	102.48	288.50
35.30	9.65	103.59	278.62
35.32	9.38	104.92	258.27
35.34	9.03	106.70	243.15
35.36	8.81	108.48	236.18
35.38	8.56	110.03	231.52
35.40	8.23	111.15	228.03
35.42	8.03	112.03	226.87
35.44	7.88	111.15	229.20
35.46	7.61	109.81	221.64
35.48	7.40	108.03	218.73
35.50	7.37	105.14	243.73

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.52	7.58	101.81	273.97
35.54	8.08	98.48	320.48
35.56	8.87	95.59	382.11
35.58	10.04	91.36	460.60
35.60	11.28	88.25	541.42
35.62	12.10	87.58	571.66
35.64	12.60	90.25	582.70
35.66	12.92	93.14	586.20
35.68	13.10	94.47	580.38
35.70	12.89	97.14	528.63
35.72	12.99	97.58	539.68
35.74	13.27	98.47	566.42
35.76	13.64	98.69	608.87
35.78	14.07	97.36	650.73
35.80	14.15	96.92	652.48
35.82	14.02	97.36	642.01
35.84	13.76	98.47	610.61
35.86	13.24	100.47	556.54
35.88	12.53	101.36	505.38
35.90	11.99	103.58	482.70
35.92	11.66	107.36	482.12
35.94	11.34	105.15	498.98
35.96	11.18	104.70	443.16
35.98	10.84	104.70	387.35
36.00	10.54	107.15	347.23
36.02	10.35	111.59	333.27
36.04	10.28	113.59	324.55
36.06	10.14	113.59	312.92
36.08	9.85	113.14	297.22
36.10	9.65	112.48	291.99
36.12	9.54	110.70	294.90
36.14	9.46	106.70	297.22
36.16	9.32	101.36	298.97
36.18	9.25	99.59	311.18
36.20	9.28	99.81	321.06
36.22	9.37	99.81	337.92
36.24	9.52	98.25	361.18
36.26	9.50	98.25	355.95
36.28	9.52	98.47	362.92
36.30	9.58	99.58	375.13
36.32	9.74	99.58	393.16
36.34	9.94	99.36	420.49
36.36	10.16	98.46	448.98
36.38	10.48	97.35	482.70
36.40	10.85	96.46	522.82
36.42	11.15	97.57	544.91
36.44	11.38	101.35	560.03
36.46	11.50	106.69	564.68
36.48	11.56	109.57	568.17
36.50	11.69	111.57	586.78

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S.VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Data **18\05\11**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **568/2011**  
 Emesso il **18/05/11**

Falda **3.50 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.52	11.92	113.35	611.78
36.54	12.26	113.35	651.90
36.56	12.75	112.02	710.62
36.58	13.09	109.35	745.50
36.60	13.07	106.90	735.04
36.62	12.80	107.13	698.99
36.64	12.53	108.23	673.41
36.66	12.64	106.90	701.32
36.68	12.94	106.01	750.74
36.70	13.33	106.90	802.49
36.72	13.66	108.01	849.00
36.74	13.75	110.68	857.72
36.76	14.00	109.79	889.12
36.78	14.24	109.34	901.91
36.80	14.36	111.56	897.26
36.82	14.37	115.56	882.72
36.84	14.30	119.56	847.26
36.86	14.01	123.78	786.79
36.88	13.60	130.01	719.34
36.90	12.99	137.34	634.45
36.92	12.35	141.56	555.38
36.94	12.11	132.03	455.37
36.96	11.85	132.03	318.74
36.98	11.61	130.92	294.90
37.00	11.63	127.14	301.88
37.02	11.87	123.14	318.16
37.04	12.13	119.80	334.43
37.06	12.52	116.03	368.74
37.08	13.29	112.47	437.35
37.10	14.10	111.13	485.02
37.12	14.69	109.80	514.68
37.14	15.24	112.46	537.35
37.16	16.06	115.80	590.26
37.18	17.38	117.35	465.26
37.20	18.81	120.46	500.72
37.22	20.18	127.12	522.82
37.24	20.98	134.01	618.75
37.26	21.10	139.35	644.92
37.28	20.52	144.01	612.36
37.30	19.61	150.23	563.52
37.32	18.50	157.34	485.02
37.34	17.62	162.01	461.77
37.36	17.16	162.01	478.63
37.38	16.90	158.23	503.05
37.40	16.83	153.56	546.66
37.42	17.33	147.78	651.90
37.44	18.58	144.22	844.93
37.46	20.17	143.78	1060.06
37.48	21.04	150.22	1178.67
37.50	21.53	157.78	1242.63

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.52	21.62	165.99	1256.00
37.54	21.97	171.77	923.42
37.56	21.98	82.43	490.84
37.58	26.23	91.10	751.90
37.60	29.68	102.21	672.25
37.62	28.97	118.20	489.68
37.64	27.63	136.20	456.53
37.66	26.26	159.76	430.37
37.68	24.88	184.20	412.35
37.70	23.52	201.75	412.93
37.72	22.26	212.19	415.83
37.74	21.25	218.63	439.09
37.76	20.58	213.51	468.16
37.78	20.21	205.28	478.63
37.80	19.79	193.72	476.89
37.82	19.24	179.50	456.53
37.84	18.49	168.83	430.95
37.86	17.89	160.16	431.53
37.88	17.38	157.04	435.02
37.90	16.97	154.15	430.37
37.92	16.86	151.48	458.28
37.94	16.96	150.81	469.91
37.96	17.33	151.03	483.86
37.98	18.04	153.25	502.47
38.00	19.05	155.70	532.70
38.02	19.96	155.03	514.10
38.04	24.43	123.70	1801.96
38.06	23.90	138.59	1754.87
38.08	23.03	164.59	1615.32
38.10	22.40	180.37	1549.62
38.12	21.81	198.15	1497.88
38.14	21.11	209.03	1437.99
38.16	20.27	211.25	1367.05
38.18	19.19	209.92	1257.16
38.20	17.88	215.91	1118.20
38.22	16.66	207.91	995.52
38.24	15.70	197.69	909.47
38.26	15.05	186.57	874.58
38.28	14.43	178.12	839.70
38.30	13.77	169.45	789.11
38.32	13.09	159.45	735.62
38.34	12.54	147.45	702.48
38.36	12.20	137.89	685.04
38.38	12.03	130.56	687.94
38.40	12.03	125.00	701.32
38.42	12.15	119.66	735.62
38.44	12.39	114.33	779.23
38.46	12.86	110.33	844.93
38.48	13.61	107.22	943.77
38.50	14.61	106.11	1069.36

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.52	15.58	109.66	1157.74
38.54	16.75	113.22	1265.89
38.56	17.82	117.22	1358.33
38.58	18.03	127.45	1288.56
38.60	18.17	136.12	1171.69
38.62	18.30	145.24	1043.78
38.64	18.16	156.13	871.68
38.66	18.07	165.70	701.90
38.68	18.06	175.71	525.14
38.70	18.05	184.83	348.97
38.72	18.13	189.72	255.94
38.74	22.56	95.01	1672.30
38.76	23.89	107.24	1820.57
38.78	22.75	124.57	1671.14
38.80	21.25	143.02	1499.62
38.82	20.20	163.24	1385.08
38.84	19.51	180.79	1341.47
38.86	19.06	196.79	1336.24
38.88	18.88	206.57	1368.21
38.90	18.82	208.79	1410.08
38.92	18.94	206.34	1476.36
38.94	19.11	201.89	1540.90
38.96	19.30	196.78	1597.30
38.98	19.50	192.11	1655.44
39.00	19.77	188.11	1671.14
39.02	19.95	186.77	1711.84
39.04	19.94	187.66	1741.49
39.06	19.59	191.22	1711.26
39.08	24.10	128.13	1568.23
39.10	22.31	141.02	1323.45
39.12	20.61	153.47	1092.62
39.14	19.13	166.80	908.89
39.16	17.99	177.25	774.58
39.18	17.31	186.80	713.53
39.20	16.86	191.25	689.69
39.22	16.60	186.58	697.83
39.24	16.47	185.69	714.69
39.26	16.48	182.80	755.97
39.28	16.48	175.91	798.41
39.30	16.42	174.12	829.81
39.32	16.24	173.68	833.88
39.34	16.08	174.79	843.77
39.36	15.94	173.45	861.21
39.38	15.69	173.01	852.49
39.40	15.26	173.45	830.98
39.42	14.62	173.22	778.07
39.44	13.87	169.89	718.76
39.46	13.49	166.11	708.30
39.48	13.59	162.11	754.81
39.50	14.03	156.11	832.14

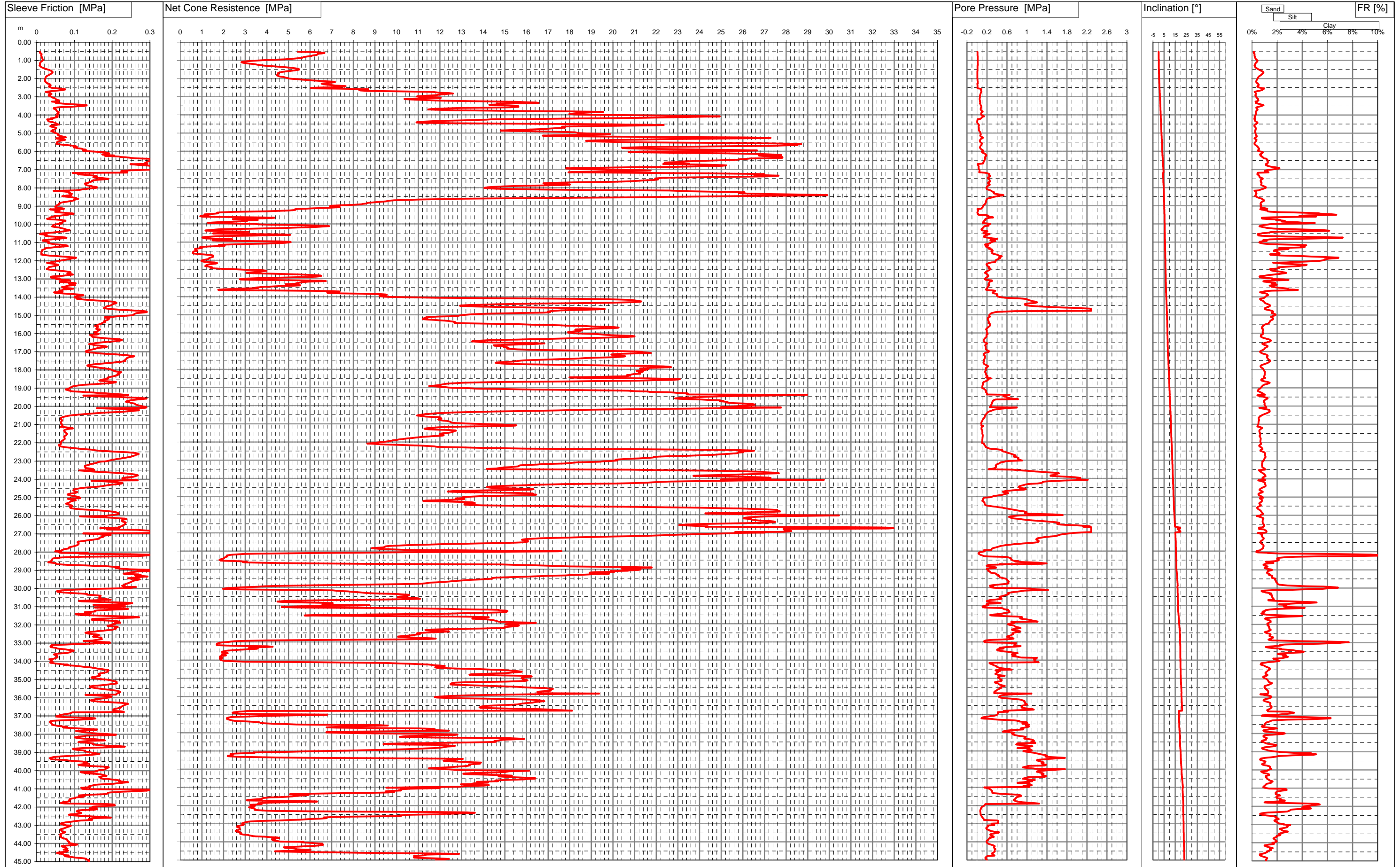




Committente **AUTOBRENNERO SPA**  
 Località **BAGNOLO S. VITO - MN -**  
 Cantiere **SOVRAPASSO N° 112**  
 Operatore **DR. STANZANI**  
 Prova nr. **2** Cert. N. **569/2011**  
 Data **19/05/11** Emesso il **19/05/11**  
 Falda **2.60 ml**  
 Preforo **0.50 m. p.c.**

**MN-CPTU15**

  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19\05\11**

Preforo **0.50 m. p.c. Falda 2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	5.43	8.60	8.25
0.54	6.06	9.04	9.42
0.56	6.41	9.93	10.00
0.58	6.66	8.37	10.58
0.60	6.66	9.71	10.58
0.62	6.52	11.49	10.58
0.64	6.36	12.60	10.58
0.66	6.35	13.27	11.16
0.68	6.34	12.82	11.16
0.70	6.31	12.82	11.74
0.72	6.17	11.71	11.74
0.74	6.10	12.16	11.74
0.76	6.05	12.60	12.32
0.78	5.92	12.82	12.32
0.80	5.78	12.82	12.32
0.82	5.68	13.49	12.90
0.84	5.67	13.93	13.49
0.86	5.63	14.15	14.07
0.88	5.51	14.60	14.07
0.90	5.28	14.82	14.07
0.92	5.09	15.26	14.07
0.94	4.84	16.15	14.07
0.96	4.43	16.15	14.07
0.98	4.04	16.15	13.49
1.00	3.68	16.15	12.90
1.02	3.39	15.26	12.90
1.04	3.14	13.71	12.90
1.06	2.97	12.37	12.90
1.08	2.87	11.26	12.90
1.10	2.82	10.15	12.90
1.12	2.85	9.04	13.49
1.14	2.94	9.26	14.07
1.16	3.06	8.82	14.65
1.18	3.22	8.37	14.65
1.20	3.38	8.37	15.23
1.22	3.48	8.60	15.81
1.24	3.57	8.60	16.40
1.26	3.68	8.82	16.40
1.28	3.82	7.28	10.58
1.30	3.98	8.62	10.00
1.32	4.20	9.73	10.58
1.34	4.46	10.40	10.58
1.36	4.68	11.51	11.16
1.38	4.89	13.29	11.16
1.40	5.05	15.07	11.16
1.42	5.22	17.73	11.16
1.44	5.34	20.85	11.16
1.46	5.44	23.29	11.16
1.48	5.48	26.18	11.16
1.50	5.50	29.52	10.58

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	5.45	32.18	10.58
1.54	5.36	34.63	10.58
1.56	5.24	36.63	10.00
1.58	5.09	39.07	9.42
1.60	4.92	40.63	8.83
1.62	4.79	41.96	8.83
1.64	4.68	42.19	8.25
1.66	4.60	42.41	8.25
1.68	4.54	41.52	8.25
1.70	4.52	39.97	8.25
1.72	4.54	38.63	8.25
1.74	4.52	37.30	8.25
1.76	4.51	35.75	8.25
1.78	4.50	34.41	7.67
1.80	4.49	32.41	7.67
1.82	4.45	30.64	7.67
1.84	4.49	28.86	7.67
1.86	4.54	26.86	7.67
1.88	4.56	25.53	7.67
1.90	4.66	24.86	8.25
1.92	4.79	23.97	8.25
1.94	4.85	23.31	8.25
1.96	4.90	23.09	8.25
1.98	4.98	22.64	8.25
2.00	5.04	22.20	8.25
2.02	5.21	22.65	8.83
2.04	5.40	22.20	9.42
2.06	5.64	21.98	10.00
2.08	5.85	21.54	10.58
2.10	6.07	21.98	11.16
2.12	6.33	22.21	11.74
2.14	6.62	21.99	12.32
2.16	6.90	22.43	12.90
2.18	7.15	23.32	13.49
2.20	7.15	24.66	14.07
2.22	7.02	25.99	14.07
2.24	6.88	26.44	14.65
2.26	6.69	30.21	15.23
2.28	6.53	29.58	8.25
2.30	6.59	32.47	8.25
2.32	6.65	35.81	8.83
2.34	6.83	36.25	9.42
2.36	6.98	37.14	9.42
2.38	7.17	36.70	10.00
2.40	7.42	33.59	10.58
2.42	7.64	32.25	11.16
2.44	7.61	31.81	11.16
2.46	7.34	34.48	10.00
2.48	6.85	36.26	9.42
2.50	6.34	38.48	8.25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	6.03	47.37	8.25
2.54	6.04	59.59	10.00
2.56	7.35	69.81	60.58
2.58	8.70	74.92	86.75
2.60	8.59	75.37	85.59
2.62	8.39	69.37	82.68
2.64	8.27	62.70	80.93
2.66	8.33	52.93	80.93
2.68	8.66	42.26	82.10
2.70	9.69	33.59	86.17
2.72	11.15	23.37	90.82
2.74	11.69	24.70	86.75
2.76	11.81	29.37	82.10
2.78	11.98	33.37	78.02
2.80	12.40	36.93	76.28
2.82	12.61	37.38	74.54
2.84	12.37	39.60	69.89
2.86	12.26	37.16	67.56
2.88	12.03	34.71	65.23
2.90	11.90	31.82	63.49
2.92	11.78	31.38	61.75
2.94	11.49	31.82	60.58
2.96	11.14	35.82	58.84
2.98	10.95	37.38	57.68
3.00	11.03	38.71	57.68
3.02	11.42	40.05	58.84
3.04	11.92	41.16	60.00
3.06	12.04	45.60	59.42
3.08	11.44	47.83	55.93
3.10	10.78	49.60	52.44
3.12	10.36	50.27	51.28
3.14	10.38	51.60	51.28
3.16	10.88	52.94	53.02
3.18	11.25	56.49	55.35
3.20	11.74	60.27	57.68
3.22	12.21	58.49	59.42
3.24	12.90	55.83	62.33
3.26	14.55	40.06	59.42
3.28	15.48	48.51	62.91
3.30	15.96	56.73	64.07
3.32	16.46	55.84	66.40
3.34	16.56	50.29	65.81
3.36	15.64	64.29	61.16
3.38	14.63	70.74	60.00
3.40	14.71	89.62	68.14
3.42	14.80	105.62	71.05
3.44	14.28	120.95	70.47
3.46	14.34	132.73	75.12
3.48	15.18	132.07	79.77
3.50	15.60	123.84	83.84

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	15.62	109.62	85.00
3.54	15.61	92.51	86.75
3.56	15.64	67.84	89.07
3.58	15.25	56.73	88.49
3.60	14.07	46.72	82.10
3.62	13.01	44.94	77.44
3.64	12.33	44.72	75.70
3.66	11.86	46.72	74.54
3.68	11.57	49.38	74.54
3.70	11.46	50.49	75.12
3.72	11.75	51.82	77.44
3.74	12.49	52.27	82.10
3.76	13.68	52.93	89.07
3.78	15.24	53.15	98.96
3.80	17.32	54.71	110.59
3.82	19.08	57.15	116.98
3.84	19.55	58.49	103.61
3.86	19.07	57.59	93.14
3.88	18.71	55.82	88.49
3.90	18.42	55.15	85.59
3.92	18.18	54.26	83.26
3.94	18.08	58.04	82.10
3.96	17.97	55.59	81.51
3.98	18.29	57.15	82.68
4.00	19.29	54.48	86.75
4.02	21.18	53.15	103.03
4.04	22.78	52.70	115.82
4.06	23.89	50.92	126.87
4.08	24.94	51.59	146.63
4.10	24.15	55.59	110.59
4.12	23.23	52.70	105.35
4.14	22.38	49.81	97.21
4.16	21.33	44.03	92.56
4.18	19.96	36.92	86.17
4.20	18.36	39.58	77.44
4.22	16.76	42.03	68.72
4.24	14.43	27.43	11.16
4.26	14.17	28.32	11.16
4.28	13.57	29.88	9.42
4.30	13.01	30.77	8.25
4.32	12.40	30.32	7.09
4.34	11.82	31.21	5.93
4.36	11.43	34.54	5.35
4.38	11.12	39.65	4.77
4.40	10.94	44.10	4.77
4.42	10.92	47.21	4.77
4.44	11.33	50.32	6.51
4.46	12.61	51.87	9.42
4.48	15.03	52.76	16.40
4.50	17.72	54.76	24.53

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	19.93	58.09	30.93
4.54	21.66	52.98	37.32
4.56	22.35	46.76	40.81
4.58	21.79	39.20	39.65
4.60	20.05	36.09	35.58
4.62	18.50	35.86	31.51
4.64	17.66	38.75	30.35
4.66	17.64	44.31	31.51
4.68	17.66	48.30	33.26
4.70	17.79	52.08	35.00
4.72	17.58	51.86	36.16
4.74	17.21	50.30	36.74
4.76	17.00	50.30	37.32
4.78	16.69	49.19	38.49
4.80	16.29	46.74	38.49
4.82	15.77	42.07	39.07
4.84	15.19	42.29	39.65
4.86	14.80	40.07	40.23
4.88	15.28	38.29	44.89
4.90	16.13	40.73	50.70
4.92	17.09	43.39	56.51
4.94	17.80	45.61	61.75
4.96	18.25	49.39	65.23
4.98	18.34	48.05	66.40
5.00	18.37	50.94	68.14
5.02	18.83	54.27	71.63
5.04	19.47	55.83	75.12
5.06	19.87	58.05	78.02
5.08	19.62	58.05	76.28
5.10	18.49	56.71	70.47
5.12	17.22	57.15	65.81
5.14	16.75	60.71	65.23
5.16	17.10	64.93	66.98
5.18	18.16	69.15	72.79
5.20	20.32	74.26	83.26
5.22	23.45	77.15	100.12
5.24	26.05	72.26	115.24
5.26	27.29	66.70	119.89
5.28	26.92	51.60	110.59
5.30	25.31	56.71	94.30
5.32	23.36	64.04	80.93
5.34	22.18	72.49	72.21
5.36	21.15	75.15	66.98
5.38	20.15	71.38	61.75
5.40	19.31	65.82	57.68
5.42	18.76	62.04	56.51
5.44	18.76	57.82	57.68
5.46	19.14	55.81	59.42
5.48	19.69	54.70	62.91
5.50	20.79	53.37	68.72

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	22.24	53.36	76.86
5.54	24.31	52.92	86.75
5.56	26.63	52.03	98.38
5.58	27.82	52.69	100.70
5.60	28.71	56.02	97.21
5.62	28.39	63.13	89.65
5.64	28.34	74.24	87.91
5.66	28.53	83.57	85.59
5.68	27.99	95.79	80.35
5.70	27.28	100.68	75.12
5.72	25.71	105.12	69.89
5.74	23.74	106.90	64.07
5.76	22.25	103.12	61.16
5.78	21.29	98.45	60.00
5.80	20.41	104.22	59.42
5.82	20.42	108.67	62.91
5.84	20.72	116.44	66.98
5.86	21.29	120.21	72.21
5.88	22.21	121.77	79.19
5.90	23.68	129.98	90.23
5.92	24.91	130.87	101.28
5.94	26.06	123.97	113.49
5.96	26.67	122.86	122.80
5.98	25.90	127.53	121.63
6.00	23.41	143.96	107.10
6.02	21.42	164.63	98.38
6.04	20.72	179.73	98.96
6.06	21.29	184.62	105.35
6.08	22.67	188.18	117.56
6.10	24.01	192.61	130.93
6.12	25.26	191.72	146.05
6.14	26.45	181.05	161.17
6.16	26.89	173.49	168.73
6.18	27.47	175.71	179.20
6.20	27.78	188.82	187.33
6.22	27.66	205.70	190.82
6.24	26.74	180.61	173.96
6.26	26.90	199.50	172.22
6.28	27.29	218.39	169.89
6.30	27.81	222.39	173.38
6.32	27.39	235.05	162.33
6.34	27.72	246.83	164.66
6.36	27.84	251.49	165.24
6.38	27.64	259.49	171.05
6.40	26.32	299.48	161.17
6.42	26.16	305.70	158.84
6.44	25.87	313.70	153.61
6.46	25.76	314.14	154.19
6.48	25.42	314.58	153.61
6.50	24.99	319.03	147.80

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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	24.31	313.24	142.56
6.54	23.87	296.13	139.08
6.56	23.15	293.68	133.84
6.58	23.09	291.46	135.00
6.60	23.03	289.68	134.42
6.62	22.38	288.56	122.21
6.64	23.10	286.56	125.12
6.66	23.32	289.68	121.63
6.68	23.53	293.45	118.14
6.70	22.32	248.05	9.42
6.72	23.26	261.61	12.32
6.74	24.32	269.16	16.98
6.76	24.95	281.16	21.05
6.78	25.24	298.71	26.86
6.80	25.03	315.59	29.19
6.82	24.45	334.48	32.09
6.84	23.81	356.03	33.84
6.86	22.74	380.91	34.42
6.88	21.03	404.02	32.68
6.90	19.58	415.35	30.93
6.92	18.44	413.12	30.35
6.94	17.83	396.45	30.93
6.96	18.03	370.00	33.26
6.98	18.47	336.22	36.16
7.00	19.45	301.99	40.81
7.02	20.42	272.88	45.47
7.04	21.40	246.88	50.12
7.06	21.74	229.99	53.60
7.08	21.52	223.77	53.60
7.10	20.07	226.87	49.53
7.12	18.88	235.10	45.47
7.14	18.15	239.99	43.14
7.16	17.94	239.99	43.14
7.18	20.73	94.79	168.15
7.20	22.35	104.13	187.33
7.22	24.37	109.24	212.92
7.24	26.17	109.46	237.92
7.26	26.99	113.02	250.71
7.28	26.63	124.36	240.82
7.30	26.52	137.47	235.01
7.32	26.88	149.91	243.15
7.34	27.65	155.24	260.01
7.36	27.29	159.47	254.78
7.38	27.15	160.13	261.76
7.40	26.09	155.91	254.20
7.42	24.67	149.69	239.08
7.44	23.32	161.02	222.22
7.46	22.37	172.13	214.66
7.48	22.11	183.91	215.24
7.50	21.94	190.35	219.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	22.07	186.35	230.36
7.54	22.08	172.79	239.66
7.56	22.08	160.12	247.80
7.58	21.90	150.34	252.45
7.60	21.54	147.01	253.62
7.62	21.22	146.12	253.62
7.64	20.94	147.89	257.69
7.66	20.76	145.00	263.50
7.68	20.06	141.22	255.94
7.70	18.74	138.11	232.69
7.72	17.80	136.77	225.13
7.74	17.10	131.22	219.90
7.76	16.78	127.88	218.73
7.78	16.82	127.88	223.96
7.80	17.41	129.88	238.50
7.82	17.93	129.21	251.87
7.84	18.01	130.77	257.10
7.86	17.61	133.88	251.87
7.88	16.89	139.21	239.08
7.90	16.06	143.65	224.55
7.92	15.29	148.54	211.17
7.94	14.89	153.65	204.78
7.96	14.47	159.65	197.80
7.98	14.24	160.10	194.31
8.00	14.08	156.99	190.24
8.02	14.05	146.99	187.91
8.04	14.19	138.10	187.91
8.06	14.59	131.21	190.82
8.08	15.26	122.54	198.38
8.10	16.39	115.43	211.75
8.12	17.81	108.32	232.69
8.14	18.89	103.66	246.64
8.16	22.59	44.57	279.20
8.18	22.98	61.24	286.76
8.20	23.49	74.58	293.15
8.22	24.30	79.91	307.69
8.24	25.43	86.36	333.27
8.26	26.08	88.58	344.90
8.28	25.97	85.69	337.92
8.30	25.82	85.91	335.02
8.32	25.89	93.24	335.02
8.34	26.62	93.02	364.67
8.36	27.41	92.35	407.11
8.38	28.34	92.13	443.16
8.40	29.44	91.91	499.56
8.42	29.91	79.68	529.80
8.44	28.46	73.91	484.44
8.46	26.40	67.46	421.65
8.48	24.71	76.35	389.67
8.50	23.33	85.68	357.69

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	21.99	94.35	329.79
8.54	20.43	98.57	307.69
8.56	18.39	104.56	273.97
8.58	16.08	106.12	241.99
8.60	14.18	110.34	217.57
8.62	12.81	105.67	205.36
8.64	11.83	103.00	197.22
8.66	11.01	98.78	190.82
8.68	10.40	99.66	188.50
8.70	9.89	96.33	186.17
8.72	9.63	91.88	185.01
8.74	9.56	84.99	186.17
8.76	9.52	78.99	184.43
8.78	9.26	72.54	180.36
8.80	9.06	67.43	177.45
8.82	8.84	63.21	173.38
8.84	8.68	60.76	169.89
8.86	8.63	58.99	169.31
8.88	8.60	58.32	167.57
8.90	8.43	60.10	161.17
8.92	8.38	60.10	154.19
8.94	8.12	55.65	145.47
8.96	7.69	52.54	137.33
8.98	7.33	51.21	130.93
9.00	6.98	52.55	124.54
9.02	6.91	51.88	121.05
9.04	7.11	48.77	118.72
9.06	7.35	50.33	116.98
9.08	7.38	54.55	113.49
9.10	7.09	57.89	106.51
9.12	6.71	67.67	98.38
9.14	6.20	72.34	91.40
9.16	5.78	71.45	85.00
9.18	5.35	34.89	8.83
9.20	5.28	40.89	25.70
9.22	5.34	49.78	26.86
9.24	5.25	56.67	25.11
9.26	5.01	60.89	22.79
9.28	4.62	57.78	19.88
9.30	4.04	51.33	16.98
9.32	3.33	48.45	14.07
9.34	2.46	52.89	10.58
9.36	1.91	68.00	8.25
9.38	1.71	82.67	7.09
9.40	1.69	94.45	7.67
9.42	1.76	98.00	12.32
9.44	1.51	94.45	25.11
9.46	1.25	84.89	23.37
9.48	1.11	79.78	22.21
9.50	1.15	71.78	37.32

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19\05\11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	1.32	62.45	187.33
9.54	1.20	46.89	230.94
9.56	1.01	46.67	201.29
9.58	0.92	49.34	215.82
9.60	1.02	40.01	258.27
9.62	2.08	35.78	297.22
9.64	3.79	33.78	326.88
9.66	4.35	33.34	257.69
9.68	4.06	32.68	216.40
9.70	3.33	26.90	189.08
9.72	2.66	33.79	171.63
9.74	2.43	48.90	165.24
9.76	2.87	65.79	166.99
9.78	3.58	70.02	172.22
9.80	3.19	76.24	157.10
9.82	2.85	76.46	144.89
9.84	3.09	73.58	140.82
9.86	2.84	68.69	132.10
9.88	2.25	68.02	137.91
9.90	1.82	68.69	125.70
9.92	1.48	61.80	117.56
9.94	1.27	66.91	114.08
9.96	1.46	65.58	130.35
9.98	2.62	62.69	235.59
10.00	3.45	49.81	265.25
10.02	3.62	46.03	219.31
10.04	4.09	43.36	214.08
10.06	5.21	44.03	225.13
10.08	6.20	43.14	233.85
10.10	6.77	42.48	233.27
10.12	6.89	40.73	146.63
10.14	6.64	46.06	141.40
10.16	6.31	53.17	136.75
10.18	5.93	59.40	130.93
10.20	5.44	62.73	124.54
10.22	4.89	67.40	117.56
10.24	4.17	71.84	109.42
10.26	3.27	74.95	100.12
10.28	2.38	77.40	92.56
10.30	1.78	81.84	87.91
10.32	1.51	87.18	87.91
10.34	1.37	85.84	93.72
10.36	1.16	76.06	118.14
10.38	1.41	75.40	193.73
10.40	2.04	65.62	208.27
10.42	2.89	56.95	206.52
10.44	3.17	46.95	175.12
10.46	2.81	38.73	148.38
10.48	2.19	26.28	134.42
10.50	1.71	13.62	128.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	1.51	11.39	135.00
10.54	1.89	8.95	174.54
10.56	3.44	16.51	255.36
10.58	4.79	25.62	226.29
10.60	5.08	28.06	207.69
10.62	4.34	21.17	183.85
10.64	3.32	24.95	165.24
10.66	2.31	34.51	148.96
10.68	1.70	46.95	139.66
10.70	1.37	60.73	136.75
10.72	1.14	74.73	143.73
10.74	1.01	78.74	177.45
10.76	1.04	74.96	230.94
10.78	1.08	64.29	264.08
10.80	1.19	55.18	325.13
10.82	1.89	44.96	408.28
10.84	2.40	34.29	355.95
10.86	2.13	23.85	293.73
10.88	1.73	15.40	269.90
10.90	1.49	15.85	267.57
10.92	1.67	19.85	294.32
10.94	3.01	26.07	368.16
10.96	4.57	28.52	336.76
10.98	5.09	33.18	311.76
11.00	5.11	29.41	293.15
11.02	5.05	30.07	281.52
11.04	4.83	33.63	269.31
11.06	4.47	37.19	255.94
11.08	3.99	42.30	241.40
11.10	3.23	48.97	222.22
11.12	2.48	63.87	162.91
11.14	1.96	72.31	157.68
11.16	1.78	80.31	164.08
11.18	1.90	81.65	212.33
11.20	2.05	82.53	222.22
11.22	1.67	72.31	184.43
11.24	1.31	57.87	173.96
11.26	1.07	46.53	188.50
11.28	0.90	37.64	196.64
11.30	0.97	27.64	228.03
11.32	1.01	22.09	257.10
11.34	0.90	22.53	233.85
11.36	0.72	21.42	232.10
11.38	0.67	18.76	260.01
11.40	0.69	16.31	296.64
11.42	0.71	13.42	303.04
11.44	0.73	12.98	306.53
11.46	0.77	13.87	313.50
11.48	0.78	13.87	301.30
11.50	0.67	13.87	283.27

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	0.61	12.54	303.04
11.54	0.59	11.87	311.18
11.56	0.59	12.54	308.85
11.58	0.59	12.76	307.69
11.60	0.60	13.43	301.30
11.62	0.58	12.98	305.36
11.64	0.70	11.87	322.22
11.66	0.88	12.76	351.88
11.68	1.10	16.32	382.70
11.70	1.33	23.88	416.42
11.72	1.46	34.54	423.98
11.74	1.51	49.43	433.28
11.76	1.51	62.99	461.77
11.78	1.51	74.99	497.82
11.80	1.53	88.32	482.12
11.82	1.48	99.88	446.65
11.84	1.42	104.77	444.32
11.86	1.37	101.21	457.12
11.88	1.33	93.44	464.10
11.90	1.32	86.55	454.79
11.92	1.32	81.88	435.02
11.94	1.25	76.77	415.25
11.96	1.18	72.54	397.23
11.98	1.09	66.54	382.70
12.00	1.03	60.77	376.88
12.02	0.98	55.21	370.49
12.04	0.97	49.66	372.23
12.06	1.03	43.65	375.13
12.08	1.10	38.10	366.41
12.10	1.26	35.65	361.76
12.12	1.58	27.00	286.76
12.14	1.69	34.55	253.03
12.16	1.70	41.22	228.61
12.18	1.64	47.00	214.66
12.20	1.50	52.33	200.12
12.22	1.35	56.11	189.08
12.24	1.25	56.78	190.24
12.26	1.22	54.11	194.89
12.28	1.19	49.44	200.70
12.30	1.16	45.00	202.45
12.32	1.15	40.11	211.75
12.34	1.25	34.33	226.87
12.36	1.38	31.44	239.08
12.38	1.47	30.78	244.31
12.40	1.42	31.44	236.18
12.42	1.39	30.33	231.52
12.44	1.43	28.78	246.06
12.46	1.74	26.11	268.73
12.48	2.12	30.33	272.80
12.50	2.60	38.34	266.41

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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	3.06	47.22	255.36
12.54	3.68	57.00	249.55
12.56	3.96	65.89	231.52
12.58	3.99	75.00	215.24
12.60	3.85	82.56	201.29
12.62	3.73	88.78	189.66
12.64	3.55	90.11	179.78
12.66	3.27	88.78	171.05
12.68	3.06	86.11	162.33
12.70	3.05	81.00	161.75
12.72	3.53	83.89	176.87
12.74	4.23	93.22	188.50
12.76	4.93	96.56	201.29
12.78	5.48	89.00	209.43
12.80	5.93	78.11	215.82
12.82	6.29	71.89	221.06
12.84	6.49	65.00	223.96
12.86	6.51	42.11	225.71
12.88	6.49	38.11	223.38
12.90	6.26	41.22	215.82
12.92	5.87	37.44	207.69
12.94	5.22	41.88	194.89
12.96	4.43	52.33	178.61
12.98	3.72	61.44	168.73
13.00	3.14	50.33	162.91
13.02	2.82	56.77	160.00
13.04	2.75	71.88	161.17
13.06	2.82	84.32	165.24
13.08	3.48	88.77	179.78
13.10	5.42	66.77	290.83
13.12	6.53	67.44	304.20
13.14	6.73	60.99	298.97
13.16	6.30	60.99	276.29
13.18	5.91	70.55	260.01
13.20	5.70	86.55	249.55
13.22	5.58	101.21	244.90
13.24	5.48	103.66	243.15
13.26	5.36	84.77	239.66
13.28	5.34	88.99	236.76
13.30	5.17	90.99	232.69
13.32	4.86	98.10	226.87
13.34	5.09	101.88	235.01
13.36	5.53	90.10	244.31
13.38	5.55	78.77	244.90
13.40	5.21	80.99	237.34
13.42	4.67	72.99	226.87
13.44	4.25	66.76	220.48
13.46	3.86	68.98	214.08
13.48	3.66	70.54	211.17
13.50	3.48	78.54	205.94

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	3.61	93.20	210.01
13.54	3.32	96.98	204.20
13.56	2.80	82.98	195.48
13.58	2.36	69.42	187.91
13.60	1.99	68.31	180.36
13.62	1.75	66.53	183.26
13.64	1.99	60.31	209.43
13.66	3.69	59.42	310.01
13.68	6.13	65.20	367.58
13.70	7.07	68.98	348.39
13.72	7.37	58.31	342.58
13.74	7.15	45.86	325.13
13.76	6.94	48.31	316.41
13.78	6.79	58.53	311.76
13.80	6.91	71.86	320.48
13.82	7.43	87.86	342.58
13.84	8.46	103.19	379.79
13.86	9.28	114.75	405.37
13.88	9.48	122.08	407.70
13.90	9.55	124.08	410.02
13.92	9.47	117.41	407.11
13.94	9.22	107.19	397.23
13.96	9.20	102.97	401.88
13.98	9.29	102.52	413.51
14.00	9.41	99.86	428.63
14.02	9.79	100.52	453.05
14.04	10.57	104.74	495.49
14.06	11.82	112.52	561.19
14.08	13.68	118.07	669.34
14.10	16.33	106.96	881.56
14.12	18.25	117.41	953.08
14.14	19.46	129.41	988.54
14.16	20.33	142.96	1010.64
14.18	20.74	156.52	1030.99
14.20	20.97	172.52	1046.69
14.22	21.08	186.96	1075.18
14.24	21.20	198.29	1093.20
14.26	21.30	204.96	1138.55
14.28	21.29	208.73	1175.76
14.30	21.02	211.17	1198.44
14.32	20.47	211.39	1199.60
14.34	19.56	208.95	1170.53
14.36	18.31	205.39	1096.10
14.38	16.79	201.83	1008.89
14.40	15.57	200.27	965.29
14.42	14.67	199.16	955.98
14.44	13.97	196.93	960.63
14.46	13.38	195.59	964.70
14.48	13.00	190.70	999.01
14.50	12.91	187.14	1046.10

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	13.10	183.36	1127.50
14.54	13.60	182.46	1244.95
14.56	14.38	182.02	1392.63
14.58	15.35	179.34	1560.67
14.60	16.40	178.23	1735.10
14.62	17.61	182.45	1938.60
14.64	18.65	188.44	2112.44
14.66	19.37	199.33	2252.57
14.68	19.63	211.77	2285.71
14.70	19.36	226.21	2285.71
14.72	18.68	245.54	2285.71
14.74	18.02	265.31	2285.71
14.76	17.58	280.65	2285.71
14.78	17.29	288.64	2285.71
14.80	17.11	292.20	760.04
14.82	16.99	291.97	527.47
14.84	16.99	284.63	408.28
14.86	17.09	274.18	358.28
14.88	16.81	264.62	332.69
14.90	15.83	261.73	300.71
14.92	14.88	259.50	283.27
14.94	14.14	257.95	269.90
14.96	13.64	257.72	269.90
14.98	13.37	255.49	262.34
15.00	13.20	251.05	252.45
15.02	13.02	238.38	241.40
15.04	12.90	222.37	243.73
15.06	12.82	210.15	244.31
15.08	12.49	201.48	243.73
15.10	11.87	180.38	262.34
15.12	11.56	180.83	244.90
15.14	11.35	185.28	232.10
15.16	11.44	192.61	226.29
15.18	11.28	192.83	215.82
15.20	11.27	189.72	215.82
15.22	11.20	189.05	212.92
15.24	11.20	189.05	211.17
15.26	11.44	186.83	214.08
15.28	11.73	182.83	219.90
15.30	11.98	179.49	225.13
15.32	12.21	178.61	228.61
15.34	12.41	180.61	231.52
15.36	12.49	181.94	234.43
15.38	12.63	179.72	236.18
15.40	12.71	176.60	238.50
15.42	12.73	173.49	235.59
15.44	12.67	171.94	230.36
15.46	12.84	171.27	231.52
15.48	13.68	168.16	244.31
15.50	14.94	163.93	260.01

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**Intergeo** s.p.a.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19/05/11**

Preforo **0.50 m. p.c. Falda 2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	15.70	160.82	256.52
15.54	16.25	160.82	258.27
15.56	17.01	158.60	266.41
15.58	17.52	154.15	263.50
15.60	17.96	157.04	255.36
15.62	18.71	158.37	255.36
15.64	19.08	162.60	242.57
15.66	19.79	159.71	233.27
15.68	20.04	160.60	225.13
15.70	20.26	160.82	218.15
15.72	20.23	158.37	207.69
15.74	19.78	157.49	199.54
15.76	19.19	162.60	190.82
15.78	18.66	167.93	185.59
15.80	18.35	166.82	183.26
15.82	18.25	163.94	185.01
15.84	18.41	162.60	191.40
15.86	18.58	162.16	196.64
15.88	18.48	160.16	196.64
15.90	18.31	157.27	195.48
15.92	18.19	153.49	195.48
15.94	18.04	152.38	196.64
15.96	17.91	153.49	196.64
15.98	17.92	158.38	200.12
16.00	18.06	163.04	203.61
16.02	18.32	164.60	207.10
16.04	18.77	162.15	212.92
16.06	19.22	158.82	214.66
16.08	19.50	141.29	192.57
16.10	19.63	143.06	188.50
16.12	19.92	145.95	187.91
16.14	20.42	146.40	191.40
16.16	20.84	146.40	193.73
16.18	21.00	147.95	193.73
16.20	20.97	154.18	191.40
16.22	20.61	163.51	186.17
16.24	20.13	173.06	180.36
16.26	19.49	184.40	173.96
16.28	18.63	197.50	164.66
16.30	17.93	211.50	158.84
16.32	17.12	221.28	151.87
16.34	16.33	225.95	145.47
16.36	15.59	225.95	140.82
16.38	14.83	222.83	136.75
16.40	14.29	217.94	134.42
16.42	13.86	208.61	134.42
16.44	13.54	197.94	134.42
16.46	13.48	184.60	137.33
16.48	13.66	174.37	142.56
16.50	13.89	165.04	150.12

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	14.43	157.04	161.17
16.54	15.39	151.26	180.94
16.56	16.48	143.03	201.29
16.58	16.83	138.81	205.36
16.60	16.38	147.25	192.57
16.62	16.18	149.69	186.17
16.64	15.58	153.70	177.45
16.66	14.82	164.81	166.40
16.68	14.48	174.58	163.50
16.70	14.53	182.81	164.66
16.72	14.77	186.36	168.73
16.74	14.98	184.14	172.80
16.76	14.94	177.47	172.22
16.78	15.07	167.92	173.38
16.80	15.16	161.25	173.38
16.82	15.18	157.25	173.38
16.84	15.12	154.14	172.22
16.86	15.10	150.14	171.63
16.88	15.24	145.25	173.96
16.90	15.58	142.14	179.78
16.92	16.09	137.47	186.17
16.94	16.83	133.92	196.64
16.96	17.87	130.80	212.92
16.98	19.20	130.80	231.52
17.00	20.45	129.92	241.40
17.02	21.10	134.36	240.24
17.04	21.36	142.58	232.69
17.06	21.37	154.80	225.71
17.08	21.61	158.41	169.89
17.10	21.76	173.53	160.59
17.12	21.25	190.19	150.70
17.14	20.52	209.30	140.24
17.16	20.13	223.97	136.17
17.18	19.92	235.53	134.42
17.20	19.95	242.19	137.33
17.22	20.19	252.85	143.73
17.24	20.24	258.19	146.63
17.26	20.47	256.40	155.94
17.28	20.57	250.18	160.00
17.30	20.51	245.51	164.08
17.32	20.21	241.72	162.33
17.34	19.86	239.50	161.17
17.36	19.27	238.83	155.94
17.38	18.71	238.38	152.45
17.40	18.50	236.83	154.78
17.42	18.12	234.60	152.45
17.44	17.51	234.38	147.21
17.46	16.97	234.37	142.56
17.48	16.50	235.48	140.24
17.50	16.03	235.04	134.42

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	15.75	230.82	135.00
17.54	15.60	225.26	135.59
17.56	15.51	218.82	136.17
17.58	15.28	209.04	135.59
17.60	14.95	199.48	132.68
17.62	14.65	188.37	130.93
17.64	14.57	176.15	132.10
17.66	14.68	167.48	133.84
17.68	14.83	157.48	137.33
17.70	15.27	146.59	144.31
17.72	15.83	139.03	151.87
17.74	16.84	135.03	165.24
17.76	18.05	133.70	183.26
17.78	19.32	135.70	192.57
17.80	20.62	138.14	204.78
17.82	21.71	147.47	219.90
17.84	22.33	156.37	222.22
17.86	22.64	161.26	211.17
17.88	22.69	166.38	203.61
17.90	22.28	175.94	190.82
17.92	21.74	185.27	180.94
17.94	21.42	189.49	173.96
17.96	21.25	194.38	172.80
17.98	21.41	197.49	176.87
18.00	21.61	200.39	182.10
18.02	21.54	202.83	180.36
18.04	21.42	203.28	178.03
18.06	21.31	207.72	175.70
18.08	21.08	209.10	169.89
18.10	21.20	219.77	164.66
18.12	21.40	224.43	164.66
18.14	21.34	222.65	164.08
18.16	21.28	219.54	164.66
18.18	21.19	215.98	165.82
18.20	21.22	217.31	170.47
18.22	21.24	218.87	178.61
18.24	21.27	213.08	183.26
18.26	20.98	213.75	180.36
18.28	20.84	215.08	175.70
18.30	20.82	211.08	179.78
18.32	20.64	207.96	188.50
18.34	20.80	204.85	199.54
18.36	20.73	199.96	205.36
18.38	20.61	194.62	211.17
18.40	19.88	190.84	205.94
18.42	18.98	187.06	194.89
18.44	17.99	189.50	183.26
18.46	18.04	189.72	192.57
18.48	19.45	189.72	229.20
18.50	21.62	181.50	280.36



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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova 2

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	22.60	175.94	225.13
18.54	23.09	170.61	222.80
18.56	23.05	168.83	223.96
18.58	22.70	165.71	220.48
18.60	22.01	172.83	210.59
18.62	21.14	187.27	201.87
18.64	19.80	203.71	185.01
18.66	18.07	210.38	165.82
18.68	16.31	207.49	147.80
18.70	14.76	202.82	135.59
18.72	13.66	196.15	126.87
18.74	13.05	181.71	123.38
18.76	12.72	166.15	122.21
18.78	12.47	151.48	121.05
18.80	12.28	137.26	119.89
18.82	12.17	122.15	118.72
18.84	12.08	114.37	116.98
18.86	12.03	107.48	115.82
18.88	11.87	100.37	112.91
18.90	11.68	95.48	109.42
18.92	11.50	93.93	107.10
18.94	11.73	91.48	107.10
18.96	12.01	89.48	107.10
18.98	12.24	87.49	106.51
19.00	12.40	86.16	104.77
19.02	12.77	85.71	104.77
19.04	13.31	85.05	107.10
19.06	13.69	76.64	147.21
19.08	14.61	77.76	146.63
19.10	15.74	80.43	152.45
19.12	17.00	84.65	161.75
19.14	18.48	87.54	169.89
19.16	19.81	91.10	177.45
19.18	20.70	98.65	181.52
19.20	21.00	117.10	175.70
19.22	21.60	131.77	177.45
19.24	21.69	150.43	175.12
19.26	22.54	162.66	185.59
19.28	22.78	181.77	187.33
19.30	23.03	197.55	193.15
19.32	23.43	209.10	198.38
19.34	23.44	221.54	199.54
19.36	23.48	232.65	201.87
19.38	23.41	242.87	197.80
19.40	28.98	123.33	653.06
19.42	28.76	132.89	612.94
19.44	27.10	157.11	554.80
19.46	26.02	187.11	540.26
19.48	25.07	216.44	528.05
19.50	24.57	238.65	547.24

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	24.20	256.87	580.96
19.54	23.76	279.09	593.75
19.56	23.37	291.08	619.92
19.58	22.99	289.08	647.82
19.60	22.87	277.96	689.69
19.62	23.05	267.95	743.76
19.64	23.51	258.17	822.83
19.66	24.05	249.49	379.79
19.68	24.37	244.60	346.65
19.70	24.94	239.26	335.60
19.72	24.96	239.48	318.74
19.74	25.11	235.70	318.74
19.76	24.94	243.47	313.50
19.78	25.19	246.58	314.67
19.80	25.30	248.57	310.60
19.82	25.23	253.24	297.22
19.84	25.36	258.79	302.46
19.86	25.62	259.68	300.71
19.88	26.01	261.68	297.80
19.90	26.40	262.79	296.64
19.92	26.49	266.12	287.92
19.94	26.56	268.12	288.50
19.96	26.52	272.34	288.50
19.98	26.32	277.45	280.94
20.00	26.16	281.45	277.46
20.02	25.84	287.67	271.06
20.04	25.73	290.33	271.06
20.06	25.43	290.78	263.50
20.08	24.99	287.00	253.62
20.10	27.78	158.94	797.25
20.12	26.34	187.60	676.90
20.14	24.96	213.83	590.26
20.16	23.60	235.61	516.42
20.18	21.99	255.61	440.84
20.20	20.43	271.16	379.20
20.22	19.12	268.94	342.00
20.24	18.22	258.27	320.48
20.26	17.46	248.49	304.20
20.28	16.62	236.27	287.34
20.30	15.54	222.49	261.18
20.32	14.53	203.82	242.57
20.34	13.66	183.82	226.87
20.36	13.08	166.70	216.99
20.38	12.52	154.48	208.27
20.40	12.18	141.59	204.20
20.42	11.76	128.70	196.06
20.44	11.62	115.82	190.82
20.46	11.33	106.04	185.01
20.48	11.26	96.93	179.20
20.50	11.11	88.49	173.38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	11.02	82.04	169.31
20.54	10.94	78.71	163.50
20.56	11.09	73.83	161.75
20.58	11.24	70.05	158.84
20.60	11.35	67.61	155.94
20.62	11.66	64.95	155.36
20.64	12.01	63.17	153.03
20.66	11.94	63.62	146.05
20.68	11.99	64.07	139.66
20.70	12.07	64.30	133.84
20.72	11.95	65.63	129.19
20.74	12.03	66.08	124.54
20.76	11.91	67.64	118.14
20.78	12.01	67.20	114.08
20.80	12.03	66.54	111.17
20.82	12.16	65.65	107.10
20.84	12.35	64.99	104.19
20.86	12.39	64.33	101.28
20.88	12.47	63.88	96.05
20.90	12.50	63.89	91.98
20.92	12.51	64.34	88.49
20.94	12.57	65.23	85.59
20.96	12.75	66.12	83.26
20.98	13.19	66.79	83.84
21.00	13.72	67.46	85.59
21.02	14.36	67.46	88.49
21.04	14.90	67.24	90.23
21.06	15.28	67.47	90.23
21.08	15.54	68.80	90.23
21.10	15.48	70.36	86.75
21.12	15.07	62.85	127.45
21.14	13.62	72.85	110.59
21.16	12.53	82.85	99.54
21.18	12.07	91.52	94.89
21.20	11.84	96.19	93.14
21.22	11.62	93.07	91.40
21.24	11.42	84.19	90.23
21.26	11.29	78.85	89.07
21.28	11.31	75.96	89.07
21.30	11.51	73.74	91.98
21.32	11.88	72.18	96.05
21.34	12.42	72.63	101.86
21.36	12.73	73.07	105.93
21.38	12.74	73.52	105.93
21.40	12.62	74.18	105.93
21.42	12.60	75.52	107.10
21.44	12.61	76.63	108.26
21.46	12.54	78.41	108.26
21.48	12.47	79.74	108.84
21.50	12.33	81.07	108.84

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	12.13	80.41	107.68
21.54	11.99	79.07	108.26
21.56	11.98	78.85	109.42
21.58	12.06	78.41	111.75
21.60	12.12	77.07	114.08
21.62	12.18	75.07	116.40
21.64	12.15	73.74	116.98
21.66	11.98	72.63	116.40
21.68	11.67	72.85	114.66
21.70	11.41	73.52	113.49
21.72	11.18	73.52	112.33
21.74	10.99	73.96	111.75
21.76	10.85	74.19	111.17
21.78	10.69	74.63	110.59
21.80	10.52	73.96	110.00
21.82	10.39	72.19	109.42
21.84	10.27	70.41	109.42
21.86	10.10	69.30	108.26
21.88	10.00	68.19	108.26
21.90	9.86	66.85	107.68
21.92	9.80	65.30	107.10
21.94	9.71	64.41	107.10
21.96	9.61	64.41	105.93
21.98	9.46	64.41	104.77
22.00	9.31	63.97	103.61
22.02	9.11	63.97	101.86
22.04	8.99	64.19	100.70
22.06	8.93	63.97	100.12
22.08	8.64	63.81	134.42
22.10	8.96	59.15	138.50
22.12	9.21	59.37	140.24
22.14	9.59	59.37	144.31
22.16	10.08	59.37	149.54
22.18	10.67	60.70	156.52
22.20	11.15	64.26	161.75
22.22	11.51	70.26	166.40
22.24	11.73	76.26	169.89
22.26	11.86	84.03	171.05
22.28	12.32	93.59	179.78
22.30	13.08	103.14	194.31
22.32	13.90	112.03	208.85
22.34	14.73	122.03	226.29
22.36	15.99	135.14	255.36
22.38	18.20	147.14	310.60
22.40	21.17	152.03	394.90
22.42	23.74	158.69	464.10
22.44	25.56	170.69	506.54
22.46	26.31	189.58	510.03
22.48	26.52	206.91	506.54
22.50	26.38	220.46	504.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	25.80	241.13	528.05
22.54	26.02	253.12	562.94
22.56	26.02	261.34	584.45
22.58	25.83	267.12	601.31
22.60	25.77	270.22	624.57
22.62	25.71	270.00	654.22
22.64	25.51	266.88	672.25
22.66	25.19	263.32	694.34
22.68	24.97	261.76	715.85
22.70	24.66	258.87	734.46
22.72	24.31	255.53	758.88
22.74	23.92	251.96	770.50
22.76	23.36	250.63	762.37
22.78	22.69	246.85	740.27
22.80	22.11	240.40	736.20
22.82	21.89	234.39	761.20
22.84	21.89	227.50	800.16
22.86	21.78	222.38	814.70
22.88	21.56	216.60	832.14
22.90	21.20	210.37	828.65
22.92	20.76	204.82	819.35
22.94	20.45	199.93	822.25
22.96	20.22	194.14	837.37
22.98	20.11	191.25	849.00
23.00	20.14	185.92	879.23
23.02	20.21	180.36	904.23
23.04	19.92	164.38	633.29
23.06	19.55	164.60	576.31
23.08	19.42	160.60	548.98
23.10	18.85	157.71	509.45
23.12	18.38	154.60	476.30
23.14	18.12	150.83	461.77
23.16	17.99	144.60	454.21
23.18	17.74	141.05	442.58
23.20	17.17	139.04	418.74
23.22	16.74	135.26	403.04
23.24	16.49	131.26	396.65
23.26	16.12	127.93	387.35
23.28	15.72	127.04	375.13
23.30	15.65	127.71	374.55
23.32	15.63	128.82	379.79
23.34	15.63	128.82	383.28
23.36	15.45	128.37	382.11
23.38	15.29	129.04	382.11
23.40	14.93	137.93	368.16
23.42	14.82	143.04	364.09
23.44	14.69	148.37	348.97
23.46	14.61	150.37	325.13
23.48	14.16	152.38	286.18
23.50	14.63	152.39	230.94

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	20.79	112.86	717.60
23.54	21.66	126.86	780.39
23.56	23.16	137.97	880.98
23.58	24.76	151.30	995.52
23.60	25.69	170.41	1074.01
23.62	26.35	189.74	1172.86
23.64	26.94	205.74	1286.81
23.66	27.00	219.06	1371.70
23.68	27.32	233.72	1496.13
23.70	27.65	245.50	1606.60
23.72	27.67	253.94	1639.74
23.74	27.08	260.38	1601.37
23.76	26.60	265.49	1597.88
23.78	26.07	268.16	1566.48
23.80	25.36	266.37	1538.58
23.82	24.80	263.04	1519.39
23.84	24.05	260.37	1473.45
23.86	23.71	257.04	1469.97
23.88	24.31	249.70	1581.02
23.90	25.40	237.25	1734.51
23.92	26.16	229.70	1858.36
23.94	26.78	226.81	1953.71
23.96	27.22	227.25	2031.04
23.98	27.28	227.02	2071.74
24.00	26.73	232.58	2057.21
24.02	26.09	247.02	2024.07
24.04	25.57	261.46	2013.02
24.06	24.99	267.91	1992.67
24.08	29.76	144.99	2217.10
24.10	27.70	162.55	1978.71
24.12	25.89	181.66	1742.66
24.14	24.53	197.88	1578.69
24.16	23.44	210.10	1436.82
24.18	22.57	217.88	1353.10
24.20	22.10	227.21	1312.98
24.22	21.82	227.21	1309.49
24.24	21.47	223.65	1300.19
24.26	21.03	217.65	1279.84
24.28	20.09	208.98	1200.76
24.30	18.79	198.09	1085.64
24.32	17.66	190.31	1009.48
24.34	16.88	184.30	967.61
24.36	16.30	178.30	944.93
24.38	15.80	172.96	915.86
24.40	15.30	166.07	888.54
24.42	14.87	156.96	864.12
24.44	14.51	142.74	843.77
24.46	14.27	129.18	833.88
24.48	14.17	120.29	830.40
24.50	14.22	113.40	839.70

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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova 2

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	14.41	107.18	858.89
24.54	14.87	101.84	899.59
24.56	15.53	98.29	954.82
24.58	15.98	98.07	972.84
24.60	16.33	96.95	979.82
24.62	16.15	97.40	935.63
24.64	15.30	99.40	826.32
24.66	14.24	101.85	715.27
24.68	13.34	105.41	629.80
24.70	12.63	107.41	566.42
24.72	12.36	107.19	527.47
24.74	12.54	104.31	517.59
24.76	13.21	99.64	540.26
24.78	14.41	92.53	585.61
24.80	15.44	86.54	614.69
24.82	16.16	82.76	626.90
24.84	16.31	81.65	594.33
24.86	16.23	83.21	555.38
24.88	16.31	86.33	532.12
24.90	16.46	92.11	518.17
24.92	16.16	98.33	480.38
24.94	15.40	103.22	418.16
24.96	14.57	108.34	364.67
24.98	13.89	112.12	329.79
25.00	13.46	113.45	305.95
25.02	13.21	115.23	290.83
25.04	13.05	115.45	279.20
25.06	13.07	82.86	136.75
25.08	13.13	82.42	135.59
25.10	12.73	89.53	129.77
25.12	12.85	96.86	124.54
25.14	13.13	101.09	128.61
25.16	13.04	103.53	127.45
25.18	12.60	98.20	121.05
25.20	11.91	93.75	112.33
25.22	11.37	90.20	106.51
25.24	11.23	88.42	106.51
25.26	11.61	87.75	113.49
25.28	12.38	86.64	126.87
25.30	13.15	83.75	139.66
25.32	13.49	80.86	146.05
25.34	13.60	77.75	150.70
25.36	13.62	78.64	152.45
25.38	13.40	81.75	151.87
25.40	13.27	86.19	153.03
25.42	13.13	90.64	154.78
25.44	13.14	93.08	158.84
25.46	13.33	93.97	165.82
25.48	13.93	93.53	180.36
25.50	15.06	90.64	208.27

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	16.63	87.75	250.71
25.54	18.52	89.97	311.18
25.56	20.42	89.97	376.88
25.58	21.90	89.08	426.30
25.60	23.07	93.75	469.91
25.62	24.13	101.30	514.68
25.64	25.03	111.97	553.63
25.66	25.90	126.86	604.22
25.68	26.47	141.75	640.85
25.70	26.95	157.30	678.64
25.72	27.39	170.41	728.06
25.74	27.60	183.08	767.02
25.76	27.57	193.96	796.67
25.78	27.62	201.30	844.35
25.80	27.70	207.74	897.26
25.82	27.73	211.73	952.50
25.84	27.42	213.95	980.40
25.86	26.79	216.18	992.61
25.88	26.05	216.17	987.96
25.90	25.07	217.50	960.63
25.92	24.27	216.39	951.33
25.94	24.30	211.27	1049.01
25.96	25.55	203.05	1259.49
25.98	27.31	193.04	1515.90
26.00	27.98	184.82	1644.40
26.02	27.88	178.59	1715.91
26.04	30.45	113.94	865.28
26.06	28.89	139.72	759.46
26.08	27.84	164.83	697.25
26.10	27.08	186.61	661.20
26.12	26.54	203.94	639.69
26.14	26.31	216.38	656.55
26.16	26.11	233.05	671.08
26.18	26.05	238.15	698.99
26.20	26.03	236.15	736.79
26.22	26.20	228.81	799.58
26.24	26.40	226.14	860.63
26.26	26.37	225.03	914.70
26.28	26.46	225.69	979.82
26.30	26.61	227.69	1057.73
26.32	26.75	227.02	1142.04
26.34	27.11	229.90	1246.11
26.36	27.37	234.57	1353.10
26.38	27.47	236.34	1437.99
26.40	27.50	235.00	1525.20
26.42	27.36	234.56	1598.46
26.44	26.98	234.55	1639.74
26.46	26.32	233.66	1648.46
26.48	25.49	232.10	1626.37
26.50	24.51	231.21	1601.37

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	23.78	230.76	1611.25
26.54	23.35	226.98	1673.47
26.56	23.07	226.97	1785.68
26.58	23.06	227.19	1936.27
26.60	23.62	220.74	2095.58
26.62	23.90	220.96	2201.99
26.64	24.39	215.85	2262.45
26.66	24.26	218.30	2130.47
26.68	30.38	168.05	2285.71
26.70	32.37	182.37	2285.71
26.72	32.90	184.78	2285.71
26.74	32.97	185.88	2285.71
26.76	32.72	186.11	2285.71
26.78	27.88	266.50	2285.71
26.80	27.93	282.47	2285.71
26.82	27.93	295.33	2285.71
26.84	27.95	309.96	2285.71
26.86	27.92	319.71	2285.71
26.88	28.21	327.23	2285.71
26.90	28.25	330.75	2285.71
26.92	28.06	326.52	2285.71
26.94	27.89	319.62	2285.71
26.96	25.64	264.67	2285.71
26.98	27.02	122.93	2063.60
27.00	25.95	152.27	1941.50
27.02	25.43	174.71	1882.20
27.04	24.80	191.38	1807.78
27.06	24.19	196.27	1752.54
27.08	23.54	186.93	1698.47
27.10	22.98	178.04	1658.93
27.12	22.51	172.92	1636.83
27.14	22.06	172.92	1619.39
27.16	21.49	176.70	1583.34
27.18	20.88	172.70	1553.11
27.20	20.03	167.36	1471.71
27.22	19.19	165.58	1392.05
27.24	18.46	166.25	1333.33
27.26	17.80	166.69	1287.40
27.28	17.18	161.36	1243.79
27.30	16.62	154.69	1211.23
27.32	16.30	148.24	1196.11
27.34	16.00	140.47	1189.13
27.36	15.83	133.80	1184.49
27.38	15.79	126.69	1192.04
27.40	15.87	119.13	1212.98
27.42	16.01	112.91	1231.00
27.44	16.07	109.58	1235.65
27.46	16.07	107.80	1232.74
27.48	16.07	108.92	1235.07
27.50	15.95	110.47	1216.46

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19\05\11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	15.85	110.25	1199.02
27.54	15.49	111.37	1143.20
27.56	14.70	110.92	1040.87
27.58	13.86	110.48	937.38
27.60	12.98	109.15	836.79
27.62	12.12	107.15	747.83
27.64	11.50	104.48	677.48
27.66	10.87	101.60	621.66
27.68	10.46	97.82	565.26
27.70	9.98	93.38	510.61
27.72	9.64	89.38	473.98
27.74	9.47	86.05	447.81
27.76	9.46	84.49	426.30
27.78	9.44	85.16	403.62
27.80	9.35	84.94	380.95
27.82	9.12	78.72	348.97
27.84	8.85	73.62	316.41
27.86	9.01	70.95	302.46
27.88	9.25	67.84	293.15
27.90	9.62	66.07	289.67
27.92	10.04	66.74	288.50
27.94	10.55	62.29	289.67
27.96	12.92	48.42	133.84
27.98	15.03	57.09	146.63
28.00	17.62	65.09	154.19
28.02	17.47	59.09	151.29
28.04	14.27	64.87	97.80
28.06	11.04	136.42	60.00
28.08	8.91	112.42	50.70
28.10	6.86	151.09	33.26
28.12	5.02	247.76	27.44
28.14	3.61	301.09	30.93
28.16	2.97	309.98	37.32
28.18	2.63	292.20	48.95
28.20	2.40	282.20	64.07
28.22	2.24	266.64	83.84
28.24	2.15	196.64	102.45
28.26	2.14	120.64	122.21
28.28	2.16	77.08	144.31
28.30	2.18	62.86	229.20
28.32	2.11	54.19	594.33
28.34	2.08	45.52	619.33
28.36	2.04	41.96	646.08
28.38	2.04	41.52	667.60
28.40	2.03	41.07	679.22
28.42	1.96	40.63	681.55
28.44	1.92	40.41	683.88
28.46	1.84	40.41	685.04
28.48	1.81	38.64	687.36
28.50	1.81	37.53	703.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	1.88	35.53	723.99
28.54	2.14	31.75	761.79
28.56	2.82	30.87	832.14
28.58	3.08	37.53	761.20
28.60	2.88	48.20	875.75
28.62	2.96	51.54	1091.46
28.64	3.50	51.98	1224.02
28.66	4.52	52.88	1308.33
28.68	6.26	65.10	1393.80
28.70	8.49	82.66	1283.33
28.72	12.13	110.88	451.30
28.74	14.86	136.22	533.29
28.76	15.54	155.11	226.87
28.78	16.23	186.45	220.48
28.80	16.95	201.56	190.24
28.82	17.36	219.56	201.29
28.84	17.96	208.01	224.55
28.86	19.33	211.56	277.46
28.88	20.65	209.34	345.48
28.90	21.80	218.89	383.28
28.92	21.28	230.00	379.79
28.94	21.02	245.79	341.41
28.96	20.76	280.24	205.94
28.98	20.40	314.68	198.96
29.00	20.75	336.90	197.80
29.02	21.28	338.68	216.40
29.04	21.16	306.01	223.96
29.06	20.80	268.67	221.06
29.08	20.67	259.78	236.18
29.10	19.88	253.11	227.45
29.12	19.95	248.21	255.36
29.14	20.07	243.54	269.90
29.16	19.20	242.20	265.25
29.18	18.92	229.76	266.41
29.20	18.92	232.64	298.97
29.22	19.29	270.19	340.25
29.24	19.83	269.52	390.25
29.26	19.10	276.19	380.95
29.28	18.96	260.40	388.51
29.30	18.66	265.29	417.00
29.32	17.99	285.51	408.28
29.34	17.82	293.95	436.77
29.36	17.04	276.83	421.07
29.38	16.61	264.39	431.53
29.40	16.19	261.27	444.90
29.42	15.64	248.16	451.30
29.44	15.13	242.37	459.44
29.46	14.65	252.37	473.40
29.48	14.44	271.92	503.05
29.50	14.40	273.47	540.84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	14.43	269.03	579.80
29.54	14.14	263.91	587.94
29.56	13.85	259.02	597.82
29.58	13.49	255.46	602.48
29.60	13.21	254.12	606.54
29.62	12.98	251.01	608.87
29.64	12.78	250.56	622.82
29.66	12.52	248.34	629.22
29.68	12.40	244.33	640.27
29.70	12.15	243.44	634.45
29.72	11.87	240.33	627.48
29.74	11.51	234.77	617.01
29.76	11.42	236.32	625.15
29.78	11.31	234.99	629.80
29.80	10.95	233.87	598.40
29.82	10.23	230.10	532.70
29.84	9.03	226.10	452.47
29.86	7.74	226.76	375.72
29.88	6.40	230.10	302.46
29.90	5.18	231.43	255.94
29.92	4.38	263.18	333.27
29.94	3.89	255.40	301.88
29.96	3.56	252.29	283.27
29.98	3.22	237.18	266.99
30.00	2.77	198.96	283.27
30.02	2.47	158.07	336.18
30.04	2.20	131.18	460.02
30.06	2.05	104.29	1071.10
30.08	1.97	81.62	1108.90
30.10	2.08	66.07	1168.20
30.12	3.50	57.40	1349.61
30.14	5.83	53.85	1424.03
30.16	7.04	53.63	1097.27
30.18	7.17	54.96	945.52
30.20	7.43	62.30	888.54
30.22	7.76	74.53	842.60
30.24	7.93	84.97	776.90
30.26	8.15	99.87	724.58
30.28	8.35	121.20	673.99
30.30	8.54	133.65	640.27
30.32	8.74	132.54	612.94
30.34	9.30	133.21	619.33
30.36	9.97	152.10	635.61
30.38	10.27	162.33	619.33
30.40	10.53	169.66	605.38
30.42	10.59	165.89	582.70
30.44	10.58	167.00	555.38
30.46	10.42	167.45	525.72
30.48	10.40	169.23	505.38
30.50	10.17	166.12	472.81

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Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	10.04	164.79	454.79
30.54	10.06	168.79	448.98
30.56	10.50	174.79	478.05
30.58	10.81	183.46	483.86
30.60	10.98	191.69	489.68
30.62	11.09	196.57	491.42
30.64	10.72	165.02	464.68
30.66	9.86	129.02	406.53
30.68	8.51	112.13	322.80
30.70	6.99	118.35	260.60
30.72	5.68	141.47	220.48
30.74	4.99	174.13	204.20
30.76	4.70	206.36	197.80
30.78	4.49	237.25	206.52
30.80	4.67	253.25	242.57
30.82	5.25	250.80	337.34
30.84	6.22	239.25	423.40
30.86	7.05	223.69	472.81
30.88	6.88	199.91	408.28
30.90	6.92	150.20	218.15
30.92	6.59	166.42	191.40
30.94	6.57	185.53	187.91
30.96	7.61	212.20	198.38
30.98	8.75	235.54	223.96
31.00	8.25	214.87	194.31
31.02	6.71	173.31	146.63
31.04	5.60	153.98	121.05
31.06	4.91	175.31	110.00
31.08	4.69	204.87	114.66
31.10	5.27	229.53	141.40
31.12	7.02	242.42	272.22
31.14	9.80	228.20	496.65
31.16	11.52	205.53	524.56
31.18	12.30	181.09	526.89
31.20	13.01	163.31	548.40
31.22	14.22	153.53	614.69
31.24	14.73	153.31	621.66
31.26	14.74	155.31	604.22
31.28	15.06	141.75	637.94
31.30	15.13	127.53	640.85
31.32	15.12	129.30	637.36
31.34	15.05	133.75	638.52
31.36	15.07	143.52	654.80
31.38	14.73	124.41	640.85
31.40	13.92	103.08	579.80
31.42	13.15	104.85	539.68
31.44	12.37	109.96	502.47
31.46	11.34	126.63	458.28
31.48	9.98	154.63	394.32
31.50	7.85	182.85	295.48

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	6.34	213.52	262.92
31.54	5.74	240.63	279.78
31.56	7.10	260.41	380.95
31.58	10.20	271.52	593.17
31.60	12.50	253.96	775.74
31.62	13.73	224.63	865.86
31.64	14.26	195.29	907.72
31.66	14.09	155.29	879.81
31.68	13.92	146.62	870.51
31.70	13.67	149.73	862.95
31.72	13.50	145.95	871.10
31.74	13.74	166.84	922.26
31.76	14.14	187.72	992.03
31.78	14.34	205.50	1037.96
31.80	14.46	215.28	1078.66
31.82	14.54	218.39	1108.32
31.84	14.61	219.94	1142.62
31.86	14.63	218.83	1178.67
31.88	14.70	221.94	1213.56
31.90	14.95	206.43	682.71
31.92	15.60	209.99	715.27
31.94	16.35	207.54	753.06
31.96	16.44	201.77	751.32
31.98	15.96	199.32	693.18
32.00	15.44	199.32	644.92
32.02	15.06	191.98	619.33
32.04	15.02	187.32	627.48
32.06	15.14	188.43	654.22
32.08	15.46	201.98	698.41
32.10	15.65	213.76	730.97
32.12	15.60	215.09	751.90
32.14	15.42	211.53	754.81
32.16	15.20	207.97	762.95
32.18	15.07	206.42	790.28
32.20	14.97	209.97	821.09
32.22	15.02	208.63	862.37
32.24	14.72	205.08	875.16
32.26	13.97	200.18	825.16
32.28	13.01	192.63	765.86
32.30	12.17	184.18	722.83
32.32	11.59	173.29	696.67
32.34	11.33	162.18	702.48
32.36	11.35	153.95	729.22
32.38	11.69	143.73	783.88
32.40	12.18	133.73	840.86
32.42	12.42	129.28	866.44
32.44	12.23	129.50	838.53
32.46	11.86	132.61	795.51
32.48	11.48	137.73	764.11
32.50	11.15	147.50	726.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	10.95	157.06	709.46
32.54	10.99	165.06	714.69
32.56	11.05	165.51	722.83
32.58	11.07	161.06	723.99
32.60	10.88	158.17	700.73
32.62	10.78	152.17	690.27
32.64	10.63	149.06	673.41
32.66	10.44	154.62	647.82
32.68	10.28	161.06	623.99
32.70	10.06	169.28	604.22
32.72	10.06	172.17	601.31
32.74	10.37	171.28	628.64
32.76	10.78	172.17	662.94
32.78	11.24	172.84	698.99
32.80	11.60	166.84	722.25
32.82	11.81	160.84	733.30
32.84	11.44	151.06	682.13
32.86	10.28	147.50	561.19
32.88	7.68	123.96	336.18
32.90	5.57	141.74	232.10
32.92	3.92	157.74	176.29
32.94	2.95	176.85	151.29
32.96	2.53	193.96	143.15
32.98	2.33	194.63	143.15
33.00	2.23	171.29	149.54
33.02	1.97	147.52	156.52
33.04	1.86	122.85	471.65
33.06	1.78	99.96	781.55
33.08	1.73	74.62	780.97
33.10	1.69	46.40	778.65
33.12	1.67	38.40	770.50
33.14	1.67	41.73	759.46
33.16	1.67	39.29	747.83
33.18	1.74	37.29	744.92
33.20	2.11	36.18	779.23
33.22	2.98	37.96	873.42
33.24	4.02	43.96	865.86
33.26	4.28	51.30	732.13
33.28	3.95	52.19	611.20
33.30	3.54	57.08	519.91
33.32	3.19	65.30	450.14
33.34	3.16	75.08	489.10
33.36	3.59	81.09	533.29
33.38	3.53	90.20	481.54
33.40	3.24	97.98	421.65
33.42	2.89	97.98	400.72
33.44	2.62	93.09	403.62
33.46	2.40	92.21	403.04
33.48	2.16	89.54	438.51
33.50	2.05	88.21	512.93

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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova 2

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.52	2.00	84.66	532.12
33.54	1.93	78.44	605.38
33.56	1.93	65.55	672.25
33.58	2.04	55.55	705.97
33.60	2.17	49.11	810.04
33.62	2.20	45.56	814.11
33.64	2.13	46.89	783.30
33.66	2.01	49.56	723.99
33.68	1.92	52.23	696.09
33.70	1.94	54.45	703.64
33.72	2.04	54.68	749.58
33.74	2.11	53.34	772.25
33.76	2.01	55.35	735.04
33.78	1.88	55.13	703.64
33.80	1.83	53.13	761.20
33.82	1.83	49.35	825.74
33.84	1.82	46.46	847.26
33.86	1.87	45.35	882.72
33.88	1.95	33.41	1200.18
33.90	1.88	34.30	1145.53
33.92	1.84	37.64	1139.13
33.94	1.85	38.30	1178.67
33.96	1.87	37.19	1165.88
33.98	1.85	39.86	1140.88
34.00	1.87	42.08	1143.79
34.02	1.93	42.08	1150.18
34.04	2.07	40.08	1156.58
34.06	2.33	35.64	1151.92
34.08	2.92	36.31	1190.88
34.10	4.14	43.42	1147.85
34.12	6.23	51.64	1235.65
34.14	8.27	59.42	346.65
34.16	9.49	70.53	248.97
34.18	10.09	82.98	255.94
34.20	10.56	72.31	265.25
34.22	11.05	82.53	293.15
34.24	11.44	98.76	316.99
34.26	11.59	110.09	316.99
34.28	11.72	117.42	328.04
34.30	11.99	126.31	353.62
34.32	12.23	135.64	379.20
34.34	12.18	144.98	391.41
34.36	11.90	150.98	391.41
34.38	11.80	156.08	404.79
34.40	11.78	162.53	422.81
34.42	11.86	170.75	443.74
34.44	12.18	178.08	478.63
34.46	12.79	184.97	539.68
34.48	13.34	189.85	597.82
34.50	13.85	190.29	652.48

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.52	14.35	187.85	700.73
34.54	14.78	187.84	454.79
34.56	15.11	188.51	367.58
34.58	15.33	186.95	421.07
34.60	15.52	184.95	465.26
34.62	15.70	180.50	392.00
34.64	15.79	173.83	405.95
34.66	15.65	168.27	424.56
34.68	15.37	164.71	401.88
34.70	15.17	165.60	396.65
34.72	14.94	165.60	387.93
34.74	14.46	165.59	380.95
34.76	13.90	168.03	365.83
34.78	13.46	167.59	385.02
34.80	13.36	164.92	420.49
34.82	13.74	159.58	423.40
34.84	14.53	156.25	476.30
34.86	15.81	147.37	554.21
34.88	16.20	145.37	512.93
34.90	16.24	145.14	459.44
34.92	16.11	148.03	435.60
34.94	15.92	155.81	420.49
34.96	15.82	163.59	422.23
34.98	15.80	172.92	432.70
35.00	15.76	183.36	440.26
35.02	15.81	191.36	452.47
35.04	15.84	195.58	460.60
35.06	15.88	200.03	471.65
35.08	16.00	204.25	492.00
35.10	16.02	208.69	492.59
35.12	16.05	211.35	494.91
35.14	15.95	212.24	486.19
35.16	15.65	210.46	473.98
35.18	15.04	210.68	412.35
35.20	14.06	212.67	378.62
35.22	13.21	211.34	357.69
35.24	12.69	203.11	361.18
35.26	12.55	193.11	386.18
35.28	12.64	186.00	418.74
35.30	12.57	177.33	428.63
35.32	12.48	167.55	435.60
35.34	12.49	155.77	444.32
35.36	12.78	146.21	465.84
35.38	13.32	140.43	492.59
35.40	13.89	140.20	527.47
35.42	14.35	143.53	556.54
35.44	14.86	148.42	535.61
35.46	15.36	153.53	500.72
35.48	15.75	158.86	487.35
35.50	15.93	167.08	464.68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.52	16.39	174.42	477.47
35.54	16.95	182.86	479.21
35.56	16.95	193.97	457.12
35.58	17.23	200.42	447.23
35.60	17.22	207.31	429.21
35.62	17.14	213.75	412.93
35.64	17.10	217.08	401.88
35.66	17.13	220.20	393.74
35.68	17.13	221.97	386.18
35.70	16.99	221.31	373.97
35.72	16.69	218.86	357.11
35.74	16.52	215.97	347.23
35.76	16.50	213.53	347.81
35.78	16.53	211.75	344.90
35.80	16.62	211.53	346.06
35.82	16.58	210.64	345.48
35.84	19.37	129.27	1090.88
35.86	17.68	145.94	892.02
35.88	16.21	163.28	730.39
35.90	14.90	178.61	611.78
35.92	14.05	190.39	543.17
35.94	13.32	197.72	499.56
35.96	12.76	197.94	470.49
35.98	12.37	194.38	455.37
36.00	12.06	188.38	443.74
36.02	11.87	181.49	441.42
36.04	11.76	173.26	444.32
36.06	11.86	163.70	463.51
36.08	12.25	155.93	500.14
36.10	13.03	149.70	577.47
36.12	14.14	145.26	682.71
36.14	15.11	143.48	765.86
36.16	15.79	144.14	833.30
36.18	16.27	151.03	876.33
36.20	16.43	161.03	894.93
36.22	16.65	173.25	921.68
36.24	16.80	190.59	940.87
36.26	16.83	208.59	954.82
36.28	16.67	224.37	945.52
36.30	16.45	234.81	946.10
36.32	16.36	241.25	955.40
36.34	16.27	241.70	967.03
36.36	16.03	239.47	962.96
36.38	15.86	235.70	964.70
36.40	15.74	232.58	973.42
36.42	15.69	231.25	997.26
36.44	15.57	228.58	1000.17
36.46	15.26	227.47	975.17
36.48	14.85	224.58	949.59
36.50	14.44	223.91	915.28

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BAGNOLO S. VITO - MN -**

Cantiere **SOVRAPASSO N° 112**

Data **19/05/11**

Preforo **0.50 m. p.c.** Falda **2.60 ml**

Prova **2**

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.52	14.15	223.24	900.75
36.54	13.98	222.58	893.77
36.56	13.90	218.57	889.12
36.58	13.89	213.91	895.51
36.60	13.82	209.91	892.02
36.62	13.88	205.68	899.59
36.64	14.25	203.02	939.70
36.66	14.80	204.35	985.05
36.68	15.77	202.35	1064.71
36.70	16.55	205.02	1114.13
36.72	17.20	207.69	1138.55
36.74	17.02	222.13	1040.87
36.76	17.64	227.48	804.23
36.78	18.11	231.49	588.52
36.80	3.09	94.43	529.80
36.82	2.93	92.43	574.57
36.84	2.70	89.99	623.40
36.86	2.52	87.10	414.67
36.88	2.43	81.10	425.14
36.90	2.41	75.54	428.05
36.92	2.47	68.88	423.40
36.94	2.59	62.66	420.49
36.96	2.83	60.21	412.93
36.98	4.62	60.44	410.60
37.00	6.80	55.99	405.95
37.02	6.64	51.55	398.98
37.04	5.38	54.22	376.88
37.06	4.24	73.55	337.92
37.08	3.72	100.67	278.62
37.10	3.08	135.62	220.48
37.12	2.62	152.73	171.63
37.14	2.33	155.84	137.33
37.16	2.21	147.61	104.77
37.18	2.16	135.61	94.89
37.20	2.19	114.28	89.07
37.22	2.16	93.61	136.17
37.24	2.16	61.61	296.64
37.26	2.21	44.72	356.53
37.28	2.26	36.94	418.74
37.30	2.33	35.61	644.92
37.32	2.39	34.72	759.46
37.34	2.51	35.61	840.28
37.36	2.79	35.61	818.19
37.38	3.12	37.39	845.51
37.40	3.48	39.39	927.49
37.42	3.65	39.83	992.61
37.44	3.70	39.61	1003.08
37.46	3.72	40.06	961.21
37.48	3.89	40.50	928.08
37.50	4.32	44.50	906.56

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.52	4.83	49.84	981.57
37.54	5.38	54.51	1035.64
37.56	7.00	61.39	1042.03
37.58	9.16	74.06	1020.52
37.60	9.59	81.17	979.82
37.62	8.94	69.40	986.22
37.64	8.14	71.62	1010.06
37.66	7.54	88.29	1037.96
37.68	7.07	109.62	1010.64
37.70	6.76	129.62	983.89
37.72	7.19	145.40	953.08
37.74	9.04	160.29	890.86
37.76	11.01	158.51	874.58
37.78	11.74	152.73	880.98
37.80	11.65	119.84	900.75
37.82	11.40	103.83	925.75
37.84	11.37	107.39	760.62
37.86	11.90	119.16	675.73
37.88	12.42	119.38	589.10
37.90	11.12	126.94	542.59
37.92	9.11	144.71	537.35
37.94	7.26	146.04	517.00
37.96	6.76	163.15	617.59
37.98	6.75	179.59	725.74
38.00	7.28	194.70	744.34
38.02	8.33	210.26	700.73
38.04	9.68	209.81	698.41
38.06	11.18	184.69	713.53
38.08	12.51	131.38	707.71
38.10	12.81	125.82	727.48
38.12	12.68	118.49	754.81
38.14	11.98	108.49	781.55
38.16	11.12	105.82	828.65
38.18	10.55	100.71	864.70
38.20	10.31	105.59	917.61
38.22	10.14	111.81	975.75
38.24	10.43	124.26	955.40
38.26	11.84	141.81	956.56
38.28	14.31	156.03	950.17
38.30	15.22	168.70	946.10
38.32	15.70	178.47	944.93
38.34	15.89	180.92	1019.36
38.36	15.38	149.58	1062.39
38.38	14.92	128.25	1115.88
38.40	14.80	118.91	1114.71
38.42	14.71	112.46	1128.09
38.44	14.60	110.46	1140.30
38.46	14.51	123.79	1139.71
38.48	14.60	138.90	1102.50
38.50	14.56	147.34	1085.64

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.52	13.90	150.45	1085.64
38.54	13.03	149.78	1133.90
38.56	11.79	148.00	1171.69
38.58	10.50	157.11	817.60
38.60	9.67	165.99	833.30
38.62	9.39	182.21	791.44
38.64	10.04	199.32	783.30
38.66	11.68	219.54	842.02
38.68	12.23	233.76	937.38
38.70	12.45	218.64	1011.22
38.72	12.69	189.08	1082.73
38.74	12.56	151.53	1107.73
38.76	12.32	120.63	1040.87
38.78	12.27	107.52	989.12
38.80	12.12	96.41	924.00
38.82	11.99	96.40	840.28
38.84	11.74	99.29	806.56
38.86	11.33	107.96	1053.66
38.88	10.85	118.18	1019.94
38.90	10.49	126.18	1014.12
38.92	9.96	125.73	1037.96
38.94	9.22	127.07	1082.73
38.96	8.47	132.40	1094.94
38.98	7.72	138.62	1056.57
39.00	6.77	143.73	928.66
39.02	5.92	146.18	926.91
39.04	5.24	155.06	985.05
39.06	4.50	159.95	1048.43
39.08	3.38	166.46	1094.36
39.10	3.44	159.57	1142.62
39.12	2.99	151.13	1175.76
39.14	2.56	137.79	1211.23
39.16	2.32	119.79	1239.14
39.18	2.34	99.79	1272.86
39.20	2.42	80.23	1309.49
39.22	2.43	63.35	1362.40
39.24	2.35	50.23	1382.75
39.26	2.20	43.57	1395.54
39.28	2.19	40.46	1404.85
39.30	2.30	35.79	1370.54
39.32	2.70	34.24	1385.08
39.34	3.56	36.90	1504.27
39.36	4.75	37.57	1681.02
39.38	6.29	43.35	1760.68
39.40	8.87	58.46	1663.00
39.42	12.09	78.69	1522.88
39.44	13.07	82.91	1428.10
39.46	12.81	89.58	1329.84
39.48	12.75	103.81	1238.56
39.50	12.51	120.70	1206.00

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Committente AUTOBRENNERO SPA

Località BAGNOLO S. VITO - MN -

Cantiere SOVRAPASSO N° 112

Data 19/05/11

Preforo 0.50 m. p.c. Falda 2.60 ml

Prova 2

Cert. N. 569/2011

Emesso il 19/05/11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.52	12.40	126.92	1196.11
39.54	12.17	132.48	1222.86
39.56	12.28	124.26	1253.09
39.58	12.69	129.14	1272.86
39.60	13.19	134.03	1307.17
39.62	13.47	139.14	1323.45
39.64	13.90	124.25	1334.49
39.66	13.73	115.58	1326.93
39.68	13.84	110.47	1292.63
39.70	13.85	113.13	1303.10
39.72	13.60	119.80	1321.70
39.74	13.34	138.02	1346.12
39.76	13.37	157.80	1385.66
39.78	13.39	174.91	1372.29
39.80	13.36	188.90	1356.00
39.82	13.28	191.34	1022.27
39.84	13.05	189.12	1021.10
39.86	12.81	187.34	978.08
39.88	12.64	182.89	952.50
39.90	12.34	183.33	918.77
39.92	12.02	181.55	951.33
39.94	11.55	180.65	1032.15
39.96	11.48	173.76	1129.25
39.98	11.87	164.65	1160.06
40.00	12.15	160.64	1760.68
40.02	12.48	157.53	1663.00
40.04	12.77	159.53	1522.88
40.06	13.08	149.97	1428.10
40.08	16.14	115.95	1329.84
40.10	15.89	119.28	1238.56
40.12	15.22	125.28	1206.00
40.14	15.07	128.39	1196.11
40.16	15.04	139.72	1222.86
40.18	14.62	155.05	1253.09
40.20	14.10	166.82	1272.86
40.22	13.48	172.82	1307.17
40.24	13.11	177.26	1323.45
40.26	13.07	180.59	1334.49
40.28	13.36	185.26	1326.93
40.30	13.96	180.81	1292.63
40.32	14.62	174.36	1303.10
40.34	15.07	165.47	1321.70
40.36	15.33	166.80	1346.12
40.38	15.27	167.91	1385.66
40.40	14.71	170.36	1372.29
40.42	15.03	170.58	1356.00
40.44	15.28	176.80	1022.27
40.46	15.66	187.69	1021.10
40.48	16.21	197.46	978.08
40.50	16.41	204.35	952.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.52	16.40	215.46	918.77
40.54	16.07	220.35	951.33
40.56	15.88	218.79	1032.15
40.58	15.41	217.68	1129.25
40.60	14.94	226.13	1160.06
40.62	14.56	240.35	1011.22
40.64	14.61	242.79	1082.73
40.66	14.69	229.68	1107.73
40.68	14.27	223.90	1040.87
40.70	13.71	213.01	989.12
40.72	13.82	203.00	924.00
40.74	14.23	190.34	840.28
40.76	13.89	164.34	806.56
40.78	13.58	154.56	1053.66
40.80	13.48	149.67	1019.94
40.82	13.46	147.00	1014.12
40.84	12.97	139.89	1037.96
40.86	13.60	138.78	1082.73
40.88	14.26	139.67	1094.94
40.90	14.07	141.67	1056.57
40.92	13.54	133.23	928.66
40.94	13.18	117.89	926.91
40.96	12.92	121.23	985.05
40.98	11.79	119.45	1048.43
41.00	10.41	120.35	144.89
41.02	9.52	133.24	171.05
41.04	11.99	323.85	196.06
41.06	11.23	314.08	218.73
41.08	10.64	298.52	246.06
41.10	10.26	291.19	260.60
41.12	10.19	271.40	270.48
41.14	10.22	248.07	280.94
41.16	10.09	225.18	289.09
41.18	10.20	207.62	296.06
41.20	9.68	194.06	298.97
41.22	9.50	189.17	300.13
41.24	9.67	187.84	301.88
41.26	9.89	187.84	307.11
41.28	9.60	184.73	308.27
41.30	8.87	172.95	307.11
41.32	7.76	148.51	309.43
41.34	6.48	126.29	425.72
41.36	5.48	112.95	483.86
41.38	5.06	111.62	645.50
41.40	5.34	122.74	776.32
41.42	5.93	126.30	836.79
41.44	5.76	120.30	878.07
41.46	5.52	111.64	889.70
41.48	5.25	103.20	881.56
41.50	5.18	102.31	854.23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.52	4.86	97.43	819.35
41.54	4.56	91.21	793.18
41.56	4.14	87.66	787.95
41.58	3.87	89.44	783.30
41.60	3.78	89.00	774.00
41.62	3.81	85.89	767.60
41.64	3.77	84.78	763.53
41.66	3.57	84.79	753.06
41.68	3.27	87.46	735.62
41.70	3.09	82.80	730.97
41.72	3.08	75.47	741.43
41.74	3.95	68.13	759.46
41.76	5.99	67.70	778.07
41.78	6.33	63.70	811.20
41.80	5.82	75.03	852.49
41.82	5.07	134.82	911.21
41.84	4.18	187.26	1004.24
41.86	3.76	205.49	1119.36
41.88	3.60	203.05	1194.95
41.90	3.64	207.50	1244.95
41.92	3.77	205.28	170.47
41.94	3.57	177.94	160.00
41.96	3.23	159.49	154.19
41.98	3.31	149.05	148.96
42.00	3.46	148.39	147.21
42.02	3.45	146.39	140.82
42.04	3.31	158.83	130.93
42.06	3.36	139.82	114.08
42.08	3.23	149.60	98.38
42.10	3.17	155.37	89.07
42.12	3.26	160.04	87.91
42.14	3.33	154.04	83.84
42.16	3.44	128.92	80.35
42.18	3.44	109.37	78.60
42.20	3.44	108.03	75.70
42.22	3.43	106.92	71.05
42.24	3.45	106.03	68.14
42.26	3.62	108.03	64.65
42.28	3.89	113.14	63.49
42.30	4.36	114.92	64.07
42.32	5.93	117.80	64.65
42.34	9.09	117.36	65.81
42.36	11.81	115.36	66.40
42.38	13.24	105.58	67.56
42.40	13.62	90.03	69.89
42.42	13.29	84.69	71.05
42.44	12.87	87.81	71.05
42.46	12.27	97.36	72.21
42.48	11.87	112.92	70.47
42.50	11.09	130.92	71.63







# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01472	COMM.	004CM07	PAG.	1	DI	2	Verbale di accettazione C004/07
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto					

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

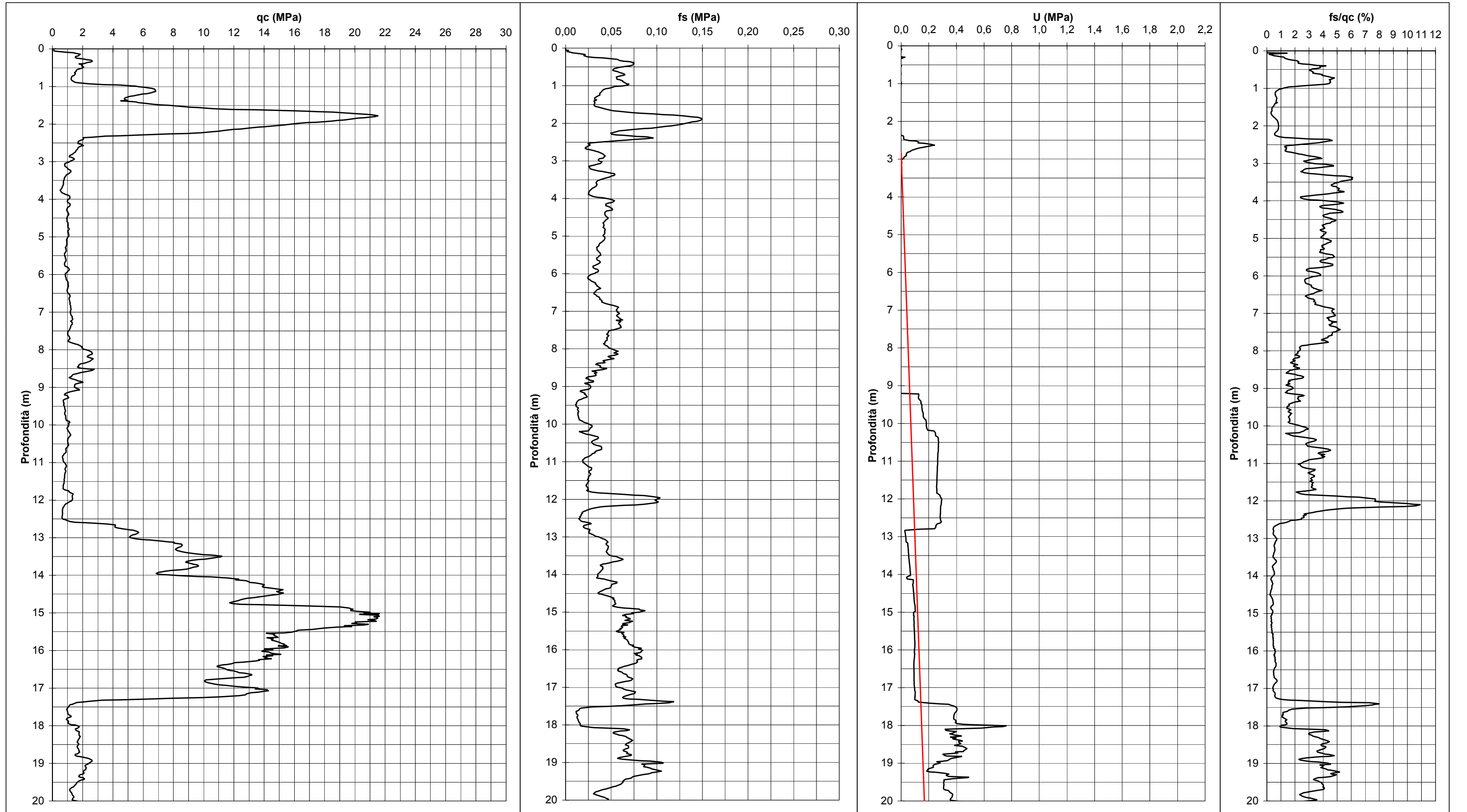
PROVA N°: CPT 6      DATA PROVA: 13/03/2007      OPERATORE: P.I. E. CALORE

Punta M 18      Quota p.c.: - m.s.l.m.      Coordinate X - Y -

Preforo - m      Livello acqua 2.80 m da p.c.      Profondità finale 30,10 m da p.c.

NOTE -

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01472	COMM.	004CM07	PAG.	2	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

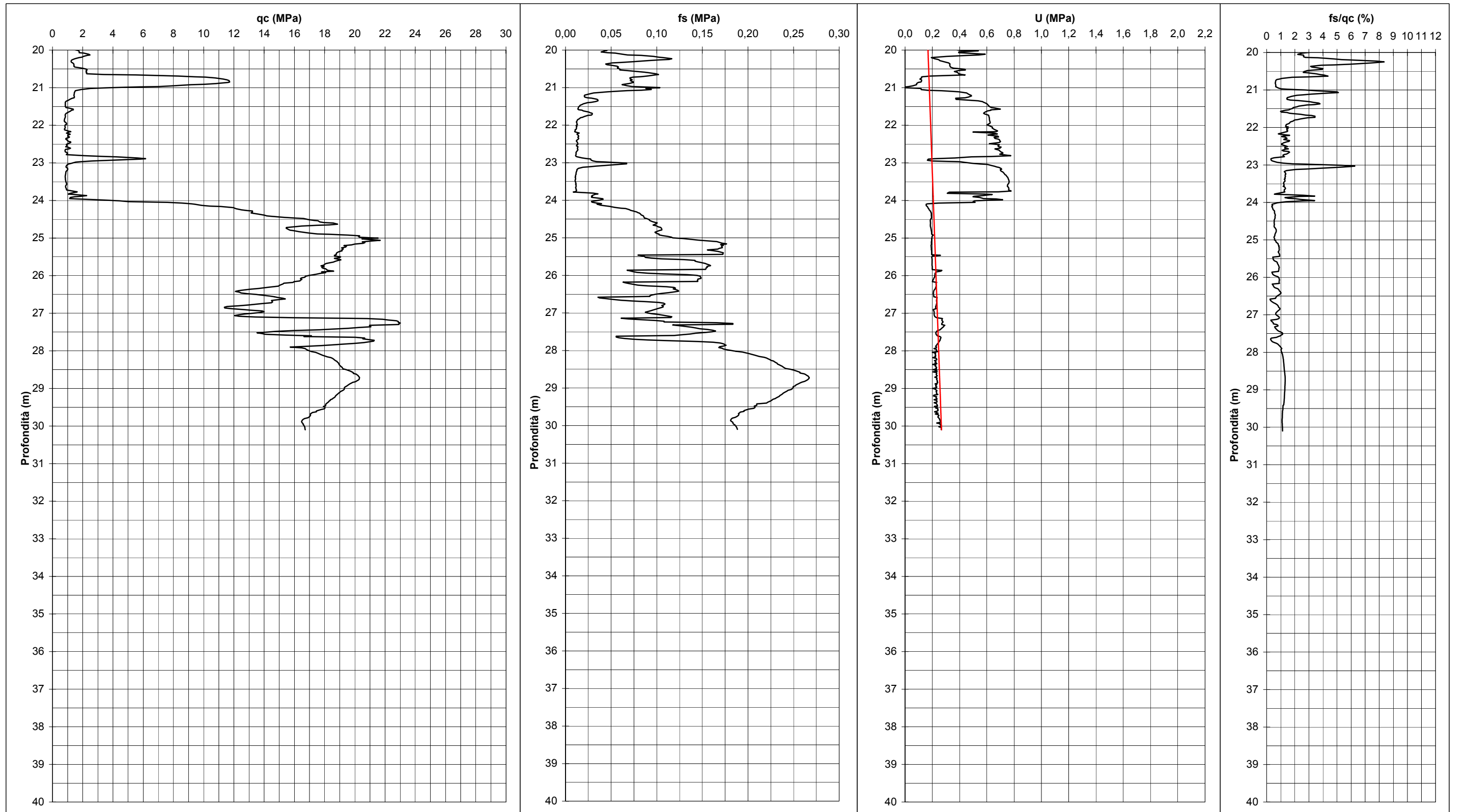
PROVA N°: CPT 6      DATA PROVA: 13/03/2007      OPERATORE: P.I. E. CALORE

Punta: M 18      Quota p.c.: - m.s.l.m.      Coordinate X: -      Y: -

Preforo: - m      Livello acqua: 2.80 m da p.c.      Profondità finale: 30,10 m da p.c.

NOTE: -

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200

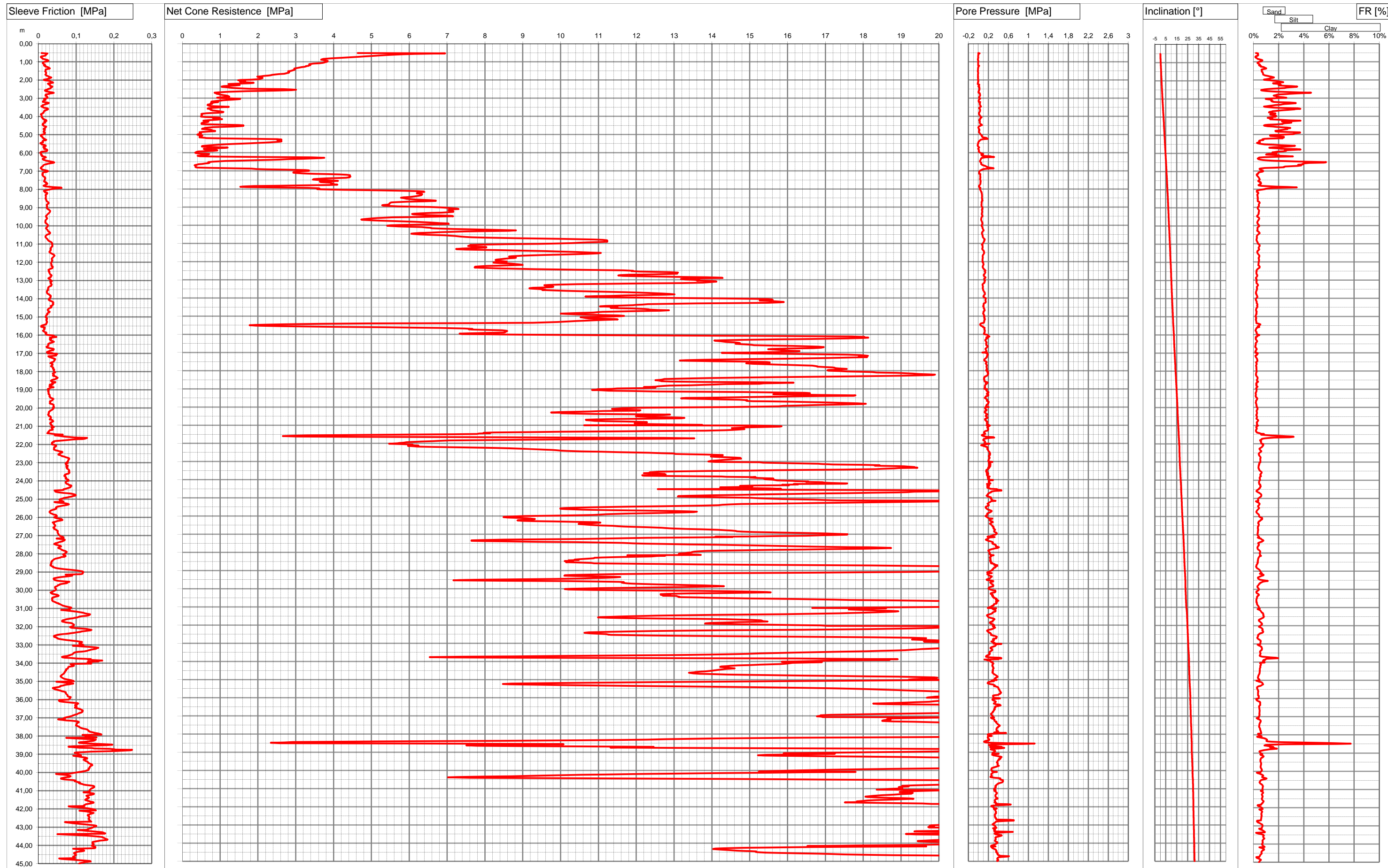


Committente AUTOBRENNERO SPA  
Località VIA ARGINE ZARA - PEGOGNAGA  
Cantiere SOVRAPASSO 115  
Operatore dr.stanzani  
Prova nr. 1 Cert. N. 362/2012  
Data 27/06/12 Emesso il 28/06/2012  
Falda 4,00 ml  
Preforo 0.50 m. p.c.

### MN-CPTU17



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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c. Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0,52	4,63	8,82	-2,21
0,54	6,95	24,16	24,53
0,56	6,30	20,82	5,93
0,58	5,96	22,38	0,70
0,60	5,69	19,93	-1,63
0,62	5,48	19,93	-2,21
0,64	5,33	19,93	-2,21
0,66	5,16	18,16	-2,80
0,68	4,97	13,49	-4,54
0,70	4,79	8,60	-4,54
0,72	4,66	7,27	-4,54
0,74	4,52	6,60	-5,12
0,76	4,43	7,49	-1,63
0,78	4,30	9,05	-3,38
0,80	4,08	10,60	-5,70
0,82	3,89	11,27	-8,02
0,84	3,73	12,16	-8,61
0,86	3,70	16,16	-9,77
0,88	3,67	20,83	-10,35
0,90	3,72	24,38	-9,77
0,92	3,75	26,61	-8,61
0,94	3,82	26,83	-3,38
0,96	3,85	25,28	-2,80
0,98	3,84	21,72	-3,38
1,00	3,82	17,28	-3,96
1,02	3,78	14,39	-4,54
1,04	3,75	13,06	-4,54
1,06	3,72	11,51	-5,70
1,08	3,62	12,17	-5,70
1,10	3,47	13,06	-5,70
1,12	3,37	14,62	-6,28
1,14	3,35	16,40	-6,28
1,16	3,39	17,29	-6,28
1,18	3,39	15,96	-5,70
1,20	3,36	15,07	-5,70
1,22	3,34	19,57	14,07
1,24	3,27	18,24	8,83
1,26	3,27	18,68	2,44
1,28	3,22	23,13	-1,63
1,30	3,15	26,24	-3,38
1,32	3,09	28,02	-4,54
1,34	3,05	28,46	-5,70
1,36	2,98	30,69	-6,86
1,38	2,96	29,36	-7,44
1,40	2,97	23,58	-8,02
1,42	2,97	20,02	-8,02
1,44	2,97	18,91	-8,61
1,46	2,93	19,58	-9,19
1,48	2,91	19,36	-9,77
1,50	2,87	18,92	-10,35

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1,52	2,80	18,48	-11,51
1,54	2,80	18,70	-10,93
1,56	2,82	20,04	-8,61
1,58	2,83	20,93	-6,86
1,60	2,82	20,71	-6,86
1,62	2,77	20,71	-6,86
1,64	2,74	20,72	-6,86
1,66	2,69	20,72	-6,86
1,68	2,56	19,61	-7,44
1,70	2,44	18,72	-7,44
1,72	2,38	19,39	-7,44
1,74	2,34	20,95	-7,44
1,76	2,26	22,29	-7,44
1,78	2,17	25,62	-8,61
1,80	2,08	26,74	-8,61
1,82	1,98	28,07	-8,02
1,84	2,01	30,97	-6,86
1,86	2,10	34,52	-8,02
1,88	2,12	32,97	-9,19
1,90	2,12	29,86	-7,44
1,92	2,09	27,20	-6,86
1,94	2,06	24,98	-6,28
1,96	2,02	21,21	-6,28
1,98	1,83	15,21	-7,44
2,00	1,54	15,21	-8,61
2,02	1,48	20,55	-7,44
2,04	1,59	26,77	-3,38
2,06	1,66	31,22	0,70
2,08	1,57	32,34	-4,54
2,10	1,53	34,12	-6,86
2,12	1,57	38,12	-8,02
2,14	1,79	39,45	-6,28
2,16	1,89	35,68	-7,44
2,18	1,79	28,35	-9,19
2,20	1,54	25,46	-11,51
2,22	1,22	26,13	-13,84
2,24	1,32	28,19	-1,05
2,26	1,38	30,64	15,23
2,28	1,52	30,86	18,14
2,30	1,44	30,86	11,16
2,32	1,24	31,31	4,77
2,34	1,10	34,64	1,28
2,36	1,04	37,53	0,70
2,38	1,04	36,64	18,14
2,40	1,14	33,76	19,88
2,42	1,25	33,31	19,88
2,44	1,32	33,09	19,30
2,46	1,52	32,65	20,46
2,48	1,73	27,54	20,46
2,50	2,27	25,54	22,79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2,52	2,88	25,10	22,21
2,54	3,01	20,21	18,72
2,56	2,89	17,77	15,81
2,58	2,57	17,33	12,32
2,60	2,11	18,44	8,25
2,62	1,64	20,89	4,77
2,64	1,35	25,78	2,44
2,66	1,17	30,89	0,11
2,68	0,98	37,12	-1,05
2,70	0,85	40,90	3,60
2,72	0,87	37,34	22,79
2,74	0,90	31,12	26,86
2,76	0,91	27,35	28,02
2,78	0,96	23,57	29,19
2,80	1,00	19,57	31,51
2,82	1,04	19,13	34,42
2,84	1,11	19,58	34,42
2,86	1,17	19,14	32,68
2,88	1,21	22,03	29,19
2,90	1,22	23,14	24,53
2,92	1,24	23,36	21,63
2,94	1,15	24,70	16,98
2,96	0,99	24,70	13,49
2,98	0,92	24,70	13,49
3,00	1,03	19,82	21,05
3,02	1,29	16,71	32,09
3,04	1,53	14,93	29,19
3,06	1,49	17,60	21,05
3,08	1,34	19,60	14,07
3,10	1,20	17,16	9,42
3,12	1,08	15,39	5,93
3,14	1,00	14,28	4,19
3,16	0,87	13,61	3,60
3,18	0,80	11,84	4,77
3,20	0,77	12,51	7,09
3,22	0,95	19,90	35,58
3,24	0,85	25,23	26,86
3,26	0,80	27,67	23,95
3,28	0,75	26,12	24,53
3,30	0,80	23,45	29,19
3,32	0,77	19,67	30,35
3,34	0,73	17,23	28,02
3,36	0,68	14,78	28,02
3,38	0,67	11,90	32,09
3,40	0,69	10,56	36,16
3,42	0,71	9,45	40,23
3,44	0,75	8,12	46,05
3,46	1,07	9,01	51,86
3,48	1,23	11,46	44,30
3,50	1,07	14,12	33,26

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3,52	0,92	14,79	21,05
3,54	0,79	20,35	14,65
3,56	0,68	24,79	15,81
3,58	0,67	25,91	21,63
3,60	0,76	25,91	27,44
3,62	0,74	24,58	30,35
3,64	0,75	21,24	32,68
3,66	0,78	19,24	33,26
3,68	0,80	16,36	32,09
3,70	0,92	16,58	31,51
3,72	0,98	15,25	29,77
3,74	1,02	14,80	28,02
3,76	1,09	14,14	23,95
3,78	1,08	13,47	20,46
3,80	0,97	13,92	15,23
3,82	0,80	12,36	10,58
3,84	0,63	11,25	8,83
3,86	0,52	7,92	10,00
3,88	0,50	6,81	14,07
3,90	0,53	7,03	19,88
3,92	0,53	7,92	21,63
3,94	0,51	8,81	25,70
3,96	0,51	9,26	29,77
3,98	0,51	9,04	35,58
4,00	0,50	9,04	39,07
4,02	0,50	8,82	43,14
4,04	0,64	9,26	52,44
4,06	0,88	11,26	64,07
4,08	1,00	11,26	53,60
4,10	0,89	11,04	37,90
4,12	0,81	12,38	32,68
4,14	0,97	14,82	39,65
4,16	1,05	14,16	33,26
4,18	0,93	17,94	21,63
4,20	0,83	20,84	28,02
4,22	0,68	19,95	18,14
4,24	0,56	21,73	18,14
4,26	0,58	18,62	25,11
4,28	0,69	15,95	30,35
4,30	0,69	17,73	28,60
4,32	0,65	18,84	25,11
4,34	0,57	17,73	23,95
4,36	0,53	15,51	25,70
4,38	0,51	13,06	29,77
4,40	0,51	11,95	33,84
4,42	0,51	11,95	39,07
4,44	0,62	11,28	47,21
4,46	0,98	11,51	62,33
4,48	1,48	13,95	73,38
4,50	1,62	13,73	50,70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4,52	1,62	15,07	36,16
4,54	1,56	17,73	22,79
4,56	1,34	21,07	11,74
4,58	1,07	20,40	4,77
4,60	0,82	19,07	0,11
4,62	0,68	18,85	-1,63
4,64	0,60	17,96	0,11
4,66	0,57	15,07	4,77
4,68	0,53	13,96	7,67
4,70	0,52	14,40	11,16
4,72	0,64	15,96	16,40
4,74	0,75	17,51	20,46
4,76	0,78	16,85	19,88
4,78	0,77	15,29	15,23
4,80	0,87	15,29	17,56
4,82	0,87	15,51	16,40
4,84	0,72	13,96	11,16
4,86	0,53	14,40	7,67
4,88	0,46	17,51	11,74
4,90	0,46	17,51	17,56
4,92	0,47	16,62	23,37
4,94	0,48	15,96	29,77
4,96	0,50	16,63	35,58
4,98	0,45	14,40	37,32
5,00	0,40	10,40	41,40
5,02	0,40	7,52	50,70
5,04	0,48	6,40	63,49
5,06	0,53	7,07	73,38
5,08	0,52	7,07	69,89
5,10	0,48	9,52	66,98
5,12	0,46	11,29	72,79
5,14	0,46	11,29	79,77
5,16	0,46	11,29	88,49
5,18	0,59	12,86	153,03
5,20	0,63	15,08	154,19
5,22	1,06	14,41	170,47
5,24	1,98	17,30	187,91
5,26	2,51	17,75	100,12
5,28	2,62	21,08	55,35
5,30	2,57	20,19	38,49
5,32	2,51	13,97	32,68
5,34	2,56	11,75	26,28
5,36	2,62	11,52	19,88
5,38	2,62	11,30	12,90
5,40	2,57	12,86	4,19
5,42	2,45	12,64	0,11
5,44	2,25	8,86	-2,80
5,46	2,08	5,75	-3,96
5,48	1,86	7,08	-4,54
5,50	1,61	7,75	-6,86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5,52	1,38	8,86	-8,61
5,54	1,18	10,64	-10,35
5,56	0,99	15,97	-12,10
5,58	0,83	18,41	-13,26
5,60	0,69	19,75	-15,00
5,62	0,58	19,75	-13,84
5,64	0,53	16,41	-9,77
5,66	0,51	13,97	-5,70
5,68	0,58	13,52	-0,47
5,70	0,87	13,97	10,00
5,72	1,20	15,30	15,81
5,74	1,12	17,30	6,51
5,76	0,88	17,30	-1,05
5,78	0,70	15,52	-6,28
5,80	0,57	20,19	-5,12
5,82	0,60	23,30	1,28
5,84	0,72	23,74	6,51
5,86	0,90	23,52	11,16
5,88	0,93	23,52	8,25
5,90	0,82	21,74	5,35
5,92	0,62	15,08	3,60
5,94	0,43	8,19	5,35
5,96	0,38	6,63	11,74
5,98	0,36	5,52	21,05
6,00	0,34	5,52	32,09
6,02	0,35	6,63	45,47
6,04	0,42	7,74	62,91
6,06	0,62	7,74	85,59
6,08	0,71	7,52	96,05
6,10	0,70	7,08	72,79
6,12	0,59	9,97	58,26
6,14	0,51	10,63	64,07
6,16	0,47	9,30	68,72
6,18	0,40	10,63	80,35
6,20	0,47	15,31	232,10
6,22	0,91	17,53	253,03
6,24	2,27	20,42	312,34
6,26	3,41	16,64	145,47
6,28	3,76	15,97	78,60
6,30	3,67	15,31	60,00
6,32	3,45	11,52	55,93
6,34	3,15	11,52	51,86
6,36	2,81	12,64	47,79
6,38	2,57	13,75	44,89
6,40	2,32	17,30	42,56
6,42	1,97	20,41	39,07
6,44	1,49	24,86	33,26
6,46	1,14	29,52	29,77
6,48	0,95	35,08	29,77
6,50	0,81	39,97	32,68

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova **1**  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6,52	0,69	42,19	39,65
6,54	0,69	40,85	51,28
6,56	0,72	33,30	57,10
6,58	0,69	28,85	57,68
6,60	0,60	24,63	56,51
6,62	0,52	21,08	51,28
6,64	0,43	17,52	56,51
6,66	0,40	14,85	69,30
6,68	0,35	13,52	76,28
6,70	0,33	12,85	98,96
6,72	0,35	12,63	123,96
6,74	0,36	11,29	143,15
6,76	0,36	9,29	155,94
6,78	0,35	8,63	165,82
6,80	0,35	8,63	185,01
6,82	0,39	6,63	209,43
6,84	0,71	6,41	258,27
6,86	1,36	7,96	303,62
6,88	1,83	8,85	194,89
6,90	1,97	9,52	108,84
6,92	2,24	11,52	87,33
6,94	2,74	16,63	72,21
6,96	3,26	20,41	55,93
6,98	3,35	24,85	39,65
7,00	3,35	25,74	30,35
7,02	3,24	25,07	22,21
7,04	3,07	22,18	18,14
7,06	2,98	15,29	16,98
7,08	2,93	12,63	16,40
7,10	2,93	11,29	15,81
7,12	3,00	11,07	15,81
7,14	3,16	11,96	15,81
7,16	3,40	12,41	16,40
7,18	3,80	10,63	39,07
7,20	4,13	10,63	37,32
7,22	4,35	11,29	36,16
7,24	4,43	11,52	35,00
7,26	4,43	12,63	35,00
7,28	4,43	13,96	35,58
7,30	4,41	14,85	36,74
7,32	4,45	16,40	37,90
7,34	4,42	17,51	38,49
7,36	4,42	17,96	39,07
7,38	4,32	18,62	39,07
7,40	4,07	18,62	37,32
7,42	3,80	17,73	35,58
7,44	3,57	17,29	34,42
7,46	3,48	17,29	34,42
7,48	3,45	16,84	35,00
7,50	3,56	16,84	36,74

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7,52	3,80	16,18	40,23
7,54	4,05	15,51	43,14
7,56	4,12	15,28	44,30
7,58	3,92	15,95	42,56
7,60	3,64	18,62	39,65
7,62	3,66	21,06	41,40
7,64	3,80	19,95	42,56
7,66	3,92	22,61	43,72
7,68	3,93	23,95	40,81
7,70	3,99	23,95	39,07
7,72	3,94	22,39	38,49
7,74	3,99	19,94	37,32
7,76	4,10	18,83	30,93
7,78	3,89	15,50	26,28
7,80	3,34	13,94	21,05
7,82	2,57	16,39	15,23
7,84	1,89	21,27	10,58
7,86	1,61	29,72	10,58
7,88	1,53	42,61	12,90
7,90	1,71	60,83	17,56
7,92	2,62	61,49	29,19
7,94	3,33	53,27	40,23
7,96	3,61	42,60	36,16
7,98	3,63	35,71	29,19
8,00	3,56	31,27	27,44
8,02	3,65	26,16	29,77
8,04	4,05	22,38	34,42
8,06	4,67	17,71	39,65
8,08	5,36	14,82	43,72
8,10	5,89	15,27	48,37
8,12	6,23	16,60	51,86
8,14	6,38	17,71	54,19
8,16	6,40	17,93	54,77
8,18	6,22	22,17	63,49
8,20	6,21	23,73	63,49
8,22	6,20	23,95	64,07
8,24	6,20	23,28	65,81
8,26	6,29	21,73	68,14
8,28	6,34	20,17	69,30
8,30	6,34	19,28	70,47
8,32	6,33	19,06	71,05
8,34	6,32	19,72	71,63
8,36	6,29	20,17	72,21
8,38	6,22	20,17	71,63
8,40	6,18	20,16	72,21
8,42	6,13	19,94	72,21
8,44	5,99	19,94	71,63
8,46	5,85	19,94	70,47
8,48	5,78	19,94	69,89
8,50	5,84	19,27	71,05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8,52	5,89	19,94	71,63
8,54	5,93	20,16	71,63
8,56	6,03	20,82	72,79
8,58	6,16	21,04	74,54
8,60	6,34	21,27	76,86
8,62	6,55	21,71	78,60
8,64	6,70	22,15	80,35
8,66	6,70	22,82	73,38
8,68	6,38	24,59	68,72
8,70	5,95	26,15	64,65
8,72	5,67	27,03	62,33
8,74	5,53	27,48	61,75
8,76	5,50	27,26	62,33
8,78	5,48	26,59	62,33
8,80	5,48	25,25	62,91
8,82	5,48	23,92	62,33
8,84	5,47	22,81	62,33
8,86	5,43	22,59	61,16
8,88	5,33	22,58	60,00
8,90	5,28	22,80	60,00
8,92	5,33	23,47	61,16
8,94	5,50	23,69	63,49
8,96	5,80	23,47	66,98
8,98	6,25	22,80	71,63
9,00	6,63	22,80	75,70
9,02	6,87	22,80	77,44
9,04	7,03	23,25	79,19
9,06	7,15	23,91	79,77
9,08	7,26	25,24	80,93
9,10	7,30	27,02	80,93
9,12	7,14	28,36	71,05
9,14	7,05	29,47	70,47
9,16	7,03	30,80	71,05
9,18	7,04	31,47	72,21
9,20	7,09	31,25	73,38
9,22	7,16	31,03	75,12
9,24	7,16	30,80	75,70
9,26	7,16	30,14	76,28
9,28	7,06	29,47	75,70
9,30	6,86	28,13	73,38
9,32	6,54	27,02	70,47
9,34	6,27	26,13	68,14
9,36	6,13	25,02	67,56
9,38	6,07	23,91	67,56
9,40	6,12	23,46	68,72
9,42	6,25	22,57	71,05
9,44	6,52	21,46	74,54
9,46	6,85	20,35	78,60
9,48	7,10	20,35	81,51
9,50	7,16	20,79	81,51

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9,52	6,79	21,24	75,70
9,54	6,14	22,35	67,56
9,56	5,61	22,79	62,33
9,58	5,34	23,46	60,00
9,60	5,14	23,46	58,84
9,62	5,02	22,79	57,68
9,64	4,90	21,68	57,10
9,66	4,81	20,79	55,93
9,68	4,73	19,68	55,35
9,70	4,76	19,01	55,93
9,72	4,99	19,01	58,84
9,74	5,24	19,01	61,75
9,76	5,47	18,56	64,07
9,78	5,75	18,56	67,56
9,80	6,06	19,01	71,05
9,82	6,37	18,78	74,54
9,84	6,50	19,23	75,70
9,86	6,62	20,34	76,28
9,88	6,82	22,12	79,19
9,90	7,03	23,23	81,51
9,92	7,05	23,90	80,93
9,94	6,80	24,78	77,44
9,96	6,26	25,67	69,89
9,98	5,76	25,23	65,23
10,00	5,51	25,23	63,49
10,02	5,41	25,01	62,91
10,04	5,51	24,56	64,65
10,06	5,72	23,90	71,63
10,08	6,04	22,57	75,12
10,10	6,32	21,24	78,60
10,12	6,45	20,79	80,35
10,14	6,57	20,35	80,93
10,16	6,58	21,24	80,93
10,18	6,80	22,35	83,84
10,20	7,18	23,46	89,65
10,22	7,59	24,12	93,72
10,24	7,98	25,01	97,80
10,26	8,47	25,24	103,61
10,28	8,82	25,68	105,35
10,30	8,63	26,12	100,12
10,32	8,05	27,68	90,23
10,34	7,49	29,68	83,26
10,36	7,10	30,35	79,19
10,38	6,84	31,23	76,86
10,40	6,58	31,45	73,96
10,42	6,27	30,79	71,05
10,44	6,12	28,79	69,89
10,46	6,06	26,34	69,89
10,48	6,11	24,12	71,63
10,50	6,27	22,34	74,54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10,52	6,53	21,01	77,44
10,54	6,78	20,12	80,35
10,56	7,03	19,67	83,84
10,58	7,21	19,23	85,59
10,60	7,26	19,00	85,59
10,62	7,35	19,23	86,75
10,64	7,50	19,89	87,91
10,66	7,65	20,78	90,23
10,68	8,10	21,45	96,63
10,70	8,58	22,78	102,45
10,72	9,13	23,67	108,84
10,74	9,68	24,55	115,24
10,76	10,41	25,22	123,38
10,78	10,88	25,89	125,70
10,80	11,12	26,33	124,54
10,82	11,23	27,44	122,21
10,84	11,24	29,00	119,30
10,86	11,19	31,00	115,24
10,88	11,21	32,77	112,91
10,90	11,24	34,33	111,75
10,92	11,01	35,22	105,93
10,94	10,70	36,33	100,70
10,96	10,50	36,77	97,80
10,98	10,29	36,10	94,89
11,00	9,95	35,88	90,23
11,02	9,42	36,77	83,84
11,04	8,58	37,21	74,54
11,06	7,87	37,21	67,56
11,08	7,61	37,43	79,77
11,10	7,62	37,21	80,93
11,12	7,58	37,21	80,93
11,14	7,56	36,32	81,51
11,16	7,64	34,99	82,10
11,18	7,92	34,54	84,42
11,20	8,04	33,88	85,59
11,22	8,04	33,21	85,00
11,24	7,87	32,54	82,68
11,26	7,62	32,32	79,77
11,28	7,39	32,54	78,02
11,30	7,24	33,21	76,86
11,32	7,27	32,54	78,02
11,34	7,51	31,87	82,10
11,36	8,05	32,76	90,23
11,38	8,73	31,43	98,38
11,40	9,26	30,09	104,19
11,42	9,69	29,43	108,84
11,44	10,01	29,43	111,17
11,46	10,22	30,09	111,17
11,48	10,47	31,43	112,33
11,50	10,83	33,43	115,82

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11,52	11,06	35,20	116,40
11,54	10,99	37,20	112,33
11,56	10,81	38,76	108,84
11,58	10,64	40,76	106,51
11,60	10,21	41,87	100,12
11,62	9,78	42,53	94,89
11,64	9,44	42,98	90,82
11,66	9,14	42,31	87,91
11,68	8,90	41,19	85,59
11,70	8,71	40,08	83,84
11,72	8,64	39,42	83,84
11,74	8,66	38,53	84,42
11,76	8,77	37,41	86,17
11,78	8,82	36,30	86,75
11,80	8,78	35,86	86,17
11,82	8,63	35,86	83,84
11,84	8,51	35,86	83,26
11,86	8,45	36,08	82,10
11,88	8,33	36,96	80,35
11,90	8,29	37,19	80,35
11,92	8,29	36,74	80,35
11,94	8,30	35,85	81,51
11,96	8,35	35,63	82,10
11,98	8,51	35,63	85,00
12,00	8,58	34,96	85,00
12,02	8,44	34,29	82,68
12,04	8,23	33,87	96,63
12,06	8,23	33,87	94,30
12,08	8,41	33,87	96,63
12,10	8,63	34,53	99,54
12,12	8,78	34,76	100,12
12,14	8,84	35,20	100,12
12,16	8,97	34,98	101,28
12,18	9,00	34,76	100,70
12,20	8,75	34,98	96,05
12,22	8,35	36,98	89,65
12,24	8,03	38,31	86,75
12,26	7,82	38,53	86,17
12,28	7,74	38,31	85,59
12,30	7,78	37,64	86,75
12,32	7,73	37,20	87,91
12,34	7,88	34,31	90,82
12,36	8,22	31,86	95,47
12,38	8,57	30,75	101,86
12,40	9,01	28,31	107,10
12,42	9,49	26,97	114,08
12,44	10,19	27,42	123,38
12,46	10,96	27,64	131,52
12,48	11,65	28,08	137,33
12,50	11,92	27,42	134,42



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Committente AUTOBRENNERO SPA

Località VIA ARGINE ZARA - PEGOGNAGA

Cantiere SOVRAPASSO 115

Data 27/06/12

Preforo 0.50 m. p.c. Falda 4,00 ml

Prova 1

Cert. N. 362/2012

Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12,52	11,88	29,42	128,03
12,54	12,07	29,64	129,19
12,56	12,47	28,97	134,42
12,58	12,89	29,42	138,50
12,60	13,11	29,86	136,75
12,62	13,07	30,31	132,10
12,64	13,07	31,19	130,35
12,66	13,08	31,42	128,03
12,68	12,91	32,53	123,96
12,70	12,39	34,75	115,24
12,72	11,83	35,19	107,10
12,74	11,57	34,75	105,93
12,76	11,53	34,52	107,10
12,78	11,65	33,86	110,00
12,80	11,98	33,19	115,82
12,82	12,48	32,52	122,80
12,84	13,19	29,63	133,26
12,86	13,86	27,63	139,66
12,88	14,27	26,52	141,40
12,90	14,28	27,18	136,17
12,92	13,78	29,40	123,38
12,94	13,25	30,73	115,24
12,96	13,18	32,51	117,56
12,98	13,30	33,40	119,89
13,00	13,51	33,84	122,80
13,02	13,68	33,17	123,96
13,04	13,60	36,29	133,26
13,06	13,90	31,40	126,87
13,08	14,11	32,07	127,45
13,10	14,12	32,52	126,29
13,12	13,98	33,63	122,80
13,14	13,87	33,85	121,63
13,16	13,76	32,74	121,63
13,18	13,21	33,62	114,08
13,20	12,20	34,74	100,70
13,22	11,17	35,62	90,23
13,24	10,46	35,18	85,59
13,26	9,95	34,73	82,10
13,28	9,69	34,51	81,51
13,30	9,57	33,40	83,26
13,32	9,61	30,73	85,59
13,34	9,66	28,73	87,33
13,36	9,78	27,39	89,65
13,38	9,81	26,06	90,82
13,40	9,77	26,06	90,82
13,42	9,57	26,06	89,07
13,44	9,27	26,28	86,17
13,46	9,18	25,83	84,42
13,48	9,18	25,61	87,33
13,50	9,40	25,61	90,23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13,52	9,51	26,05	94,30
13,54	9,59	24,05	93,14
13,56	9,51	23,83	93,14
13,58	9,75	23,39	97,80
13,60	10,14	22,50	101,86
13,62	10,43	22,72	107,10
13,64	10,89	22,50	112,91
13,66	11,23	23,16	117,56
13,68	11,61	23,39	119,89
13,70	11,98	23,39	125,12
13,72	12,35	24,05	129,19
13,74	12,64	26,05	130,93
13,76	12,72	28,28	128,61
13,78	12,88	29,61	130,35
13,80	13,01	29,83	130,35
13,82	12,81	32,05	125,12
13,84	12,12	33,16	113,49
13,86	11,69	32,72	109,42
13,88	11,31	32,28	104,77
13,90	10,89	33,16	99,54
13,92	10,66	32,72	98,96
13,94	10,84	32,05	103,61
13,96	11,39	30,94	114,08
13,98	12,12	29,38	125,70
14,00	12,95	28,72	136,17
14,02	13,87	30,05	148,96
14,04	14,90	28,73	148,38
14,06	15,49	27,62	146,05
14,08	15,60	28,73	142,56
14,10	15,61	30,29	141,40
14,12	15,47	32,07	139,08
14,14	15,26	34,95	137,33
14,16	15,49	36,95	141,98
14,18	15,67	38,73	144,89
14,20	15,79	39,84	145,47
14,22	15,90	39,62	147,80
14,24	15,81	39,62	144,89
14,26	15,49	38,73	138,50
14,28	14,69	38,50	124,54
14,30	13,60	39,61	111,17
14,32	12,81	39,17	103,61
14,34	12,31	38,50	104,19
14,36	12,17	37,39	105,35
14,38	11,98	35,61	105,35
14,40	11,92	33,16	106,51
14,42	11,52	34,49	100,70
14,44	11,19	34,94	94,89
14,46	11,04	34,71	97,21
14,48	11,28	34,27	103,03
14,50	11,46	32,27	106,51

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14,52	11,51	29,60	105,35
14,54	11,32	28,04	104,77
14,56	11,49	26,49	105,93
14,58	11,92	25,82	114,66
14,60	12,24	24,93	120,47
14,62	12,32	24,93	119,89
14,64	12,34	25,59	119,30
14,66	12,57	26,04	125,12
14,68	12,86	26,48	126,87
14,70	12,64	27,37	120,47
14,72	12,08	30,03	113,49
14,74	11,51	29,59	103,61
14,76	11,11	27,37	99,54
14,78	10,99	25,81	100,70
14,80	10,88	24,70	101,86
14,82	10,58	23,37	98,96
14,84	10,23	24,48	94,89
14,86	10,01	24,48	93,14
14,88	10,14	23,15	98,38
14,90	10,43	21,59	101,86
14,92	10,77	21,14	107,68
14,94	11,12	20,26	112,33
14,96	11,52	20,26	118,14
14,98	11,68	19,59	118,14
15,00	11,60	20,03	116,40
15,02	11,40	20,03	112,91
15,04	10,89	21,40	125,12
15,06	10,53	22,73	116,98
15,08	10,62	23,40	118,72
15,10	10,65	22,29	119,30
15,12	10,75	23,18	121,63
15,14	11,14	21,62	127,45
15,16	11,43	21,18	130,35
15,18	11,51	21,62	128,61
15,20	11,27	21,62	124,54
15,22	10,93	22,29	121,63
15,24	10,78	23,18	118,72
15,26	10,50	23,18	116,98
15,28	10,32	23,62	116,98
15,30	10,12	23,17	114,08
15,32	9,91	22,73	114,08
15,34	9,64	21,62	111,17
15,36	9,27	21,39	107,68
15,38	7,67	21,17	80,35
15,40	5,32	20,73	54,77
15,42	3,68	18,28	40,23
15,44	2,79	15,39	35,00
15,46	2,30	11,84	34,42
15,48	1,95	9,17	36,74
15,50	1,78	7,61	39,65

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15,52	1,94	7,61	50,12
15,54	2,43	8,06	61,75
15,56	3,10	14,28	78,02
15,58	3,69	17,17	89,65
15,60	4,53	14,73	94,89
15,62	5,68	15,17	111,17
15,64	6,65	16,51	123,96
15,66	7,23	16,73	123,96
15,68	7,46	15,40	121,63
15,70	7,67	15,40	121,63
15,72	7,57	14,95	119,30
15,74	7,65	13,84	121,63
15,76	8,13	12,29	126,29
15,78	8,46	13,40	129,19
15,80	8,57	15,40	127,45
15,82	8,59	16,74	127,45
15,84	8,57	18,30	127,45
15,86	8,54	20,96	125,70
15,88	8,54	21,41	126,29
15,90	8,50	20,30	124,54
15,92	8,09	18,97	116,40
15,94	7,60	19,86	110,59
15,96	7,33	21,19	110,00
15,98	7,40	23,19	115,24
16,00	7,92	28,08	129,77
16,02	8,71	40,77	165,24
16,04	10,73	39,65	184,43
16,06	13,01	37,65	191,40
16,08	14,59	42,32	193,73
16,10	16,17	48,10	203,03
16,12	17,70	39,87	218,73
16,14	18,04	30,76	197,22
16,16	17,95	31,21	160,00
16,18	18,13	34,76	189,66
16,20	18,01	34,54	160,59
16,22	17,49	30,32	173,96
16,24	17,15	30,76	167,57
16,26	16,40	31,88	157,68
16,28	15,68	32,32	146,05
16,30	14,85	33,65	137,91
16,32	14,34	38,31	136,17
16,34	14,06	38,31	135,00
16,36	14,11	41,19	145,47
16,38	14,23	40,53	151,29
16,40	14,30	37,64	153,61
16,42	14,40	34,53	155,36
16,44	14,59	30,08	161,75
16,46	14,70	28,30	163,50
16,48	14,74	26,07	159,42
16,50	14,71	26,07	157,68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16,52	14,63	26,51	155,36
16,54	14,75	26,28	156,52
16,56	14,97	26,06	159,42
16,58	15,06	25,62	157,68
16,60	15,12	25,84	157,10
16,62	15,66	23,39	173,96
16,64	16,15	21,39	180,36
16,66	16,56	23,16	185,59
16,68	16,83	23,16	179,20
16,70	16,96	27,16	175,12
16,72	16,92	32,71	168,15
16,74	16,89	37,38	163,50
16,76	16,67	40,94	157,10
16,78	16,08	40,93	145,47
16,80	15,57	40,71	139,08
16,82	15,49	39,82	142,56
16,84	15,69	35,15	148,96
16,86	15,82	30,70	151,29
16,88	15,84	28,26	151,29
16,90	16,07	26,03	158,84
16,92	16,32	23,59	162,91
16,94	16,24	22,70	157,10
16,96	15,89	24,47	144,31
16,98	15,69	37,14	148,38
17,00	15,00	24,92	79,19
17,02	14,26	48,49	178,61
17,04	14,62	50,27	160,59
17,06	15,33	48,93	169,31
17,08	16,36	46,04	183,26
17,10	16,98	45,60	182,10
17,12	17,58	46,93	185,59
17,14	17,93	36,26	185,01
17,16	18,01	26,48	178,61
17,18	18,13	27,37	177,45
17,20	17,91	29,59	168,15
17,22	17,89	32,26	168,15
17,24	18,09	35,59	172,80
17,26	18,10	38,03	169,31
17,28	17,50	42,03	155,94
17,30	17,06	42,92	150,70
17,32	16,61	44,92	146,63
17,34	15,98	43,58	137,91
17,36	15,16	42,91	127,45
17,38	14,42	43,36	122,21
17,40	13,83	42,91	117,56
17,42	13,31	41,58	114,66
17,44	13,15	40,91	118,72
17,46	13,42	39,80	127,45
17,48	14,03	38,02	142,56
17,50	14,80	34,46	157,68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17,52	15,45	33,13	163,50
17,54	15,53	31,79	165,24
17,56	15,53	34,68	158,84
17,58	15,21	37,12	151,29
17,60	14,91	36,68	143,73
17,62	15,08	38,01	150,12
17,64	15,33	37,34	155,94
17,66	15,68	36,01	160,59
17,68	15,99	34,68	164,66
17,70	16,35	33,34	169,89
17,72	16,66	34,45	172,22
17,74	16,71	36,23	164,66
17,76	16,79	38,68	162,33
17,78	16,79	39,34	161,17
17,80	17,00	39,56	162,91
17,82	17,19	39,56	165,24
17,84	17,24	38,67	165,24
17,86	17,26	40,01	165,24
17,88	17,35	41,78	165,24
17,90	17,57	42,22	175,12
17,92	17,47	41,11	172,80
17,94	17,33	40,67	171,05
17,96	17,09	41,55	157,10
17,98	17,05	41,55	157,10
18,00	17,09	42,00	158,84
18,02	17,35	43,11	165,82
18,04	17,57	44,91	193,15
18,06	17,98	43,57	184,43
18,08	18,24	40,91	186,17
18,10	18,36	38,69	182,10
18,12	18,87	38,69	193,15
18,14	19,13	39,80	195,48
18,16	19,31	40,02	193,15
18,18	19,47	41,57	190,82
18,20	19,71	39,35	191,99
18,22	19,90	39,12	187,33
18,24	19,84	40,90	185,01
18,26	19,53	44,68	179,20
18,28	19,00	46,90	164,66
18,30	18,34	48,01	154,19
18,32	17,40	49,79	135,59
18,34	16,34	51,34	124,54
18,36	15,41	50,23	116,98
18,38	14,84	48,23	121,05
18,40	14,17	46,01	115,82
18,42	13,61	44,00	111,17
18,44	13,10	40,67	107,68
18,46	12,75	36,22	110,59
18,48	12,71	34,89	118,72
18,50	12,66	33,55	115,82

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18,52	12,51	33,78	119,30
18,54	12,59	34,44	125,12
18,56	12,63	38,22	123,38
18,58	12,67	45,33	119,89
18,60	12,91	44,44	128,03
18,62	13,78	38,44	154,78
18,64	15,30	36,88	178,61
18,66	16,16	39,55	186,17
18,68	15,82	35,55	164,08
18,70	15,37	38,21	145,47
18,72	15,26	30,21	166,40
18,74	14,37	33,77	160,00
18,76	14,06	35,10	141,40
18,78	13,78	31,99	139,66
18,80	13,44	29,55	133,84
18,82	12,88	31,77	128,03
18,84	12,74	36,21	132,10
18,86	12,57	40,44	131,52
18,88	12,52	33,77	132,68
18,90	12,20	31,33	123,96
18,92	12,44	29,33	130,93
18,94	12,51	27,10	136,17
18,96	12,21	24,88	128,03
18,98	11,50	27,55	122,21
19,00	11,36	27,99	120,47
19,02	10,97	26,92	174,54
19,04	10,97	25,81	160,00
19,06	10,83	25,81	155,36
19,08	11,07	26,04	159,42
19,10	11,27	27,59	163,50
19,12	11,91	27,15	171,05
19,14	12,48	26,93	174,54
19,16	13,65	27,15	187,33
19,18	14,86	27,37	203,03
19,20	15,74	27,37	202,45
19,22	16,46	26,92	199,54
19,24	16,59	27,59	188,50
19,26	16,05	28,92	168,73
19,28	15,71	30,26	170,47
19,30	15,63	30,03	170,47
19,32	16,27	30,26	196,06
19,34	17,06	30,03	198,38
19,36	17,80	29,59	200,12
19,38	17,74	29,81	190,82
19,40	16,91	30,70	164,66
19,42	15,99	32,48	148,96
19,44	15,44	33,59	148,96
19,46	14,74	35,14	144,89
19,48	14,15	38,25	133,84
19,50	13,31	40,03	124,54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19,52	13,19	39,58	137,33
19,54	13,40	38,47	145,47
19,56	13,79	37,58	156,52
19,58	14,26	36,91	172,22
19,60	14,73	34,47	178,03
19,62	14,94	32,02	178,61
19,64	14,90	30,69	169,89
19,66	14,92	30,69	169,31
19,68	15,08	31,35	182,68
19,70	15,77	31,79	192,57
19,72	16,46	30,91	208,85
19,74	16,96	30,24	203,61
19,76	17,19	30,90	194,89
19,78	17,52	36,68	194,89
19,80	17,84	38,46	198,96
19,82	18,07	40,46	191,99
19,84	17,97	40,01	185,59
19,86	17,44	40,68	168,15
19,88	16,96	40,68	165,82
19,90	16,54	40,01	161,17
19,92	16,21	40,68	158,84
19,94	15,89	41,79	166,40
19,96	15,77	39,79	154,78
19,98	15,20	38,67	143,73
20,00	14,39	41,14	205,94
20,02	13,32	39,14	150,70
20,04	12,27	39,58	140,82
20,06	11,62	38,25	128,61
20,08	11,57	37,36	137,33
20,10	11,36	36,25	137,91
20,12	11,43	33,80	143,15
20,14	11,58	32,25	150,12
20,16	11,90	31,80	164,66
20,18	12,11	30,03	163,50
20,20	12,08	28,25	157,10
20,22	11,15	28,47	132,68
20,24	10,79	28,25	133,26
20,26	10,39	27,58	128,03
20,28	10,01	28,03	130,93
20,30	9,75	27,36	125,70
20,32	10,04	27,36	143,15
20,34	10,01	27,14	146,63
20,36	10,36	25,80	147,21
20,38	10,90	26,91	166,40
20,40	12,06	26,91	179,78
20,42	12,89	27,36	182,10
20,44	12,74	28,91	163,50
20,46	12,56	32,03	155,36
20,48	12,40	32,47	157,10
20,50	11,99	32,69	146,05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20,52	12,11	33,58	160,00
20,54	12,29	33,14	167,57
20,56	12,59	33,59	178,61
20,58	13,17	32,47	183,85
20,60	13,27	31,14	173,38
20,62	13,19	30,25	167,57
20,64	12,45	33,36	147,21
20,66	11,58	36,25	133,84
20,68	10,94	38,25	131,52
20,70	10,67	38,70	129,19
20,72	10,68	39,59	142,56
20,74	10,80	38,47	147,80
20,76	10,91	36,70	150,70
20,78	11,19	34,47	161,17
20,80	11,74	32,70	176,29
20,82	12,22	32,03	182,68
20,84	12,29	31,14	174,54
20,86	12,09	31,81	167,57
20,88	12,01	33,36	169,89
20,90	11,96	34,47	168,15
20,92	11,99	33,36	169,31
20,94	12,26	34,92	176,29
20,96	12,98	37,14	193,15
20,98	13,74	35,81	204,20
21,00	10,62	38,06	162,33
21,02	15,09	39,39	228,03
21,04	15,52	41,17	210,59
21,06	15,84	39,39	208,85
21,08	15,79	34,73	196,64
21,10	15,30	35,61	178,61
21,12	14,90	37,39	180,94
21,14	14,75	37,39	178,61
21,16	14,53	37,61	190,24
21,18	14,73	38,50	191,40
21,20	14,82	35,61	196,06
21,22	14,86	31,16	195,48
21,24	14,69	29,60	189,08
21,26	14,56	28,71	192,57
21,28	14,35	28,05	188,50
21,30	13,83	26,94	176,87
21,32	12,61	26,94	148,38
21,34	11,30	25,60	128,03
21,36	10,02	24,93	119,30
21,38	9,04	23,82	111,17
21,40	8,24	31,38	109,42
21,42	7,97	40,49	120,47
21,44	8,14	45,37	130,35
21,46	7,84	64,93	135,59
21,48	7,79	55,81	136,75
21,50	7,14	43,60	115,24

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Committente AUTOBRENNERO SPA

Località VIA ARGINE ZARA - PEGOGNAGA

Cantiere SOVRAPASSO 115

Data 27/06/12

Preforo 0.50 m. p.c. Falda 4,00 ml

Prova 1

Cert. N. 362/2012

Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21,52	5,92	55,38	93,72
21,54	4,37	61,60	68,72
21,56	3,31	66,93	66,40
21,58	2,86	75,59	84,42
21,60	2,66	86,70	108,26
21,62	3,05	100,48	140,24
21,64	4,41	129,37	171,05
21,66	7,52	125,81	298,39
21,68	10,32	124,03	315,25
21,70	12,72	116,03	230,36
21,72	13,54	95,81	158,26
21,74	13,08	84,25	139,66
21,76	11,78	74,92	112,33
21,78	10,41	65,37	103,61
21,80	9,17	48,26	96,63
21,82	7,91	42,03	98,96
21,84	7,05	39,81	98,38
21,86	6,76	41,81	121,63
21,88	6,61	38,03	126,87
21,90	6,33	36,26	133,26
21,92	6,05	36,70	131,52
21,94	5,92	36,03	132,10
21,96	5,85	36,26	129,77
21,98	5,73	35,81	121,05
22,00	5,69	38,26	127,45
22,02	5,47	42,51	222,22
22,04	5,74	44,74	172,80
22,06	6,09	47,18	132,68
22,08	6,03	47,40	75,70
22,10	6,11	46,51	54,19
22,12	6,24	44,74	79,19
22,14	5,97	42,96	98,96
22,16	6,13	42,29	128,03
22,18	6,21	41,62	141,98
22,20	6,85	41,84	174,54
22,22	7,39	42,29	184,43
22,24	7,97	41,18	179,78
22,26	8,51	40,95	178,61
22,28	8,79	41,62	180,94
22,30	9,10	44,29	183,26
22,32	9,22	46,07	178,03
22,34	9,55	50,74	188,50
22,36	9,77	54,07	190,24
22,38	9,88	58,07	194,31
22,40	10,02	62,96	197,80
22,42	10,18	63,84	198,96
22,44	10,55	62,73	208,85
22,46	11,07	60,51	218,15
22,48	11,51	58,07	222,80
22,50	11,94	56,51	223,38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22,52	12,35	54,51	227,45
22,54	12,67	53,40	233,27
22,56	13,01	53,40	236,18
22,58	13,03	56,73	221,64
22,60	13,42	59,62	223,38
22,62	13,86	60,95	233,27
22,64	14,29	64,06	233,27
22,66	14,29	67,39	222,22
22,68	14,14	70,51	210,01
22,70	14,02	72,28	205,94
22,72	13,97	76,50	210,01
22,74	14,08	80,05	215,82
22,76	14,26	81,39	217,57
22,78	14,61	81,83	226,87
22,80	14,75	81,83	222,22
22,82	14,75	80,27	218,73
22,84	14,77	80,05	219,31
22,86	14,62	79,82	210,59
22,88	14,52	78,71	207,69
22,90	14,38	78,93	204,78
22,92	14,25	78,71	201,87
22,94	14,14	78,04	200,70
22,96	13,97	76,70	197,22
22,98	13,94	74,93	199,54
23,00	13,91	75,15	204,20
23,02	14,08	78,06	280,94
23,04	15,26	71,84	223,96
23,06	15,36	72,51	207,10
23,08	15,77	73,17	212,92
23,10	16,12	73,62	218,73
23,12	16,81	73,62	239,66
23,14	16,92	74,94	212,33
23,16	17,20	77,83	219,90
23,18	17,98	77,83	240,24
23,20	18,44	74,94	239,08
23,22	18,31	73,83	212,92
23,24	18,47	75,60	210,01
23,26	19,08	77,16	236,76
23,28	19,19	75,16	215,24
23,30	19,36	75,60	225,13
23,32	19,25	76,05	197,80
23,34	19,44	77,16	216,40
23,36	18,93	79,16	194,31
23,38	18,84	80,27	205,94
23,40	18,49	81,38	194,31
23,42	18,34	80,93	193,73
23,44	17,50	80,93	176,87
23,46	16,55	82,26	161,17
23,48	15,69	81,59	157,10
23,50	14,96	80,26	169,89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23,52	13,91	81,81	154,78
23,54	13,11	82,70	153,03
23,56	12,58	82,48	154,19
23,58	12,41	81,15	161,75
23,60	12,35	80,48	185,59
23,62	12,45	76,03	171,63
23,64	12,20	72,92	164,66
23,66	12,57	70,48	178,03
23,68	12,75	71,37	198,96
23,70	12,71	69,37	171,63
23,72	12,78	68,92	176,29
23,74	12,41	70,03	167,57
23,76	12,16	70,48	170,47
23,78	12,21	72,70	178,61
23,80	12,95	73,15	185,01
23,82	14,26	73,82	227,45
23,84	14,39	72,26	187,91
23,86	15,16	74,93	218,15
23,88	15,03	72,93	187,91
23,90	15,16	74,70	187,91
23,92	15,46	77,15	198,96
23,94	15,63	79,82	214,66
23,96	15,39	79,37	194,31
23,98	15,42	78,71	195,48
24,00	15,60	79,82	211,17
24,02	15,68	74,74	292,57
24,04	15,72	74,08	213,50
24,06	16,14	72,53	212,33
24,08	16,20	72,30	208,85
24,10	16,55	72,52	218,73
24,12	16,49	73,63	206,52
24,14	16,92	73,86	215,24
24,16	16,98	75,41	211,75
24,18	17,14	78,96	219,31
24,20	17,58	80,29	239,66
24,22	17,53	80,51	223,38
24,24	16,16	86,51	168,15
24,26	16,28	85,84	183,26
24,28	15,86	87,84	204,78
24,30	16,04	85,17	218,73
24,32	15,16	85,39	181,52
24,34	14,75	85,39	175,12
24,36	14,85	83,61	185,59
24,38	15,07	80,06	207,10
24,40	14,73	77,39	189,66
24,42	14,22	74,94	177,45
24,44	14,44	69,83	180,94
24,46	14,87	66,94	194,31
24,48	15,53	65,61	225,13
24,50	15,83	66,50	231,52

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24,52	12,57	43,17	368,16
24,54	14,39	45,39	384,44
24,56	16,47	46,05	401,30
24,58	18,96	44,94	457,70
24,60	21,12	47,39	462,35
24,62	20,86	53,83	335,60
24,64	20,02	59,60	277,46
24,66	19,35	68,27	256,52
24,68	19,17	78,71	254,78
24,70	18,90	87,59	248,39
24,72	18,23	92,03	225,71
24,74	17,56	94,92	210,01
24,76	16,84	98,47	198,38
24,78	16,16	99,36	190,24
24,80	15,57	98,02	189,08
24,82	15,17	94,91	189,66
24,84	14,59	90,68	178,61
24,86	14,01	87,12	176,29
24,88	13,40	82,23	163,50
24,90	13,11	77,78	171,63
24,92	13,10	72,22	183,26
24,94	13,38	67,56	204,78
24,96	13,90	65,11	232,10
24,98	14,62	62,44	254,20
25,00	15,04	57,78	252,45
25,02	15,25	56,44	244,90
25,04	15,49	56,00	247,22
25,06	15,86	57,55	261,18
25,08	16,27	59,99	262,92
25,10	16,69	62,89	271,64
25,12	17,04	65,11	274,55
25,14	17,31	66,89	269,31
25,16	21,83	43,12	343,74
25,18	20,87	49,34	261,76
25,20	20,07	58,01	248,39
25,22	19,22	67,56	237,34
25,24	18,38	74,89	225,71
25,26	17,55	78,89	210,59
25,28	16,85	81,11	205,94
25,30	16,25	79,33	197,80
25,32	15,42	74,66	181,52
25,34	14,78	69,99	186,17
25,36	14,44	64,44	193,73
25,38	14,28	59,33	204,20
25,40	14,18	53,77	211,75
25,42	13,89	49,77	206,52
25,44	13,34	47,77	190,82
25,46	12,70	46,65	173,38
25,48	11,96	47,10	156,52
25,50	11,28	47,99	144,31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25,52	10,74	47,77	143,73
25,54	10,35	45,99	145,47
25,56	10,10	42,88	151,29
25,58	9,99	39,54	158,84
25,60	9,99	36,66	166,40
25,62	10,16	34,21	179,20
25,64	10,42	32,21	194,31
25,66	10,85	30,88	210,59
25,68	11,43	30,21	229,78
25,70	12,14	29,99	248,97
25,72	12,88	29,99	265,25
25,74	13,39	30,66	261,76
25,76	13,61	31,77	255,94
25,78	13,52	33,55	240,82
25,80	13,24	36,00	225,13
25,82	12,88	38,00	210,01
25,84	12,42	40,00	194,31
25,86	11,86	45,33	178,03
25,88	11,47	47,11	174,54
25,90	11,20	48,45	174,54
25,92	11,01	49,12	176,87
25,94	10,86	48,89	178,03
25,96	10,46	46,67	165,24
25,98	9,73	43,12	148,38
26,00	9,05	42,23	141,40
26,02	8,74	44,45	153,61
26,04	8,55	47,34	164,08
26,06	8,49	52,01	172,22
26,08	8,59	59,12	180,36
26,10	8,84	61,78	194,31
26,12	9,12	61,34	202,45
26,14	9,22	64,08	279,78
26,16	9,32	61,86	254,20
26,18	9,29	56,52	236,76
26,20	9,13	50,97	226,29
26,22	8,92	48,30	219,90
26,24	8,86	45,41	225,13
26,26	8,98	40,74	235,01
26,28	9,27	38,29	251,87
26,30	9,85	39,40	276,29
26,32	10,41	41,85	285,01
26,34	10,96	40,96	290,25
26,36	11,05	41,18	268,15
26,38	10,97	42,07	254,20
26,40	10,72	43,18	238,50
26,42	10,50	44,51	228,61
26,44	10,48	44,95	239,08
26,46	10,62	44,73	250,71
26,48	10,72	44,29	257,10
26,50	10,91	43,40	267,57

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26,52	11,07	43,40	272,80
26,54	11,38	41,18	282,69
26,56	11,52	39,62	281,52
26,58	11,68	40,06	283,85
26,60	12,06	42,28	304,78
26,62	12,33	42,95	304,20
26,64	12,67	42,51	305,36
26,66	12,77	45,39	298,39
26,68	12,94	46,73	304,78
26,70	13,14	47,84	308,85
26,72	13,53	49,84	321,64
26,74	13,90	51,61	329,20
26,76	14,22	51,61	333,85
26,78	14,37	51,39	326,30
26,80	14,53	50,72	322,80
26,82	14,62	50,72	317,58
26,84	14,67	50,72	313,50
26,86	14,82	51,61	320,48
26,88	15,13	52,27	328,04
26,90	15,58	52,94	340,25
26,92	16,12	53,38	359,44
26,94	16,60	54,05	368,74
26,96	17,02	54,49	368,74
26,98	17,34	55,82	363,50
27,00	17,59	56,71	355,37
27,02	17,57	57,82	336,18
27,04	17,28	60,04	308,85
27,06	16,91	63,15	288,50
27,08	16,48	65,59	271,06
27,10	15,83	66,70	246,06
27,12	15,06	66,70	215,82
27,14	14,09	66,25	181,52
27,16	14,55	48,45	325,71
27,18	13,28	56,45	219,90
27,20	12,29	65,12	195,48
27,22	11,61	69,79	196,64
27,24	11,18	70,45	201,29
27,26	10,41	69,12	181,52
27,28	9,44	67,34	159,42
27,30	8,49	65,34	148,38
27,32	7,93	62,67	158,84
27,34	7,64	58,23	172,22
27,36	7,64	54,67	193,73
27,38	8,03	53,12	221,06
27,40	8,64	50,23	246,64
27,42	9,50	45,56	268,15
27,44	10,42	43,34	286,18
27,46	11,19	42,01	291,99
27,48	11,65	44,01	282,10
27,50	11,92	47,12	276,88

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Committente AUTOBRENNERO SPA

Località VIA ARGINE ZARA - PEGOGNAGA

Cantiere SOVRAPASSO 115

Data 27/06/12

Preforo 0.50 m. p.c. Falda 4,00 ml

Prova 1

Cert. N. 362/2012

Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27,52	12,25	50,45	281,52
27,54	12,75	54,68	299,55
27,56	13,40	58,23	318,74
27,58	14,11	60,01	336,76
27,60	14,80	60,46	350,13
27,62	15,31	56,02	345,48
27,64	15,67	54,68	342,00
27,66	16,04	53,35	346,65
27,68	16,53	52,68	363,50
27,70	17,33	54,68	392,58
27,72	18,15	57,79	408,28
27,74	18,62	59,35	393,16
27,76	18,74	60,68	372,81
27,78	18,51	62,02	337,92
27,80	17,98	64,02	302,46
27,82	17,24	66,91	271,06
27,84	16,43	70,46	244,31
27,86	15,59	73,13	222,22
27,88	14,90	74,24	207,10
27,90	14,24	75,35	197,22
27,92	13,85	74,68	197,80
27,94	13,64	72,90	205,36
27,96	13,53	70,68	214,08
27,98	13,47	69,79	219,31
28,00	13,47	69,79	225,13
28,02	13,36	66,45	228,03
28,04	13,30	65,79	229,78
28,06	13,17	66,90	219,90
28,08	13,12	69,34	220,48
28,10	13,24	71,78	226,29
28,12	13,64	72,45	246,06
28,14	13,71	70,67	239,08
28,16	11,77	70,06	305,36
28,18	12,77	60,94	250,71
28,20	12,54	58,95	248,39
28,22	12,41	55,61	254,78
28,24	11,97	50,95	241,40
28,26	11,55	46,73	237,92
28,28	11,08	44,28	225,71
28,30	10,90	42,05	229,78
28,32	10,88	40,50	242,57
28,34	10,78	39,17	245,48
28,36	10,59	38,28	236,76
28,38	10,47	37,61	237,92
28,40	10,37	36,94	238,50
28,42	10,48	34,94	247,80
28,44	10,21	35,16	232,10
28,46	10,31	34,50	239,66
28,48	10,11	34,94	235,01
28,50	10,33	34,27	253,62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28,52	10,25	33,60	239,66
28,54	10,14	34,94	244,90
28,56	10,54	33,61	258,27
28,58	10,81	33,38	273,97
28,60	10,89	33,60	252,45
28,62	11,79	32,27	289,09
28,64	12,63	32,50	314,67
28,66	13,62	34,50	328,62
28,68	14,85	35,83	316,41
28,70	16,84	39,16	378,04
28,72	18,25	38,72	374,55
28,74	19,51	39,39	380,95
28,76	19,93	44,50	330,37
28,78	21,35	46,50	341,41
28,80	21,92	53,16	343,16
28,82	22,66	59,39	343,74
28,84	23,06	66,72	328,04
28,86	23,13	76,50	304,20
28,88	23,09	87,39	304,20
28,90	23,08	96,05	296,06
28,92	22,81	104,27	285,60
28,94	22,85	111,82	289,67
28,96	22,61	116,71	275,13
28,98	22,41	117,82	272,80
29,00	22,01	119,37	260,01
29,02	21,50	118,03	243,73
29,04	20,76	117,80	229,78
29,06	19,97	118,02	217,57
29,08	18,80	117,13	193,15
29,10	17,72	116,01	174,54
29,12	16,73	112,23	176,87
29,14	14,40	72,21	269,31
29,16	13,28	78,66	208,27
29,18	12,11	85,77	180,36
29,20	11,19	89,76	178,61
29,22	10,71	85,10	189,66
29,24	10,33	76,43	195,48
29,26	10,11	66,20	207,10
29,28	10,10	58,42	221,06
29,30	10,37	52,20	243,15
29,32	10,94	46,64	267,57
29,34	11,41	42,20	268,15
29,36	11,58	40,64	255,36
29,38	11,41	40,64	245,48
29,40	11,16	40,87	239,66
29,42	10,87	41,98	230,94
29,44	10,44	44,65	216,99
29,46	9,75	48,20	198,38
29,48	8,94	52,65	178,03
29,50	8,11	58,87	164,08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29,52	7,33	74,21	168,73
29,54	7,17	82,21	208,27
29,56	8,57	74,21	286,76
29,58	10,11	75,55	297,80
29,60	11,06	76,22	293,15
29,62	11,54	72,88	266,41
29,64	11,67	66,44	248,39
29,66	11,62	59,55	235,01
29,68	11,65	56,67	240,24
29,70	11,76	56,00	250,13
29,72	11,88	52,00	255,94
29,74	12,14	51,56	268,15
29,76	12,56	50,45	280,36
29,78	12,95	49,11	290,25
29,80	13,45	46,67	297,80
29,82	13,82	44,67	297,22
29,84	14,18	44,23	297,80
29,86	14,32	44,23	296,06
29,88	14,12	44,67	273,97
29,90	13,46	45,79	239,66
29,92	12,80	46,45	225,71
29,94	12,10	46,68	213,50
29,96	11,41	46,90	203,61
29,98	10,82	46,01	201,87
30,00	10,29	45,34	202,45
30,02	10,11	43,34	215,82
30,04	10,21	41,12	233,27
30,06	10,65	39,35	261,18
30,08	11,38	38,01	287,34
30,10	12,77	34,74	338,50
30,12	13,68	32,74	336,18
30,14	14,45	33,18	344,90
30,16	15,00	33,85	339,09
30,18	15,47	35,85	336,18
30,20	15,56	38,52	325,71
30,22	15,06	43,18	292,57
30,24	14,24	48,29	256,52
30,26	13,41	51,63	243,15
30,28	12,82	53,18	243,15
30,30	12,64	54,07	257,69
30,32	12,71	52,73	276,88
30,34	12,65	48,51	274,55
30,36	12,90	44,06	289,67
30,38	12,70	41,62	272,22
30,40	13,07	37,62	293,73
30,42	13,08	36,95	288,50
30,44	13,14	36,06	287,34
30,46	13,13	36,95	291,99
30,48	13,67	37,17	319,90
30,50	13,96	36,72	304,20

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30,52	14,67	36,94	341,41
30,54	15,23	37,17	354,79
30,56	15,94	36,72	345,48
30,58	16,74	37,39	370,49
30,60	17,17	38,50	345,48
30,62	17,68	41,16	352,46
30,64	18,61	43,38	386,76
30,66	19,61	46,05	401,88
30,68	20,20	47,16	376,30
30,70	20,56	49,83	364,67
30,72	20,64	53,82	348,97
30,74	21,17	53,82	371,07
30,76	21,47	56,93	363,50
30,78	21,90	59,37	365,83
30,80	22,19	60,93	364,67
30,82	22,32	63,15	357,69
30,84	22,11	64,26	323,39
30,86	21,71	67,81	308,85
30,88	21,60	71,59	310,60
30,90	21,47	76,03	303,62
30,92	21,39	80,91	304,20
30,94	20,93	86,02	273,39
30,96	20,99	87,35	272,80
30,98	20,57	86,68	254,78
31,00	20,13	83,35	243,73
31,02	19,17	80,90	219,31
31,04	17,84	81,56	198,38
31,06	16,65	83,56	187,33
31,08	18,61	60,44	354,79
31,10	17,87	68,22	280,36
31,12	17,65	77,78	290,25
31,14	17,62	87,11	302,46
31,16	17,87	96,89	328,62
31,18	18,21	103,11	342,00
31,20	18,44	109,33	344,32
31,22	18,73	114,88	343,74
31,24	18,93	119,10	343,16
31,26	18,85	121,98	329,20
31,28	18,58	126,20	305,95
31,30	18,21	132,65	293,15
31,32	17,94	137,31	280,36
31,34	17,62	136,42	283,85
31,36	17,20	133,31	272,80
31,38	16,67	133,09	255,94
31,40	15,93	127,53	233,27
31,42	15,01	117,30	205,36
31,44	14,03	109,30	182,10
31,46	13,19	107,08	173,38
31,48	12,61	104,85	175,70
31,50	12,10	100,41	179,20

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31,52	11,67	95,74	184,43
31,54	11,33	91,07	191,40
31,56	11,06	83,96	197,80
31,58	10,99	77,52	212,33
31,60	11,23	72,85	237,92
31,62	11,84	70,40	273,97
31,64	12,72	66,85	300,13
31,66	13,67	63,95	319,32
31,68	14,42	62,84	322,22
31,70	14,85	62,84	306,53
31,72	15,11	64,40	297,22
31,74	15,29	68,18	300,13
31,76	15,33	72,85	289,67
31,78	15,31	79,07	279,20
31,80	15,47	86,41	280,94
31,82	15,24	89,74	260,60
31,84	14,71	90,63	233,85
31,86	14,31	92,63	229,20
31,88	13,99	94,41	228,61
31,90	13,83	94,63	236,76
31,92	13,82	93,96	244,90
31,94	14,19	93,74	266,41
31,96	14,81	92,19	290,83
31,98	15,49	89,52	302,46
32,00	16,26	86,63	314,09
32,02	16,88	83,97	313,50
32,04	17,06	85,08	286,76
32,06	20,72	89,11	319,32
32,08	20,21	101,33	291,41
32,10	19,96	115,55	298,39
32,12	19,96	127,11	312,92
32,14	20,02	132,88	333,27
32,16	19,84	137,55	323,39
32,18	19,34	140,65	303,62
32,20	18,85	138,20	293,15
32,22	18,13	130,87	275,71
32,24	17,35	121,53	248,39
32,26	16,14	114,86	211,75
32,28	14,93	110,41	186,75
32,30	13,71	104,41	173,96
32,32	12,74	99,30	173,38
32,34	11,99	92,63	179,78
32,36	11,43	86,63	189,66
32,38	10,94	79,29	196,06
32,40	10,74	66,63	211,17
32,42	10,63	57,96	222,22
32,44	10,72	51,96	239,66
32,46	10,79	49,29	245,48
32,48	11,05	45,74	254,20
32,50	11,21	42,18	254,78

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32,52	11,26	41,52	251,87
32,54	11,34	41,96	249,55
32,56	11,81	42,41	272,22
32,58	12,56	45,52	300,13
32,60	13,71	48,19	325,13
32,62	15,02	50,64	347,23
32,64	16,51	50,20	367,00
32,66	17,48	53,75	357,69
32,68	18,55	57,53	365,83
32,70	19,28	62,87	361,76
32,72	19,67	69,76	358,86
32,74	19,66	78,65	340,83
32,76	19,39	87,77	297,80
32,78	19,32	95,99	290,25
32,80	19,29	103,77	288,50
32,82	19,64	110,66	311,76
32,84	19,90	115,55	302,46
32,86	20,15	115,32	305,36
32,88	20,07	112,44	294,32
32,90	19,60	110,43	258,85
32,92	19,66	108,43	271,64
32,94	19,93	109,32	282,69
32,96	20,44	112,43	300,71
32,98	21,22	117,32	324,55
33,00	21,67	119,77	321,64
33,02	22,16	118,21	300,13
33,04	28,63	91,53	460,02
33,06	27,91	103,09	351,88
33,08	27,30	114,86	344,90
33,10	26,77	129,53	340,83
33,12	26,36	143,08	346,06
33,14	25,80	153,52	336,18
33,16	25,10	158,85	322,22
33,18	24,33	153,95	303,04
33,20	23,47	153,28	282,69
33,22	22,38	149,72	263,50
33,24	21,43	144,61	244,90
33,26	20,59	139,94	239,66
33,28	19,96	136,83	243,15
33,30	19,75	132,60	264,08
33,32	19,58	130,15	269,90
33,34	19,43	125,48	276,88
33,36	19,26	116,59	272,22
33,38	19,12	107,03	278,62
33,40	18,83	99,47	267,57
33,42	18,48	96,14	255,94
33,44	18,09	93,69	246,06
33,46	17,58	92,58	232,69
33,48	17,01	91,91	224,55
33,50	16,48	91,02	218,15

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova **1**  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33,52	16,01	89,69	220,48
33,54	15,66	86,36	226,29
33,56	15,30	83,69	226,29
33,58	14,95	81,02	228,03
33,60	14,57	77,69	225,71
33,62	14,14	71,69	219,90
33,64	13,36	66,36	200,12
33,66	12,52	62,80	191,40
33,68	11,37	63,02	169,89
33,70	10,02	70,36	157,68
33,72	8,81	87,25	153,61
33,74	7,37	100,58	150,12
33,76	6,54	118,81	183,26
33,78	6,99	139,26	253,62
33,80	9,06	137,48	432,11
33,82	12,88	131,48	461,19
33,84	16,20	156,37	456,53
33,86	17,65	169,48	343,16
33,88	18,91	153,71	401,88
33,90	17,64	159,49	122,21
33,92	18,70	147,49	205,94
33,94	17,54	130,39	177,45
33,96	16,92	140,18	219,90
33,98	16,69	135,74	239,66
34,00	16,20	133,97	244,31
34,02	15,84	140,41	246,64
34,04	16,91	92,69	285,60
34,06	16,53	85,12	271,64
34,08	16,13	87,78	280,94
34,10	16,04	91,11	296,06
34,12	15,98	93,77	300,71
34,14	15,82	94,66	293,15
34,16	15,56	91,55	282,69
34,18	15,27	86,65	282,10
34,20	15,00	81,10	278,62
34,22	14,68	79,09	276,88
34,24	14,47	79,09	276,88
34,26	14,40	79,09	285,60
34,28	14,25	78,87	286,18
34,30	14,22	77,54	285,60
34,32	14,30	75,54	296,06
34,34	14,41	73,54	296,64
34,36	14,49	73,10	301,30
34,38	14,60	73,98	304,78
34,40	14,49	73,98	296,06
34,42	14,41	72,65	291,99
34,44	14,25	71,10	290,83
34,46	14,18	70,21	287,34
34,48	14,11	69,98	289,09
34,50	14,04	70,20	286,18

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34,52	13,99	69,32	291,41
34,54	13,87	68,87	288,50
34,56	13,72	67,98	282,69
34,58	13,57	67,54	280,94
34,60	13,54	65,54	285,60
34,62	13,39	64,21	280,94
34,64	13,45	62,65	290,83
34,66	13,50	61,77	294,90
34,68	13,68	60,43	302,46
34,70	14,01	59,32	313,50
34,72	14,42	59,32	325,71
34,74	14,95	59,32	337,34
34,76	15,58	60,43	347,81
34,78	16,45	62,44	362,92
34,80	17,27	63,32	367,58
34,82	18,10	65,32	379,20
34,84	18,92	66,66	385,02
34,86	19,52	68,88	378,62
34,88	19,89	72,66	366,41
34,90	19,96	77,55	350,13
34,92	19,91	82,21	338,50
34,94	19,71	87,55	328,62
34,96	19,57	90,66	329,79
34,98	19,34	93,55	318,74
35,00	19,20	93,99	317,58
35,02	20,79	48,23	367,00
35,04	19,10	59,56	290,25
35,06	17,62	68,90	265,83
35,08	16,37	75,34	313,50
35,10	14,86	88,89	258,85
35,12	13,61	92,45	223,38
35,14	12,61	87,55	210,01
35,16	11,47	82,66	190,24
35,18	10,50	75,33	187,91
35,20	9,45	68,21	185,01
35,22	8,70	67,54	197,22
35,24	8,47	60,66	232,10
35,26	8,66	57,99	266,41
35,28	9,21	58,44	300,71
35,30	9,99	55,99	315,25
35,32	10,95	51,54	328,04
35,34	11,75	43,32	312,92
35,36	12,39	38,65	314,67
35,38	13,17	38,65	347,23
35,40	14,12	40,43	372,81
35,42	15,18	41,99	392,00
35,44	16,03	45,54	398,39
35,46	16,72	50,21	401,30
35,48	17,29	53,77	401,30
35,50	17,66	57,10	400,72

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35,52	17,98	59,55	404,20
35,54	18,37	62,89	416,42
35,56	18,68	67,33	422,23
35,58	18,97	70,00	421,65
35,60	19,21	72,67	423,98
35,62	19,48	72,44	426,88
35,64	19,78	72,44	434,44
35,66	20,06	72,66	433,86
35,68	20,39	73,55	444,90
35,70	20,71	74,66	448,40
35,72	21,03	75,99	454,21
35,74	21,29	76,66	449,56
35,76	21,45	77,33	436,77
35,78	21,63	77,55	433,86
35,80	21,58	77,10	412,93
35,82	21,55	78,43	405,95
35,84	21,45	79,99	399,56
35,86	20,64	85,76	316,99
35,88	20,38	85,09	291,41
35,90	20,26	85,09	293,73
35,92	20,14	84,65	296,06
35,94	19,90	83,53	294,90
35,96	19,81	82,42	297,80
35,98	19,72	81,09	294,32
36,00	19,68	80,42	299,55
36,02	23,91	55,55	424,56
36,04	25,46	54,66	429,79
36,06	24,22	55,10	311,76
36,08	22,88	55,32	280,36
36,10	22,01	58,44	285,01
36,12	21,13	66,88	282,10
36,14	20,62	73,54	302,46
36,16	20,20	84,65	310,01
36,18	19,96	99,54	328,04
36,20	19,83	104,87	342,00
36,22	19,75	105,75	349,55
36,24	19,50	103,75	343,74
36,26	19,20	102,86	337,34
36,28	18,96	99,74	330,37
36,30	18,60	97,52	314,67
36,32	18,26	97,29	307,11
36,34	18,38	99,52	328,04
36,36	18,87	101,07	359,44
36,38	19,97	101,29	428,05
36,40	20,91	99,95	436,19
36,42	21,68	97,06	446,07
36,44	21,89	97,06	404,79
36,46	22,50	99,73	394,90
36,48	22,77	103,50	341,41
36,50	23,35	105,95	336,18



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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36,52	23,69	110,62	329,79
36,54	24,20	112,40	340,25
36,56	24,37	114,62	330,37
36,58	24,36	116,62	321,06
36,60	24,29	117,73	320,48
36,62	24,29	117,73	321,06
36,64	24,37	115,96	329,20
36,66	24,02	117,07	314,09
36,68	23,76	116,40	310,01
36,70	23,39	114,62	310,01
36,72	23,05	111,73	305,36
36,74	22,71	109,06	301,88
36,76	22,27	106,17	289,09
36,78	21,91	104,39	293,73
36,80	21,41	102,39	282,69
36,82	20,89	98,83	276,29
36,84	20,28	96,17	269,90
36,86	19,72	93,28	266,41
36,88	18,94	91,05	253,62
36,90	18,20	88,83	247,80
36,92	17,64	85,28	256,52
36,94	17,15	81,05	262,34
36,96	16,87	76,61	268,15
36,98	16,86	72,38	282,69
37,00	16,85	69,27	286,18
37,02	16,77	67,71	284,43
37,04	16,89	67,27	289,67
37,06	16,94	70,38	288,50
37,08	20,83	52,64	312,92
37,10	19,81	57,09	249,55
37,12	19,22	64,42	257,10
37,14	18,75	73,09	270,48
37,16	18,66	86,64	301,30
37,18	18,63	98,42	309,43
37,20	18,73	104,64	322,22
37,22	18,62	107,08	320,48
37,24	18,55	107,30	319,32
37,26	18,50	106,18	326,88
37,28	18,50	104,18	325,71
37,30	18,79	103,07	340,25
37,32	19,34	101,95	361,18
37,34	19,67	100,84	360,60
37,36	20,04	101,06	351,88
37,38	20,47	100,61	358,86
37,40	20,95	99,95	366,41
37,42	21,55	99,72	378,04
37,44	22,04	102,39	383,86
37,46	22,52	104,39	389,67
37,48	23,08	107,06	400,72
37,50	23,71	108,39	406,53

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37,52	24,44	109,28	425,14
37,54	24,85	111,50	426,30
37,56	25,16	113,28	422,23
37,58	25,31	115,94	410,02
37,60	25,40	120,83	401,30
37,62	25,32	125,72	386,76
37,64	25,27	129,50	381,53
37,66	25,17	130,61	371,65
37,68	25,04	131,27	366,41
37,70	24,97	132,83	361,76
37,72	24,88	133,94	362,92
37,74	24,73	133,94	361,76
37,76	24,66	136,38	364,67
37,78	24,65	141,71	359,44
37,80	24,88	144,82	368,16
37,82	25,06	147,48	371,07
37,84	25,51	152,59	392,00
37,86	26,05	158,15	397,81
37,88	26,65	162,36	397,23
37,90	26,81	166,14	333,27
37,92	27,05	166,80	313,50
37,94	32,24	116,97	553,05
37,96	34,35	123,63	440,26
37,98	32,54	126,75	273,97
38,00	29,93	123,86	210,59
38,02	27,80	130,74	187,91
38,04	26,31	138,74	187,91
38,06	25,06	144,96	191,99
38,08	23,91	154,06	197,22
38,10	25,29	74,06	266,99
38,12	23,22	89,40	194,89
38,14	21,51	106,95	191,40
38,16	19,76	127,40	193,15
38,18	18,05	145,17	187,33
38,20	16,44	152,28	185,01
38,22	15,11	148,72	189,08
38,24	14,11	148,71	194,31
38,26	13,38	144,93	207,10
38,28	12,80	139,16	214,08
38,30	12,30	130,49	219,90
38,32	11,62	121,38	217,57
38,34	10,65	111,82	201,87
38,36	9,19	107,16	171,63
38,38	7,37	109,16	142,56
38,40	5,52	124,05	121,05
38,42	3,73	141,61	112,91
38,44	2,92	171,17	119,89
38,46	2,70	188,06	154,19
38,48	2,34	196,07	260,01
38,50	2,58	181,63	569,91

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38,52	6,29	158,08	1125,18
38,54	9,49	124,29	899,00
38,56	10,08	99,41	437,93
38,58	9,07	79,85	254,78
38,60	8,12	87,41	208,27
38,62	7,51	95,86	217,57
38,64	7,79	109,86	284,43
38,66	8,88	141,65	323,97
38,68	11,13	147,88	407,70
38,70	12,46	188,11	467,00
38,72	11,78	200,56	236,18
38,74	11,32	196,12	303,04
38,76	13,01	247,90	519,33
38,78	16,12	244,13	451,30
38,80	18,65	228,35	359,44
38,82	20,04	206,13	257,69
38,84	20,75	172,80	243,15
38,86	20,77	138,80	266,99
38,88	20,75	121,46	307,11
38,90	20,61	101,91	322,80
38,92	20,45	96,13	334,43
38,94	20,25	100,36	338,50
38,96	19,87	104,36	328,04
38,98	19,03	105,47	311,76
39,00	18,12	105,92	303,62
39,02	17,23	109,47	291,41
39,04	16,54	111,92	287,92
39,06	15,90	113,25	278,04
39,08	17,25	92,65	407,11
39,10	17,07	98,65	318,16
39,12	16,14	106,20	280,94
39,14	15,45	110,65	272,80
39,16	15,22	116,87	296,06
39,18	15,38	124,20	325,13
39,20	15,99	127,53	361,18
39,22	16,99	129,53	401,30
39,24	18,12	128,86	440,26
39,26	19,20	124,63	464,68
39,28	19,69	120,85	439,09
39,30	20,41	119,73	430,37
39,32	21,09	121,51	436,19
39,34	21,80	123,73	446,07
39,36	22,32	124,17	437,93
39,38	22,52	127,72	407,70
39,40	23,18	128,84	419,90
39,42	23,45	130,61	410,02
39,44	23,54	131,28	400,14
39,46	23,64	131,95	389,67
39,48	23,64	132,83	385,60
39,50	23,53	135,05	379,20

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda 4,00 ml

Prova 1  
 Cert. N. 362/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39,52	23,41	137,72	379,20
39,54	23,23	139,94	372,23
39,56	23,04	141,72	366,41
39,58	23,06	142,61	379,20
39,60	23,22	143,05	387,93
39,62	23,26	141,05	383,86
39,64	23,29	138,60	383,28
39,66	23,24	137,49	379,20
39,68	23,33	136,16	385,02
39,70	23,52	136,16	388,51
39,72	23,78	136,16	393,74
39,74	24,13	135,71	410,02
39,76	24,08	135,04	392,00
39,78	23,64	132,82	367,00
39,80	23,23	133,26	350,71
39,82	22,68	134,15	328,04
39,84	21,90	133,26	301,88
39,86	21,07	132,59	277,46
39,88	20,20	130,14	265,25
39,90	19,35	126,80	262,34
39,92	18,59	124,36	261,76
39,94	17,85	119,25	255,36
39,96	17,26	113,25	260,01
39,98	16,71	106,80	266,41
40,00	16,19	100,80	266,41
40,02	15,84	94,58	271,64
40,04	15,50	89,47	272,22
40,06	15,24	83,69	279,20
40,08	17,80	47,06	371,07
40,10	16,63	54,17	311,18
40,12	15,54	64,39	290,25
40,14	14,62	74,17	282,69
40,16	13,70	79,06	272,80
40,18	12,74	82,61	261,76
40,20	11,94	85,28	257,69
40,22	11,22	85,28	258,27
40,24	10,56	82,61	258,85
40,26	10,00	75,94	261,18
40,28	9,58	69,27	266,41
40,30	9,21	64,38	270,48
40,32	8,70	60,16	260,60
40,34	7,96	59,94	245,48
40,36	7,25	63,27	240,24
40,38	7,03	68,83	263,50
40,40	7,62	80,16	328,04
40,42	9,30	93,49	409,44
40,44	11,29	98,60	439,68
40,46	13,42	98,83	428,05
40,48	15,46	96,16	429,79
40,50	17,05	99,72	439,68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40,52	18,66	103,28	465,26
40,54	20,12	109,06	489,68
40,56	21,14	110,61	490,84
40,58	21,96	107,29	493,75
40,60	22,46	109,07	489,68
40,62	22,92	113,29	490,84
40,64	23,10	117,07	481,54
40,66	23,09	119,29	469,91
40,68	22,71	124,19	444,90
40,70	22,20	133,08	414,67
40,72	21,62	141,08	398,39
40,74	21,12	145,96	385,60
40,76	20,66	147,74	377,46
40,78	20,21	148,41	368,16
40,80	19,69	147,74	358,28
40,82	19,39	145,29	358,86
40,84	19,03	145,06	341,41
40,86	19,21	143,51	347,23
40,88	19,19	140,39	344,90
40,90	18,98	139,05	337,34
40,92	18,94	138,16	345,48
40,94	18,98	137,27	347,23
40,96	19,02	136,60	336,18
40,98	19,03	135,05	335,02
41,00	18,88	135,04	319,32
41,02	18,71	135,49	315,25
41,04	18,53	136,37	313,50
41,06	18,36	135,04	312,34
41,08	20,78	119,50	347,81
41,10	20,05	128,17	326,88
41,12	19,58	136,39	320,48
41,14	19,34	142,38	339,09
41,16	19,10	147,27	337,34
41,18	18,97	147,04	345,48
41,20	18,97	144,82	358,28
41,22	19,13	140,37	368,16
41,24	19,31	135,25	372,81
41,26	19,29	129,25	366,41
41,28	19,27	127,03	367,58
41,30	19,05	128,36	355,95
41,32	18,91	129,47	350,13
41,34	18,71	131,47	343,74
41,36	18,48	132,58	340,25
41,38	18,36	134,36	338,50
41,40	18,30	133,25	341,41
41,42	18,16	131,25	339,09
41,44	18,06	129,03	340,83
41,46	18,11	126,58	348,39
41,48	18,27	125,70	354,79
41,50	18,57	123,92	371,07

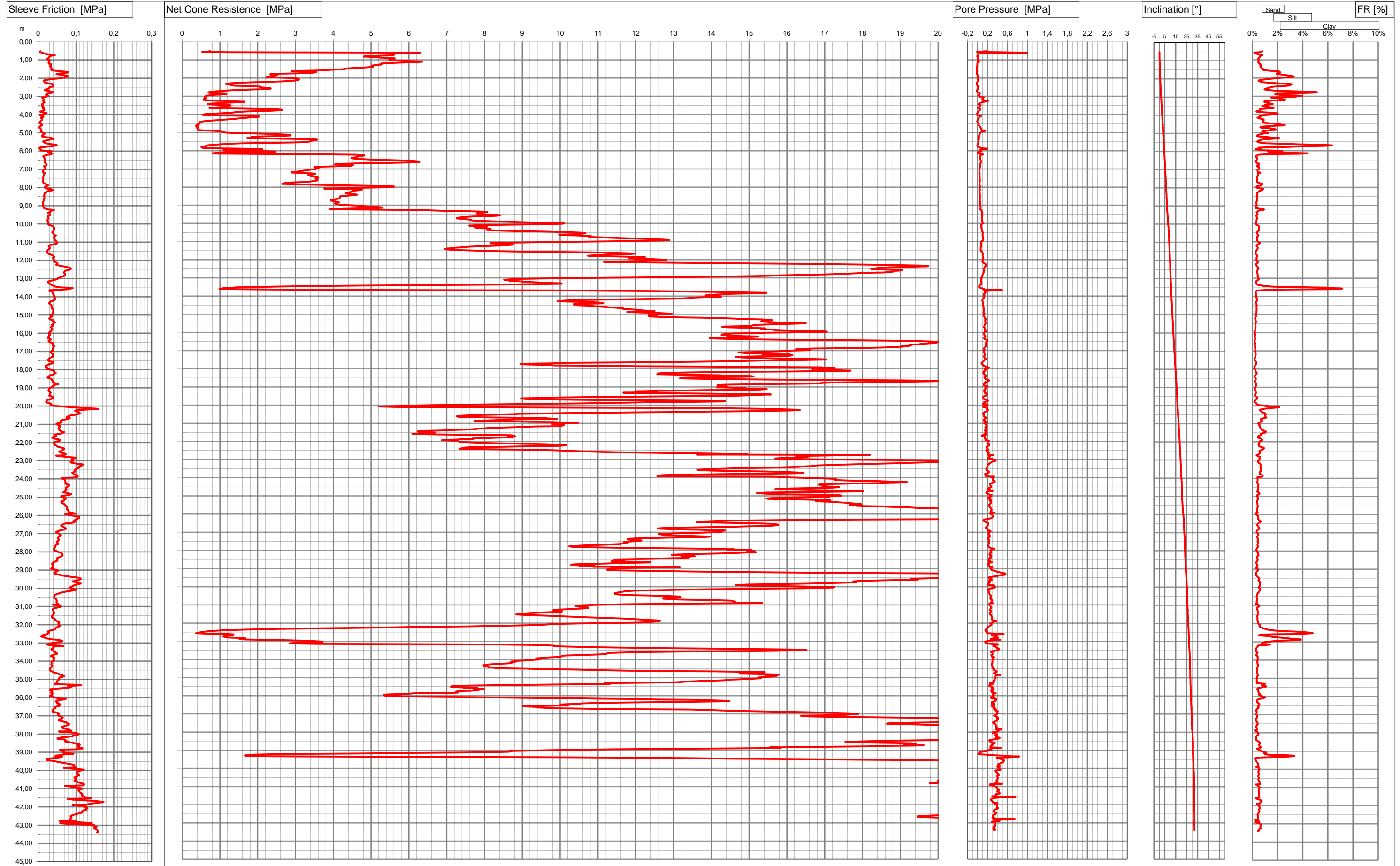
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41,52	18,95	125,25	382,11
41,54	19,23	128,81	383,86
41,56	19,33	131,92	380,37
41,58	19,05	135,03	344,90
41,60	18,81	138,14	337,34
41,62	18,53	143,47	330,95
41,64	18,24	146,36	323,97
41,66	18,09	146,14	323,97
41,68	17,99	142,58	328,04
41,70	17,83	138,14	330,95
41,72	17,87	132,58	340,25
41,74	17,81	126,36	335,60
41,76	17,52	124,58	321,64
41,78	18,11	122,58	343,16
41,80	18,90	120,81	361,76
41,82	19,57	120,14	365,25
41,84	19,81	121,92	348,39
41,86	23,72	80,31	601,89
41,88	26,47	86,08	646,08
41,90	26,96	96,97	523,40
41,92	25,53	110,53	358,86
41,94	23,91	119,42	275,71
41,96	22,73	127,64	257,69
41,98	22,03	135,64	266,99
42,00	21,66	141,64	283,27
42,02	21,44	146,52	298,39
42,04	21,22	149,63	308,27
42,06	20,96	151,18	309,43
42,08	20,73	152,07	308,85
42,10	23,09	109,00	368,74
42,12	22,26	120,33	309,43
42,14	21,64	128,11	316,41
42,16	21,36	133,00	327,46
42,18	21,10	137,88	336,76
42,20	20,88	140,99	334,43
42,22	20,79	146,10	340,83
42,24	20,87	143,87	347,81
42,26	20,98	139,87	350,71
42,28	21,05	137,20	351,88
42,30	21,08	134,98	350,71
42,32	20,98	132,76	351,88
42,34	20,90	130,76	344,90
42,36	20,87	130,76	351,30
42,38	20,69	132,98	340,83
42,40	20,80	133,88	335,60
42,42	20,87	134,10	335,60
42,44	20,79	135,22	329,20
42,46	20,88	136,12	326,88
42,48	21,05	135,01	327,46
42,50	21,18	134,35	332,11



Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Operatore dr.stanzani  
 Prova nr. 2 Cert. N. 358/2012  
 Data 26/06/12 Emesso il 26/06/2012  
 Falda ml  
 Preforo 0.50 m. p.c.

**MN-CPTU18**


  
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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c. Falda ml

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0,52	0,72	5,68	180,94
0,54	0,76	5,68	110,59
0,56	0,53	3,90	-11,51
0,58	1,30	7,23	437,93
0,60	6,29	8,35	993,78
0,62	5,95	12,57	187,33
0,64	5,68	13,02	55,93
0,66	5,62	18,80	30,35
0,68	5,61	23,69	21,05
0,70	5,55	29,25	8,25
0,72	5,57	38,14	10,58
0,74	5,59	44,14	10,00
0,76	5,39	38,81	0,11
0,78	5,10	31,03	-6,86
0,80	4,87	29,92	-9,77
0,82	4,80	29,26	-6,86
0,84	5,08	29,26	7,67
0,86	5,14	29,71	6,51
0,88	5,32	27,26	11,74
0,90	5,59	27,04	12,90
0,92	5,63	25,49	13,49
0,94	5,61	23,50	0,70
0,96	5,53	24,39	-2,21
0,98	5,48	26,83	-1,05
1,00	5,48	27,06	-1,63
1,02	5,57	30,39	0,70
1,04	5,72	31,73	3,60
1,06	5,95	29,51	7,67
1,08	6,29	29,79	40,23
1,10	6,36	29,13	25,70
1,12	6,22	28,24	14,65
1,14	5,98	27,79	5,93
1,16	5,70	27,13	-1,63
1,18	5,43	28,24	-5,12
1,20	5,26	27,80	-6,86
1,22	5,24	33,58	-6,86
1,24	5,27	34,24	-5,70
1,26	5,26	32,91	-5,70
1,28	5,19	33,13	-6,86
1,30	5,07	32,25	-8,02
1,32	5,03	34,03	-8,02
1,34	5,02	31,58	-8,02
1,36	5,04	31,81	-6,86
1,38	5,05	32,48	-6,28
1,40	4,97	32,48	-7,44
1,42	4,82	33,59	-10,35
1,44	4,60	34,26	-13,26
1,46	4,43	34,70	-15,00
1,48	4,33	35,82	-16,17
1,50	4,30	36,48	-16,75

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1,52	4,23	36,04	-15,00
1,54	3,99	34,71	-15,59
1,56	3,80	35,38	-12,68
1,58	3,70	40,71	-12,68
1,60	3,14	48,05	-18,49
1,62	2,89	61,16	-13,84
1,64	3,22	70,94	-5,70
1,66	3,46	77,17	-6,86
1,68	3,54	80,06	-10,35
1,70	3,48	76,51	-12,68
1,72	3,32	70,95	-15,59
1,74	2,99	58,29	-19,65
1,76	2,58	50,29	-21,40
1,78	2,35	48,07	-15,59
1,80	2,33	53,85	-10,35
1,82	2,39	62,74	-1,63
1,84	2,51	69,19	5,93
1,86	2,45	72,30	1,86
1,88	2,42	76,97	-2,21
1,90	2,39	79,87	-1,63
1,92	2,30	78,31	-0,47
1,94	2,23	71,20	0,11
1,96	2,41	65,43	3,60
1,98	2,71	64,32	8,25
2,00	2,88	59,88	4,77
2,02	3,01	52,55	2,44
2,04	3,08	43,44	0,70
2,06	3,09	34,65	8,83
2,08	3,09	27,32	7,67
2,10	3,08	20,88	5,93
2,12	3,05	15,99	4,77
2,14	2,97	14,21	3,02
2,16	2,85	14,66	1,28
2,18	2,67	15,10	-1,05
2,20	2,43	16,21	-3,96
2,22	2,10	16,21	-7,44
2,24	1,77	17,55	-10,93
2,26	1,53	21,99	-13,84
2,28	1,38	25,55	-16,17
2,30	1,22	29,55	-18,49
2,32	1,16	34,88	-19,65
2,34	1,21	39,11	-18,49
2,36	1,29	40,66	-17,91
2,38	1,31	40,66	-11,51
2,40	1,29	39,78	-7,44
2,42	1,39	39,55	-2,80
2,44	1,71	39,78	14,65
2,46	2,04	39,33	21,05
2,48	2,08	33,56	15,23
2,50	2,06	29,56	11,16

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2,52	2,13	29,34	8,83
2,54	2,28	28,01	7,67
2,56	2,34	28,01	6,51
2,58	2,34	25,79	4,77
2,60	2,28	23,13	3,02
2,62	2,04	19,79	-0,47
2,64	1,69	17,80	-5,12
2,66	1,35	17,80	-9,77
2,68	1,19	20,91	-12,10
2,70	1,09	25,58	-14,42
2,72	0,98	31,14	-17,33
2,74	0,83	36,92	-21,98
2,76	0,74	39,14	-14,42
2,78	0,71	38,47	-1,63
2,80	0,70	35,59	15,81
2,82	0,77	30,70	26,28
2,84	0,94	26,04	36,16
2,86	1,12	23,82	44,89
2,88	1,17	21,60	43,72
2,90	1,05	21,15	34,42
2,92	0,88	20,27	24,53
2,94	0,77	22,49	17,56
2,96	0,68	24,94	13,49
2,98	0,63	26,05	33,84
3,00	0,62	23,39	41,98
3,02	0,60	21,17	43,72
3,04	0,59	18,28	42,56
3,06	0,60	9,01	124,54
3,08	0,62	11,68	117,56
3,10	0,62	13,45	114,66
3,12	0,61	13,45	109,42
3,14	0,60	13,68	101,86
3,16	0,57	14,34	94,30
3,18	0,57	15,23	96,05
3,20	0,57	14,79	103,03
3,22	0,61	12,57	119,89
3,24	0,85	12,79	175,70
3,26	1,11	13,46	207,10
3,28	1,43	13,68	180,94
3,30	1,65	15,90	140,24
3,32	1,59	16,57	107,10
3,34	1,39	15,46	80,93
3,36	1,19	13,91	60,00
3,38	0,96	12,58	42,56
3,40	0,80	11,91	30,35
3,42	0,67	11,02	22,21
3,44	0,68	9,24	24,53
3,46	0,90	11,47	41,40
3,48	1,17	11,91	60,00
3,50	1,28	13,47	57,68

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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3,52	1,24	11,25	51,28
3,54	1,22	9,47	46,63
3,56	1,23	9,92	43,14
3,58	1,16	13,03	35,58
3,60	1,04	15,03	25,11
3,62	0,86	11,70	15,23
3,64	0,72	12,37	7,67
3,66	0,88	12,81	15,23
3,68	1,55	14,81	40,23
3,70	2,19	13,70	58,26
3,72	2,53	14,82	58,26
3,74	2,62	16,37	51,28
3,76	2,66	16,37	44,30
3,78	2,55	13,49	35,58
3,80	2,32	11,49	27,44
3,82	2,01	7,49	20,46
3,84	1,71	5,27	14,65
3,86	1,51	8,60	11,16
3,88	1,41	13,49	8,25
3,90	1,33	18,60	5,35
3,92	1,21	22,16	1,28
3,94	0,99	19,94	-4,54
3,96	0,80	16,60	-9,77
3,98	0,64	13,05	-13,84
4,00	0,57	9,94	-16,17
4,02	0,53	6,61	-15,59
4,04	0,61	4,83	-9,19
4,06	0,95	5,72	6,51
4,08	1,72	9,95	74,54
4,10	1,96	13,73	62,33
4,12	2,04	13,51	50,12
4,14	2,00	11,28	40,81
4,16	1,85	8,62	33,26
4,18	1,71	6,84	28,60
4,20	1,62	7,73	25,11
4,22	1,52	8,62	21,05
4,24	1,42	10,17	17,56
4,26	1,29	10,62	13,49
4,28	1,17	10,40	10,00
4,30	1,04	9,51	6,51
4,32	0,90	8,18	1,86
4,34	0,77	6,62	-1,63
4,36	0,65	5,51	-5,12
4,38	0,56	4,84	-7,44
4,40	0,50	4,40	-7,44
4,42	0,46	3,73	-3,96
4,44	0,48	4,18	1,86
4,46	0,47	4,85	7,67
4,48	0,45	5,29	12,32
4,50	0,42	7,07	15,23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4,52	0,42	7,73	18,72
4,54	0,42	9,51	21,05
4,56	0,44	10,40	25,11
4,58	0,40	10,62	25,70
4,60	0,38	9,51	27,44
4,62	0,36	6,85	31,51
4,64	0,39	4,85	39,07
4,66	0,40	3,74	47,79
4,68	0,42	2,85	57,68
4,70	0,42	2,63	58,84
4,72	0,41	2,85	59,42
4,74	0,39	4,18	59,42
4,76	0,40	5,74	66,40
4,78	0,42	6,63	72,21
4,80	0,41	7,52	72,21
4,82	0,42	7,96	76,86
4,84	0,41	7,96	76,28
4,86	0,41	6,85	81,51
4,88	0,55	6,41	106,51
4,90	0,84	8,63	150,70
4,92	0,99	8,85	130,93
4,94	1,00	7,97	89,07
4,96	1,06	8,19	69,89
4,98	1,08	9,08	64,07
5,00	1,17	12,41	54,77
5,02	1,32	16,63	46,63
5,04	1,85	16,86	44,89
5,06	2,15	16,86	46,05
5,08	2,38	16,41	43,72
5,10	2,67	13,97	40,23
5,12	2,82	11,97	35,00
5,14	2,87	12,41	30,93
5,16	2,86	9,97	30,35
5,18	2,65	9,30	28,60
5,20	2,33	10,64	26,86
5,22	1,97	14,19	23,95
5,24	1,84	21,75	23,37
5,26	2,05	29,08	26,86
5,28	1,96	33,30	23,95
5,30	1,72	37,52	18,72
5,32	2,01	38,63	19,30
5,34	2,73	39,74	25,70
5,36	3,34	33,30	26,86
5,38	3,57	27,74	23,95
5,40	3,57	25,08	21,05
5,42	3,51	21,29	19,88
5,44	3,46	16,41	19,30
5,46	3,40	13,74	18,72
5,48	3,38	12,63	18,72
5,50	3,36	13,52	19,30

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5,52	3,27	15,29	19,30
5,54	3,04	17,74	17,56
5,56	2,61	18,85	15,23
5,58	2,02	21,74	11,16
5,60	1,48	27,51	6,51
5,62	1,17	34,40	3,02
5,64	1,06	40,18	0,70
5,66	0,90	46,85	-2,21
5,68	0,77	49,29	-5,70
5,70	0,69	46,85	-6,86
5,72	0,64	39,29	-5,70
5,74	0,64	31,07	-0,47
5,76	0,58	22,62	5,35
5,78	0,53	15,29	13,49
5,80	0,51	7,06	25,70
5,82	0,53	2,62	41,98
5,84	0,54	3,28	58,84
5,86	0,68	4,84	93,72
5,88	1,38	3,95	167,57
5,90	2,13	5,51	193,73
5,92	1,79	6,62	94,89
5,94	1,38	6,84	58,84
5,96	1,09	6,84	42,56
5,98	1,10	17,51	39,65
6,00	1,36	32,62	46,63
6,02	2,15	35,29	66,98
6,04	2,48	31,29	65,81
6,06	1,59	26,63	22,79
6,08	1,18	26,63	14,65
6,10	0,93	30,40	7,67
6,12	0,92	34,63	7,67
6,14	0,80	36,85	4,19
6,16	0,90	34,62	13,49
6,18	2,01	33,74	60,00
6,20	3,81	27,07	108,26
6,22	4,59	21,29	82,10
6,24	4,80	18,40	65,81
6,26	4,82	16,62	59,42
6,28	4,77	13,51	55,93
6,30	4,67	13,07	54,19
6,32	4,65	13,96	53,02
6,34	4,64	14,18	53,02
6,36	4,60	15,96	51,86
6,38	4,52	16,62	51,28
6,40	4,48	16,62	51,28
6,42	4,49	16,40	51,28
6,44	4,58	16,62	51,86
6,46	4,72	17,28	53,02
6,48	4,95	17,73	54,77
6,50	5,26	17,73	57,68

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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6,52	5,60	17,51	60,58
6,54	5,90	17,28	62,91
6,56	6,10	16,84	64,65
6,58	6,21	16,39	65,81
6,60	6,27	16,61	66,40
6,62	6,28	17,72	66,40
6,64	6,13	17,95	65,23
6,66	5,79	18,83	62,91
6,68	5,24	19,94	58,26
6,70	4,59	21,50	53,02
6,72	4,16	22,39	49,53
6,74	4,04	22,38	48,37
6,76	4,16	22,16	50,12
6,78	4,39	21,05	51,86
6,80	4,52	18,83	52,44
6,82	4,48	16,38	51,86
6,84	4,34	14,83	50,70
6,86	3,94	15,49	47,79
6,88	3,64	18,38	45,47
6,90	3,50	18,82	44,30
6,92	3,55	17,93	43,72
6,94	3,62	18,82	43,72
6,96	3,58	19,71	43,14
6,98	3,56	19,04	42,56
7,00	3,53	17,71	41,98
7,02	3,51	15,93	41,98
7,04	3,40	13,71	37,90
7,06	3,33	13,04	37,32
7,08	3,26	12,82	37,32
7,10	3,19	12,82	36,74
7,12	3,13	12,82	36,74
7,14	3,08	12,82	36,16
7,16	3,01	12,82	35,58
7,18	2,89	14,82	34,42
7,20	2,90	18,38	35,58
7,22	3,13	16,15	37,90
7,24	3,41	15,27	40,23
7,26	3,52	15,49	41,40
7,28	3,52	15,49	41,40
7,30	3,45	15,27	40,81
7,32	3,37	14,82	40,23
7,34	3,33	14,37	40,23
7,36	3,37	14,15	40,23
7,38	3,39	13,93	40,81
7,40	3,43	13,71	41,40
7,42	3,50	13,71	41,98
7,44	3,53	13,49	42,56
7,46	3,57	13,04	43,14
7,48	3,60	12,82	43,14
7,50	3,58	12,60	43,14

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7,52	3,55	12,60	43,14
7,54	3,53	13,04	43,14
7,56	3,57	13,48	43,72
7,58	3,58	13,48	43,72
7,60	3,58	13,48	44,30
7,62	3,58	13,04	44,30
7,64	3,57	12,82	44,30
7,66	3,51	12,60	44,30
7,68	3,44	11,93	43,72
7,70	3,38	11,93	43,14
7,72	3,24	12,37	42,56
7,74	2,97	13,70	40,81
7,76	2,73	15,26	39,65
7,78	2,73	16,15	39,07
7,80	2,70	18,59	39,07
7,82	2,65	21,26	39,65
7,84	2,86	21,70	41,40
7,86	3,36	24,15	39,07
7,88	3,74	26,37	39,65
7,90	4,22	26,15	40,81
7,92	4,66	23,48	41,98
7,94	5,24	20,37	44,89
7,96	5,60	17,92	47,21
7,98	5,61	17,48	47,21
8,00	5,39	17,49	46,05
8,02	5,19	17,71	45,47
8,04	4,78	19,26	42,56
8,06	4,16	24,82	38,49
8,08	3,76	28,82	37,32
8,10	4,12	35,04	41,98
8,12	4,69	37,26	46,63
8,14	4,76	38,37	47,21
8,16	4,72	35,04	44,30
8,18	4,65	30,82	40,81
8,20	4,54	26,59	39,65
8,22	4,51	23,26	39,65
8,24	4,50	22,15	40,23
8,26	4,47	20,81	40,81
8,28	4,45	17,48	41,40
8,30	4,41	16,81	41,98
8,32	4,36	17,48	41,98
8,34	4,33	16,81	41,98
8,36	4,36	16,36	43,14
8,38	4,48	16,14	44,30
8,40	4,59	15,92	45,47
8,42	4,63	15,92	46,63
8,44	4,58	15,47	46,63
8,46	4,46	15,25	46,05
8,48	4,33	15,25	45,47
8,50	4,21	15,47	44,89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8,52	4,17	16,14	45,47
8,54	4,18	16,36	45,47
8,56	4,18	16,36	46,05
8,58	4,17	16,36	46,05
8,60	4,16	15,92	46,05
8,62	4,15	15,02	46,63
8,64	4,12	14,36	46,63
8,66	4,09	14,14	46,05
8,68	4,02	14,14	46,05
8,70	3,95	13,91	45,47
8,72	3,93	14,14	45,47
8,74	3,93	13,91	45,47
8,76	3,97	13,91	46,05
8,78	4,02	13,02	46,63
8,80	4,06	13,02	47,21
8,82	4,12	12,80	47,79
8,84	4,15	12,80	48,37
8,86	4,10	12,80	47,79
8,88	4,05	12,80	47,79
8,90	4,04	13,02	47,79
8,92	4,05	13,02	47,79
8,94	4,10	13,47	48,37
8,96	4,15	13,69	48,95
8,98	4,17	14,13	49,53
9,00	4,40	13,47	50,12
9,02	4,65	12,81	52,44
9,04	4,76	12,59	53,60
9,06	4,87	12,81	54,77
9,08	5,06	13,48	57,10
9,10	5,23	14,14	58,84
9,12	5,29	14,81	60,00
9,14	5,28	15,47	61,16
9,16	4,93	18,59	59,42
9,18	4,55	23,25	58,26
9,20	4,12	25,03	55,35
9,22	3,91	36,36	55,93
9,24	4,76	41,69	64,07
9,26	6,06	34,58	73,38
9,28	6,52	33,91	75,70
9,30	6,86	33,25	76,86
9,32	7,32	32,80	80,35
9,34	7,85	31,47	85,00
9,36	8,06	28,58	87,33
9,38	8,07	26,13	87,33
9,40	7,94	26,13	86,75
9,42	7,84	27,46	86,75
9,44	7,80	29,68	86,75
9,46	7,81	31,46	87,33
9,48	7,86	32,13	88,49
9,50	7,96	31,90	90,23

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c. Falda ml

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9,52	8,18	30,35	92,56
9,54	8,40	28,35	94,89
9,56	8,41	26,12	95,47
9,58	8,30	25,23	94,30
9,60	8,01	25,68	91,40
9,62	7,71	25,90	89,07
9,64	7,52	26,34	87,33
9,66	7,39	27,01	86,17
9,68	7,32	27,23	85,59
9,70	7,26	27,01	85,00
9,72	7,26	26,11	84,42
9,74	7,34	25,23	85,59
9,76	7,45	24,56	86,17
9,78	7,56	24,11	86,75
9,80	7,64	24,55	87,33
9,82	7,63	24,55	86,75
9,84	7,68	24,77	87,33
9,86	7,86	25,66	88,49
9,88	8,13	25,66	91,40
9,90	8,40	25,22	93,14
9,92	8,71	25,22	96,05
9,94	9,13	25,88	100,12
9,96	9,55	26,32	103,61
9,98	9,89	26,32	106,51
10,00	10,10	26,10	107,68
10,02	10,05	26,55	81,51
10,04	9,62	27,22	78,60
10,06	9,05	29,44	75,70
10,08	8,34	32,77	71,63
10,10	7,81	35,89	69,30
10,12	7,59	37,66	69,30
10,14	7,75	39,88	72,21
10,16	8,05	41,00	76,28
10,18	8,06	41,66	77,44
10,20	7,91	41,88	76,28
10,22	7,75	41,66	75,12
10,24	7,85	41,21	76,86
10,26	7,91	41,21	78,02
10,28	8,12	42,10	80,35
10,30	8,16	42,99	80,35
10,32	8,10	42,10	80,35
10,34	8,06	40,10	80,35
10,36	8,07	40,10	80,35
10,38	8,19	40,98	82,10
10,40	8,54	39,87	86,17
10,42	8,90	38,54	89,07
10,44	9,24	37,20	92,56
10,46	9,78	36,98	97,80
10,48	10,21	38,31	101,86
10,50	10,47	38,75	104,19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10,52	10,64	39,64	105,35
10,54	10,67	40,08	104,77
10,56	10,60	40,75	103,61
10,58	10,50	42,53	101,86
10,60	10,26	43,19	98,96
10,62	9,98	44,97	96,63
10,64	10,03	46,75	97,21
10,66	10,37	45,63	101,28
10,68	10,69	43,63	102,45
10,70	10,80	42,30	103,03
10,72	10,84	40,96	103,03
10,74	10,75	40,07	101,28
10,76	10,96	40,52	102,45
10,78	11,23	41,18	105,35
10,80	11,57	42,07	107,10
10,82	11,83	42,96	109,42
10,84	12,11	43,18	111,17
10,86	12,38	43,40	112,91
10,88	12,66	44,07	114,08
10,90	12,84	45,62	114,66
10,92	12,89	46,51	113,49
10,94	12,72	47,18	110,00
10,96	12,30	48,28	104,77
10,98	11,60	48,52	80,93
11,00	10,82	49,41	76,28
11,02	9,98	50,29	71,63
11,04	9,27	50,52	68,14
11,06	8,63	50,74	65,23
11,08	8,21	48,52	62,91
11,10	8,15	44,96	64,07
11,12	8,35	41,62	66,40
11,14	8,64	36,95	69,89
11,16	8,77	33,18	71,05
11,18	8,70	30,06	71,63
11,20	8,62	28,28	71,05
11,22	8,41	27,17	69,89
11,24	8,15	27,40	67,56
11,26	7,86	28,73	66,40
11,28	7,62	30,06	64,07
11,30	7,50	30,95	63,49
11,32	7,38	31,39	62,33
11,34	7,24	30,95	62,33
11,36	7,17	29,39	61,16
11,38	7,03	28,06	61,16
11,40	6,99	26,95	60,58
11,42	6,95	26,06	60,58
11,44	7,07	25,17	61,75
11,46	7,26	23,84	62,91
11,48	7,44	23,62	65,23
11,50	7,79	23,17	66,98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11,52	8,08	23,62	70,47
11,54	8,70	23,39	75,70
11,56	9,51	23,84	83,26
11,58	10,25	24,73	90,23
11,60	10,83	25,62	96,63
11,62	11,28	26,28	100,12
11,64	11,79	27,62	105,35
11,66	11,99	29,84	108,26
11,68	11,87	32,28	107,10
11,70	11,51	34,95	103,61
11,72	11,23	37,40	101,28
11,74	11,04	39,17	100,12
11,76	10,86	40,51	100,12
11,78	10,74	41,17	100,12
11,80	10,98	42,06	102,45
11,82	11,47	42,95	108,26
11,84	11,99	42,28	112,91
11,86	12,25	39,84	115,24
11,88	12,18	38,28	114,08
11,90	12,00	38,72	110,59
11,92	11,82	39,61	110,59
11,94	12,06	40,72	112,91
11,96	12,41	41,83	116,40
11,98	12,61	40,95	100,70
12,00	12,81	40,07	101,86
12,02	12,67	40,51	101,86
12,04	12,41	41,18	102,45
12,06	12,19	42,51	101,86
12,08	11,84	43,40	97,21
12,10	11,24	45,84	94,89
12,12	11,16	48,06	97,21
12,14	11,86	50,51	105,35
12,16	12,96	51,40	116,98
12,18	13,78	50,73	125,12
12,20	14,99	50,28	139,08
12,22	16,15	48,28	151,29
12,24	17,17	46,95	160,59
12,26	18,00	49,39	165,24
12,28	18,53	54,06	166,40
12,30	19,02	59,61	165,24
12,32	19,55	64,28	166,40
12,34	19,74	70,05	162,91
12,36	19,72	74,72	158,26
12,38	19,39	77,60	150,12
12,40	18,90	81,60	141,98
12,42	18,75	84,71	139,66
12,44	18,52	85,82	135,00
12,46	18,40	86,26	132,10
12,48	18,32	86,03	130,93
12,50	18,23	84,03	128,61



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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12,52	18,29	81,36	128,61
12,54	18,66	77,58	132,68
12,56	18,98	73,57	134,42
12,58	19,05	71,57	134,42
12,60	18,95	70,01	130,93
12,62	18,78	69,34	128,61
12,64	18,81	69,11	128,03
12,66	18,80	68,89	126,87
12,68	18,63	68,89	125,12
12,70	18,58	68,88	122,21
12,72	18,11	69,77	118,14
12,74	17,87	70,66	113,49
12,76	17,66	71,10	112,33
12,78	17,43	70,43	109,42
12,80	17,20	69,98	105,93
12,82	16,77	69,31	101,86
12,84	16,22	70,20	98,96
12,86	15,90	67,76	95,47
12,88	15,50	65,09	93,14
12,90	15,18	62,42	89,65
12,92	14,67	60,41	86,17
12,94	14,04	58,19	80,93
12,96	12,64	54,44	94,30
12,98	11,82	51,99	83,84
13,00	10,83	51,55	76,86
13,02	9,88	51,33	71,63
13,04	9,26	47,99	68,14
13,06	8,82	44,88	66,40
13,08	8,65	41,11	65,23
13,10	8,52	37,11	65,23
13,12	8,55	32,66	65,81
13,14	8,71	28,88	66,98
13,16	8,65	26,44	68,14
13,18	8,90	25,55	68,72
13,20	8,96	25,55	69,89
13,22	9,18	26,22	70,47
13,24	9,31	28,22	73,38
13,26	9,56	29,33	75,12
13,28	9,75	29,78	75,70
13,30	10,03	31,11	77,44
13,32	10,04	33,78	79,77
13,34	9,60	34,22	74,54
13,36	8,61	35,78	66,40
13,38	7,34	38,00	57,10
13,40	6,13	42,45	48,37
13,42	4,95	43,12	41,40
13,44	3,92	45,78	35,00
13,46	2,98	47,34	28,60
13,48	2,48	57,78	28,60
13,50	1,88	76,01	27,44

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13,52	1,42	91,34	34,42
13,54	1,37	88,23	46,63
13,56	1,11	84,68	67,56
13,58	1,05	80,46	91,40
13,60	0,99	72,46	122,80
13,62	1,30	52,02	131,52
13,64	2,17	30,24	122,21
13,66	4,03	33,57	229,20
13,68	7,88	28,91	493,75
13,70	10,77	33,58	246,64
13,72	12,14	36,69	171,63
13,74	13,10	37,36	148,96
13,76	13,67	38,25	146,05
13,78	14,29	38,47	147,80
13,80	14,93	38,03	153,61
13,82	15,46	39,14	155,94
13,84	15,26	39,36	145,47
13,86	14,86	39,36	136,17
13,88	14,36	40,47	123,96
13,90	14,34	41,14	129,77
13,92	14,09	42,03	126,87
13,94	14,12	42,92	130,35
13,96	13,85	43,61	139,66
13,98	13,87	43,17	132,68
14,00	14,14	42,06	132,10
14,02	14,27	42,28	137,91
14,04	14,25	42,94	133,26
14,06	13,85	44,28	124,54
14,08	13,53	44,94	119,30
14,10	13,47	45,61	123,38
14,12	13,30	45,83	125,12
14,14	13,08	45,38	124,54
14,16	12,46	43,38	112,33
14,18	11,64	41,60	103,03
14,20	11,00	39,38	98,38
14,22	10,42	37,60	95,47
14,24	10,18	35,15	93,72
14,26	10,01	32,27	93,14
14,28	9,93	31,37	97,80
14,30	10,13	30,26	103,03
14,32	10,64	29,59	112,33
14,34	10,90	28,26	114,66
14,36	11,06	28,26	113,49
14,38	11,16	29,37	113,49
14,40	11,15	31,37	112,33
14,42	10,75	33,37	104,77
14,44	10,36	35,14	103,61
14,46	10,42	35,14	103,03
14,48	10,37	35,14	106,51
14,50	10,46	34,92	108,84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14,52	10,68	35,81	112,91
14,54	10,85	34,92	113,49
14,56	10,92	35,58	116,98
14,58	11,04	34,92	118,14
14,60	11,24	35,80	117,56
14,62	11,26	36,92	120,47
14,64	11,46	37,14	118,72
14,66	11,61	37,36	119,30
14,68	11,67	38,47	121,05
14,70	11,66	39,14	121,05
14,72	11,82	39,14	121,05
14,74	11,97	39,58	122,80
14,76	12,14	39,80	126,29
14,78	12,13	39,80	123,96
14,80	12,28	39,36	124,54
14,82	12,50	39,36	128,03
14,84	12,17	39,36	123,38
14,86	11,86	38,69	116,98
14,88	11,77	37,58	114,66
14,90	12,11	37,58	123,38
14,92	12,51	37,36	130,93
14,94	12,70	37,58	130,93
14,96	12,87	36,04	138,50
14,98	12,96	33,60	135,59
15,00	12,70	32,27	129,77
15,02	12,58	32,71	123,38
15,04	12,59	34,27	126,29
15,06	12,34	36,04	127,45
15,08	12,41	35,60	126,29
15,10	12,34	34,49	123,96
15,12	12,40	32,49	126,29
15,14	12,51	31,15	132,10
15,16	12,90	30,04	140,24
15,18	13,54	28,93	147,21
15,20	13,99	28,93	149,54
15,22	14,43	30,04	155,94
15,24	14,66	31,15	154,19
15,26	14,69	33,59	150,70
15,28	15,33	38,70	164,08
15,30	15,45	38,70	158,84
15,32	15,60	39,15	155,94
15,34	15,41	39,59	152,45
15,36	15,44	39,81	148,96
15,38	15,32	42,92	149,54
15,40	15,34	44,92	152,45
15,42	15,48	42,92	153,61
15,44	15,63	41,81	157,68
15,46	15,87	40,92	161,75
15,48	16,22	40,03	166,40
15,50	16,50	37,58	162,33

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15,52	16,20	36,69	155,36
15,54	15,88	36,25	147,80
15,56	15,50	37,35	140,24
15,58	15,27	37,57	139,08
15,60	15,12	38,02	141,40
15,62	15,08	36,90	140,24
15,64	15,07	34,68	139,66
15,66	14,71	34,23	132,68
15,68	14,35	33,79	128,03
15,70	14,29	34,45	128,03
15,72	14,44	35,79	134,42
15,74	14,73	37,12	138,50
15,76	15,23	37,34	146,63
15,78	15,43	36,01	148,38
15,80	15,31	35,56	143,15
15,82	15,32	34,45	141,98
15,84	15,63	35,56	154,78
15,86	15,64	33,56	136,17
15,88	15,86	33,55	144,89
15,90	16,13	32,00	148,38
15,92	16,61	32,44	162,33
15,94	16,97	30,25	171,63
15,96	17,06	28,69	157,10
15,98	16,73	30,25	143,15
16,00	16,11	30,25	137,91
16,02	15,46	28,69	129,77
16,04	15,05	29,58	128,03
16,06	14,58	28,92	128,61
16,08	14,41	29,58	132,10
16,10	14,33	30,92	132,10
16,12	14,27	28,69	132,10
16,14	14,27	28,91	136,17
16,16	14,45	27,13	136,75
16,18	14,41	27,36	143,73
16,20	14,73	28,25	148,96
16,22	15,24	28,69	157,10
16,24	15,19	26,02	150,70
16,26	14,98	25,79	144,31
16,28	14,63	26,02	136,75
16,30	14,27	28,68	131,52
16,32	13,95	32,46	130,35
16,34	14,13	33,79	134,42
16,36	14,44	33,12	139,08
16,38	14,86	32,01	149,54
16,40	15,70	29,35	169,31
16,42	17,11	26,90	199,54
16,44	18,14	28,23	199,54
16,46	18,90	28,68	196,64
16,48	19,40	29,56	193,15
16,50	19,76	32,45	189,08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16,52	19,99	34,23	180,94
16,54	19,75	38,01	172,22
16,56	19,78	40,00	168,73
16,58	19,96	39,56	172,22
16,60	19,79	38,00	169,89
16,62	19,63	37,33	164,08
16,64	19,55	37,11	161,75
16,66	19,48	39,11	163,50
16,68	19,25	40,00	158,84
16,70	19,29	41,77	158,26
16,72	19,04	42,44	155,94
16,74	19,18	40,88	159,42
16,76	19,22	39,77	168,73
16,78	19,10	38,65	158,84
16,80	18,93	39,32	153,03
16,82	18,69	38,43	148,38
16,84	18,32	39,09	141,98
16,86	17,80	38,20	133,26
16,88	17,06	37,98	123,38
16,90	16,41	38,42	122,80
16,92	16,24	37,53	116,40
16,94	16,35	39,31	130,35
16,96	16,61	35,55	141,98
16,98	16,61	35,78	139,08
17,00	16,12	34,89	132,68
17,02	15,94	33,56	129,77
17,04	15,74	32,22	129,19
17,06	15,47	32,67	129,19
17,08	15,04	34,22	124,54
17,10	14,72	36,00	127,45
17,12	14,83	37,55	134,42
17,14	14,92	38,66	139,08
17,16	15,44	39,78	146,63
17,18	15,34	38,22	139,66
17,20	15,69	38,66	141,40
17,22	16,08	38,66	141,40
17,24	15,93	39,99	139,08
17,26	16,15	40,66	145,47
17,28	16,08	39,33	142,56
17,30	15,70	36,88	136,75
17,32	15,07	34,66	125,12
17,34	14,82	32,44	133,26
17,36	14,65	30,66	132,68
17,38	14,83	28,88	139,08
17,40	15,10	28,44	139,66
17,42	15,40	27,99	147,21
17,44	16,03	27,32	160,00
17,46	16,47	25,10	162,91
17,48	16,98	25,99	160,00
17,50	17,05	29,77	160,59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17,52	16,40	27,54	137,33
17,54	15,58	30,88	126,29
17,56	15,03	34,66	121,05
17,58	14,74	38,66	123,38
17,60	14,23	39,10	114,66
17,62	13,34	39,77	105,93
17,64	12,68	37,99	99,54
17,66	10,94	35,99	83,84
17,68	9,97	32,43	78,02
17,70	9,78	28,21	80,35
17,72	9,19	28,21	87,91
17,74	8,95	25,09	82,10
17,76	9,07	22,65	89,07
17,78	9,38	20,21	98,38
17,80	9,79	19,98	111,75
17,82	9,85	19,10	110,00
17,84	11,04	19,54	129,77
17,86	12,07	19,98	143,15
17,88	13,84	23,10	178,03
17,90	15,43	24,66	188,50
17,92	16,92	22,43	187,33
17,94	16,89	24,71	232,69
17,96	17,27	21,60	166,40
17,98	16,79	28,49	152,45
18,00	16,66	32,27	146,05
18,02	16,97	35,82	158,84
18,04	16,85	39,38	145,47
18,06	17,43	42,04	159,42
18,08	17,14	42,04	144,89
18,10	17,68	42,49	153,03
18,12	17,65	42,26	148,96
18,14	16,38	42,26	122,80
18,16	15,68	44,26	128,03
18,18	14,13	46,48	121,63
18,20	13,40	43,14	112,33
18,22	12,99	42,92	119,89
18,24	12,68	41,81	116,98
18,26	12,58	41,58	126,87
18,28	12,60	35,80	129,77
18,30	12,57	32,25	126,87
18,32	12,96	32,46	144,89
18,34	13,61	30,02	153,61
18,36	14,20	27,13	157,68
18,38	14,45	26,46	157,68
18,40	15,03	27,35	171,63
18,42	15,12	24,46	163,50
18,44	14,84	24,68	153,03
18,46	14,14	28,68	140,24
18,48	13,51	31,35	136,17
18,50	13,18	33,79	139,66

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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18,52	13,17	35,57	142,56
18,54	13,42	35,79	148,38
18,56	13,72	34,90	157,10
18,58	14,69	36,90	175,70
18,60	15,99	38,23	194,31
18,62	17,59	38,68	216,99
18,64	19,04	39,12	230,36
18,66	19,83	37,57	225,13
18,68	20,16	37,34	211,17
18,70	19,72	38,45	189,08
18,72	18,86	40,01	166,40
18,74	17,85	44,23	150,12
18,76	17,14	47,34	144,89
18,78	16,93	50,45	150,12
18,80	16,89	53,11	155,94
18,82	16,53	46,89	150,70
18,84	15,73	42,45	135,59
18,86	14,87	41,78	123,96
18,88	14,32	39,11	120,47
18,90	14,16	39,11	125,70
18,92	14,36	39,33	136,17
18,94	14,40	38,21	141,98
18,96	14,37	37,14	206,52
18,98	14,38	32,47	171,05
19,00	14,43	30,69	165,82
19,02	14,15	29,81	153,61
19,04	14,61	28,70	166,99
19,06	14,91	28,03	168,73
19,08	14,60	28,47	153,03
19,10	15,26	29,36	159,42
19,12	15,47	27,14	154,19
19,14	15,28	26,47	147,80
19,16	15,00	27,36	153,61
19,18	13,85	28,47	130,93
19,20	13,20	28,92	133,26
19,22	12,51	31,36	141,40
19,24	11,99	31,36	131,52
19,26	12,56	33,14	147,21
19,28	12,28	32,25	151,29
19,30	12,10	31,13	139,08
19,32	11,67	31,80	139,08
19,34	12,31	30,69	146,63
19,36	13,42	31,80	180,94
19,38	14,55	31,80	193,15
19,40	15,41	29,58	194,89
19,42	15,57	28,46	177,45
19,44	15,19	33,13	170,47
19,46	15,05	34,46	164,66
19,48	14,68	37,13	162,33
19,50	13,78	39,13	146,63

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19,52	12,52	39,80	122,21
19,54	11,67	39,35	114,66
19,56	10,76	38,46	112,33
19,58	9,92	38,24	110,59
19,60	9,69	34,46	113,49
19,62	9,02	32,24	113,49
19,64	8,96	28,91	121,63
19,66	9,11	25,13	126,87
19,68	9,38	23,35	137,33
19,70	10,11	22,46	157,68
19,72	11,30	21,57	178,03
19,74	12,46	22,46	198,38
19,76	13,96	20,90	209,43
19,78	14,36	20,68	188,50
19,80	14,36	22,68	177,45
19,82	13,53	27,57	158,84
19,84	12,40	29,79	129,19
19,86	11,84	32,46	132,10
19,88	11,17	34,90	133,26
19,90	10,64	35,13	126,87
19,92	9,91	32,68	118,14
19,94	9,19	32,02	110,00
19,96	8,13	33,83	203,03
19,98	7,46	38,05	152,45
20,00	6,67	52,28	138,50
20,02	6,22	63,39	132,68
20,04	5,93	75,39	136,17
20,06	5,62	85,39	130,35
20,08	5,20	98,72	115,24
20,10	5,64	122,94	112,33
20,12	7,72	140,71	184,43
20,14	10,43	152,93	184,43
20,16	12,81	158,93	185,59
20,18	14,48	136,70	178,03
20,20	15,30	119,14	176,29
20,22	15,66	104,92	186,75
20,24	16,08	98,26	200,12
20,26	16,32	97,37	207,10
20,28	16,34	99,81	207,69
20,30	16,03	101,81	198,38
20,32	15,48	104,47	186,17
20,34	14,81	107,36	177,45
20,36	13,94	108,25	161,75
20,38	12,96	107,14	140,82
20,40	12,01	111,58	139,66
20,42	11,34	108,46	133,26
20,44	10,12	105,57	114,08
20,46	9,80	99,57	119,30
20,48	8,90	96,23	112,91
20,50	8,79	87,79	122,80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20,52	8,31	85,34	121,63
20,54	7,94	82,67	120,47
20,56	7,67	79,12	128,03
20,58	7,41	76,67	120,47
20,60	7,29	75,11	123,96
20,62	7,26	75,34	130,35
20,64	7,29	78,45	135,59
20,66	7,45	83,78	150,70
20,68	8,18	81,78	161,75
20,70	9,02	81,11	181,52
20,72	9,63	74,00	159,42
20,74	9,75	69,78	148,96
20,76	9,92	64,44	135,00
20,78	9,03	61,77	128,61
20,80	8,64	59,99	118,14
20,82	8,38	58,89	122,21
20,84	8,18	60,22	133,84
20,86	7,75	61,33	130,35
20,88	8,12	62,89	158,84
20,90	8,73	60,22	167,57
20,92	9,24	58,22	180,36
20,94	9,86	52,89	159,42
20,96	10,13	49,84	191,40
20,98	10,47	48,28	136,75
21,00	10,19	48,51	132,10
21,02	10,07	51,40	147,21
21,04	9,79	55,84	160,00
21,06	9,98	56,06	173,38
21,08	9,97	54,28	175,12
21,10	10,09	56,06	178,61
21,12	9,96	58,50	176,29
21,14	10,05	58,28	174,54
21,16	10,02	56,50	178,61
21,18	9,34	55,39	161,75
21,20	9,00	54,72	166,40
21,22	8,80	54,05	158,26
21,24	8,38	53,38	153,03
21,26	8,07	54,50	161,17
21,28	8,08	54,72	169,89
21,30	7,81	57,16	169,31
21,32	7,77	55,83	160,59
21,34	7,62	57,16	157,68
21,36	7,30	59,60	151,29
21,38	7,00	61,60	157,10
21,40	6,84	61,38	160,59
21,42	6,45	63,82	146,63
21,44	6,24	69,16	157,68
21,46	6,39	65,60	157,68
21,48	6,48	64,49	165,82
21,50	6,27	61,82	157,10

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21,52	6,68	56,04	166,40
21,54	6,39	50,71	150,12
21,56	6,45	43,60	147,80
21,58	6,08	41,82	144,31
21,60	6,32	44,71	166,99
21,62	7,04	46,93	175,12
21,64	7,91	47,82	141,98
21,66	8,69	47,82	103,61
21,68	8,78	44,27	78,60
21,70	8,62	38,71	83,26
21,72	8,81	37,60	121,05
21,74	8,78	36,93	138,50
21,76	8,75	39,16	156,52
21,78	8,55	41,16	148,38
21,80	8,26	47,82	143,15
21,82	8,07	53,16	146,63
21,84	7,67	55,38	145,47
21,86	7,72	57,16	162,33
21,88	7,38	57,83	156,52
21,90	7,26	56,94	168,73
21,92	6,93	53,16	153,61
21,94	6,87	50,28	160,00
21,96	7,25	42,34	228,61
21,98	7,26	42,12	211,17
22,00	7,32	40,79	204,78
22,02	7,33	41,23	204,78
22,04	7,49	41,67	198,38
22,06	7,76	42,34	203,03
22,08	7,94	43,45	203,03
22,10	8,23	44,56	206,52
22,12	8,67	44,78	219,31
22,14	9,37	44,56	230,94
22,16	9,66	45,89	225,71
22,18	9,93	48,56	230,94
22,20	10,14	49,67	226,87
22,22	10,17	51,44	225,71
22,24	9,95	53,44	214,66
22,26	9,44	57,88	199,54
22,28	8,90	60,55	186,75
22,30	8,34	63,88	183,26
22,32	7,63	68,10	175,70
22,34	7,46	68,99	185,01
22,36	7,48	68,99	187,91
22,38	7,40	66,32	193,73
22,40	7,34	65,65	196,06
22,42	7,68	63,87	202,45
22,44	8,45	62,53	216,99
22,46	9,23	61,64	197,22
22,48	9,78	58,31	174,54
22,50	10,02	55,42	171,05

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22,52	10,22	57,64	185,01
22,54	10,45	58,97	199,54
22,56	10,79	62,08	212,33
22,58	11,17	64,30	225,13
22,60	11,39	69,19	223,38
22,62	12,08	72,75	215,82
22,64	12,97	72,74	222,80
22,66	13,65	71,41	215,24
22,68	14,32	68,74	201,29
22,70	14,95	67,41	207,69
22,72	13,62	47,19	210,59
22,74	18,20	58,08	309,43
22,76	17,48	62,97	251,87
22,78	16,86	71,19	236,76
22,80	16,34	80,96	233,85
22,82	16,24	94,07	243,15
22,84	16,37	101,18	246,06
22,86	16,55	98,06	240,24
22,88	16,33	91,62	223,96
22,90	16,03	88,28	211,75
22,92	15,79	88,50	207,10
22,94	15,69	90,72	209,43
22,96	16,12	88,96	287,34
22,98	16,60	90,07	284,43
23,00	17,36	92,51	310,01
23,02	18,57	91,18	346,06
23,04	19,68	87,40	363,50
23,06	20,38	85,84	360,60
23,08	20,48	85,40	333,85
23,10	20,42	87,17	313,50
23,12	20,14	90,73	292,57
23,14	19,87	95,17	280,36
23,16	19,55	102,50	265,83
23,18	19,28	110,50	255,36
23,20	18,94	117,38	244,90
23,22	18,52	118,49	233,85
23,24	18,13	117,15	222,80
23,26	17,87	115,37	222,22
23,28	17,49	112,92	207,10
23,30	17,13	109,36	202,45
23,32	16,84	107,36	197,80
23,34	16,66	108,02	198,96
23,36	16,66	108,69	200,70
23,38	16,45	109,13	197,22
23,40	16,31	106,68	197,80
23,42	16,02	104,23	193,15
23,44	15,64	100,01	185,01
23,46	15,14	98,22	177,45
23,48	14,64	98,44	176,29
23,50	14,36	97,33	174,54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23,52	14,05	96,44	171,63
23,54	13,77	96,21	170,47
23,56	13,64	97,10	175,12
23,58	13,71	98,21	185,59
23,60	13,99	96,21	193,73
23,62	14,30	94,65	199,54
23,64	14,82	92,43	211,17
23,66	15,51	89,76	228,03
23,68	15,99	90,87	228,61
23,70	16,15	92,43	220,48
23,72	16,32	93,31	220,48
23,74	16,45	94,43	217,57
23,76	16,14	95,98	191,40
23,78	15,51	99,32	169,31
23,80	14,36	104,21	148,38
23,82	13,65	104,21	150,12
23,84	12,96	104,43	148,38
23,86	12,70	104,21	157,10
23,88	12,62	104,21	165,82
23,90	12,57	100,44	166,99
23,92	12,57	93,77	168,73
23,94	15,63	61,35	326,88
23,96	15,79	62,46	280,36
23,98	16,05	63,79	278,62
24,00	16,36	65,35	291,41
24,02	16,71	68,68	300,13
24,04	17,02	70,01	308,85
24,06	17,30	70,23	310,60
24,08	17,31	70,68	308,27
24,10	17,30	71,12	303,04
24,12	17,27	70,45	301,30
24,14	17,44	71,12	311,18
24,16	17,77	72,45	322,80
24,18	18,34	72,45	344,32
24,20	18,67	72,22	343,74
24,22	18,89	71,78	342,00
24,24	19,17	71,55	342,00
24,26	19,12	72,44	325,13
24,28	18,75	74,22	303,62
24,30	18,25	77,77	277,46
24,32	17,70	80,88	257,69
24,34	17,19	82,21	246,06
24,36	16,92	82,21	244,90
24,38	16,84	81,32	250,13
24,40	16,95	79,32	256,52
24,42	17,01	76,21	261,18
24,44	17,04	74,65	260,01
24,46	16,94	74,65	254,78
24,48	17,06	73,09	259,43
24,50	17,26	72,65	268,15

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Committente AUTOBRENNERO SPA  
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 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24,52	17,38	72,64	267,57
24,54	17,22	74,20	254,20
24,56	16,87	74,86	239,66
24,58	16,39	74,64	219,31
24,60	15,89	74,19	208,85
24,62	15,69	73,97	211,17
24,64	15,86	73,75	223,38
24,66	16,27	71,74	240,82
24,68	16,79	70,41	261,18
24,70	17,22	69,96	268,73
24,72	17,85	69,96	304,20
24,74	18,03	65,74	216,99
24,76	17,66	76,63	215,82
24,78	16,95	78,63	194,89
24,80	16,09	81,07	175,70
24,82	15,47	87,29	171,05
24,84	15,21	86,40	175,70
24,86	15,30	84,18	188,50
24,88	15,47	78,40	201,29
24,90	15,78	73,07	215,24
24,92	16,37	68,84	236,76
24,94	17,11	61,79	280,94
24,96	17,38	60,68	268,73
24,98	17,44	60,24	264,08
25,00	17,14	62,02	251,29
25,02	16,95	64,46	249,55
25,04	17,14	66,90	266,41
25,06	16,64	71,57	243,15
25,08	16,19	72,45	220,48
25,10	15,75	72,68	206,52
25,12	15,57	71,34	212,92
25,14	15,46	69,78	217,57
25,16	15,51	68,89	227,45
25,18	16,00	68,00	251,87
25,20	16,45	66,67	261,76
25,22	16,85	63,78	274,55
25,24	17,15	60,89	270,48
25,26	16,99	60,66	254,20
25,28	16,77	61,33	247,80
25,30	16,90	62,44	254,78
25,32	17,15	63,33	265,83
25,34	17,22	65,32	264,08
25,36	17,48	67,32	273,39
25,38	17,58	69,10	268,15
25,40	17,66	70,21	263,50
25,42	17,79	70,65	251,29
25,44	17,89	71,76	246,06
25,46	17,97	72,65	243,73
25,48	17,86	73,09	235,59
25,50	17,65	73,98	219,90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25,52	17,78	74,20	224,55
25,54	17,85	75,54	230,94
25,56	18,06	75,98	233,27
25,58	18,52	76,42	248,39
25,60	18,76	77,09	254,20
25,62	19,16	76,64	258,85
25,64	19,34	75,31	254,20
25,66	19,47	75,97	254,20
25,68	19,87	77,75	266,41
25,70	20,12	79,31	269,31
25,72	20,48	79,31	272,80
25,74	20,96	79,97	280,36
25,76	21,44	80,42	286,18
25,78	21,69	79,30	280,94
25,80	21,68	79,75	262,92
25,82	21,80	81,30	262,34
25,84	21,93	85,30	268,73
25,86	22,34	88,86	275,71
25,88	22,65	93,30	274,55
25,90	23,11	99,30	286,76
25,92	28,99	70,41	344,32
25,94	28,01	75,08	257,69
25,96	27,20	79,74	238,50
25,98	26,79	81,52	257,10
26,00	26,55	85,30	275,13
26,02	26,34	93,07	291,41
26,04	25,87	98,40	287,34
26,06	25,56	104,62	291,41
26,08	25,29	108,17	297,22
26,10	25,08	109,06	301,88
26,12	24,91	108,61	306,53
26,14	24,68	107,94	303,04
26,16	24,44	107,49	299,55
26,18	24,23	104,38	297,22
26,20	23,84	101,27	286,18
26,22	23,32	101,04	275,13
26,24	22,66	99,93	257,69
26,26	21,42	96,37	214,08
26,28	19,90	95,03	173,96
26,30	18,16	95,47	136,75
26,32	16,56	97,91	116,98
26,34	15,46	97,91	113,49
26,36	14,64	95,69	119,89
26,38	14,13	93,24	128,03
26,40	13,80	89,68	137,33
26,42	13,64	81,46	148,38
26,44	13,62	72,57	160,59
26,46	13,94	68,12	179,20
26,48	14,42	67,23	200,12
26,50	14,96	64,35	212,92

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26,52	15,40	61,68	216,40
26,54	15,59	60,79	214,08
26,56	15,70	60,57	212,33
26,58	15,77	60,79	210,01
26,60	15,77	63,68	208,27
26,62	15,71	65,68	204,20
26,64	15,56	67,90	197,80
26,66	15,24	69,24	186,17
26,68	14,88	71,68	182,10
26,70	14,51	72,79	176,87
26,72	13,96	73,02	167,57
26,74	13,26	72,13	160,59
26,76	12,80	70,13	162,91
26,78	12,59	66,58	171,63
26,80	12,62	63,02	184,43
26,82	12,81	58,80	194,89
26,84	13,14	55,69	205,94
26,86	13,62	52,14	218,73
26,88	14,07	49,70	223,96
26,90	14,36	47,70	221,06
26,92	14,33	47,70	208,27
26,94	14,18	48,01	262,34
26,96	14,29	50,23	254,20
26,98	14,23	52,23	244,31
27,00	14,08	54,01	235,01
27,02	13,72	56,01	226,29
27,04	13,36	56,90	218,15
27,06	13,10	57,79	222,22
27,08	12,82	58,90	219,31
27,10	12,61	60,23	223,38
27,12	12,68	59,12	228,03
27,14	12,75	57,12	235,01
27,16	12,85	55,12	236,76
27,18	12,95	54,01	235,01
27,20	13,31	52,89	244,31
27,22	13,72	51,78	248,39
27,24	13,97	51,34	244,90
27,26	13,83	51,34	237,92
27,28	13,38	52,00	221,64
27,30	12,82	54,00	214,66
27,32	12,47	54,44	212,33
27,34	12,00	54,67	206,52
27,36	11,78	54,44	212,33
27,38	11,80	52,66	218,73
27,40	11,79	51,78	225,13
27,42	11,91	50,44	226,87
27,44	12,13	49,11	232,10
27,46	12,15	48,89	230,94
27,48	12,12	48,44	223,38
27,50	11,90	49,77	218,15

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c. Falda ml

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27,52	11,76	51,77	219,31
27,54	11,68	53,33	223,38
27,56	11,71	53,77	229,78
27,58	11,79	51,77	229,78
27,60	11,74	49,33	227,45
27,62	11,64	47,10	223,96
27,64	11,61	45,77	226,87
27,66	11,46	44,88	221,06
27,68	11,22	45,33	214,66
27,70	10,95	45,77	211,75
27,72	10,69	45,33	210,01
27,74	10,46	44,88	212,92
27,76	10,33	44,44	212,92
27,78	10,24	43,55	216,40
27,80	10,32	42,89	222,22
27,82	10,60	41,78	231,52
27,84	11,06	41,11	241,99
27,86	11,83	40,89	253,62
27,88	12,79	42,22	270,48
27,90	13,56	42,28	335,60
27,92	14,26	42,51	310,01
27,94	14,62	44,73	299,55
27,96	14,43	49,39	278,04
27,98	15,07	49,84	279,78
28,00	14,93	52,28	255,94
28,02	15,14	54,28	271,06
28,04	14,98	58,28	258,27
28,06	15,14	60,50	265,83
28,08	15,06	61,83	265,25
28,10	15,18	62,72	279,78
28,12	14,83	64,27	261,18
28,14	14,63	64,50	264,66
28,16	14,35	64,27	251,29
28,18	14,07	63,82	249,55
28,20	13,49	64,27	239,66
28,22	13,14	62,93	235,59
28,24	12,95	61,82	240,24
28,26	13,13	60,70	264,08
28,28	13,32	58,04	271,06
28,30	13,43	54,48	276,29
28,32	13,56	50,92	266,41
28,34	13,36	50,47	257,69
28,36	13,22	50,92	247,80
28,38	13,40	50,47	259,43
28,40	13,37	50,69	261,18
28,42	13,17	51,36	264,66
28,44	12,84	50,25	237,34
28,46	12,39	49,58	222,22
28,48	11,90	50,69	230,94
28,50	11,43	49,57	223,96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28,52	11,69	46,02	237,34
28,54	11,54	44,02	230,36
28,56	11,61	41,79	241,40
28,58	11,36	39,79	223,96
28,60	11,59	38,02	238,50
28,62	11,84	38,01	268,15
28,64	12,40	36,68	286,18
28,66	12,39	37,57	277,46
28,68	12,00	37,12	237,34
28,70	11,39	38,45	213,50
28,72	11,26	37,35	213,50
28,74	10,78	37,57	207,10
28,76	10,41	38,45	204,78
28,78	10,31	39,12	211,17
28,80	10,29	40,45	233,27
28,82	10,50	38,23	223,96
28,84	10,50	38,45	225,71
28,86	10,91	37,12	236,76
28,88	10,79	38,45	240,24
28,90	10,89	37,57	235,59
28,92	13,17	33,38	302,46
28,94	12,48	38,04	272,22
28,96	11,91	42,27	258,27
28,98	11,58	45,82	260,01
29,00	11,37	48,93	261,18
29,02	11,28	51,38	270,48
29,04	11,25	52,26	273,39
29,06	11,25	50,93	278,04
29,08	11,25	47,82	281,52
29,10	11,58	46,04	308,27
29,12	12,04	44,04	330,37
29,14	12,69	42,26	357,69
29,16	13,37	42,26	379,79
29,18	14,16	43,37	403,62
29,20	15,18	44,26	432,70
29,22	16,53	46,92	472,23
29,24	17,94	50,92	498,98
29,26	19,61	55,81	535,61
29,28	21,42	62,69	558,87
29,30	23,19	65,36	558,87
29,32	24,77	70,69	555,38
29,34	26,13	76,03	539,10
29,36	26,70	81,80	496,07
29,38	26,73	90,69	426,30
29,40	26,69	100,69	392,58
29,42	26,23	108,46	351,30
29,44	25,29	110,69	314,09
29,46	23,87	110,68	269,90
29,48	22,20	112,23	228,61
29,50	21,10	112,90	223,96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29,52	20,14	109,34	225,71
29,54	19,72	103,78	240,82
29,56	19,33	104,67	254,20
29,58	19,28	103,78	272,80
29,60	19,46	94,88	289,67
29,62	19,23	90,88	275,71
29,64	18,74	92,43	250,13
29,66	18,25	98,42	233,27
29,68	17,96	101,09	230,94
29,70	17,76	103,53	231,52
29,72	17,83	109,97	243,73
29,74	17,84	112,41	251,87
29,76	17,78	108,19	247,22
29,78	17,39	103,29	230,36
29,80	17,06	99,73	226,87
29,82	16,71	98,18	216,99
29,84	16,11	94,62	204,20
29,86	15,55	91,95	197,22
29,88	15,00	91,29	193,15
29,90	14,65	89,06	197,80
29,92	14,79	88,19	314,67
29,94	15,06	84,63	306,53
29,96	15,53	83,97	314,09
29,98	16,20	85,97	335,02
30,00	16,79	86,63	342,58
30,02	17,25	86,41	348,39
30,04	17,22	92,40	338,50
30,06	16,86	97,96	294,32
30,08	16,42	100,40	291,41
30,10	15,56	96,40	257,69
30,12	14,75	92,17	232,10
30,14	13,93	85,72	218,15
30,16	13,32	79,94	214,66
30,18	12,76	73,94	210,59
30,20	12,31	69,72	211,17
30,22	11,97	63,72	212,33
30,24	11,77	60,83	219,90
30,26	11,69	58,17	228,03
30,28	11,64	55,28	229,20
30,30	11,59	52,83	232,10
30,32	11,51	49,50	231,52
30,34	11,47	46,61	232,69
30,36	11,44	44,61	232,10
30,38	11,44	43,50	236,76
30,40	11,48	43,06	241,40
30,42	11,54	42,18	244,90
30,44	11,65	41,95	247,80
30,46	11,95	42,18	260,60
30,48	12,35	42,18	269,31
30,50	12,67	42,85	272,80

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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30,52	13,01	43,52	273,97
30,54	13,19	44,63	271,64
30,56	13,19	45,74	265,83
30,58	13,03	46,41	256,52
30,60	12,86	46,86	253,03
30,62	12,74	47,75	253,03
30,64	12,71	48,42	254,78
30,66	12,74	48,86	256,52
30,68	12,91	48,42	264,08
30,70	13,15	48,86	269,31
30,72	13,57	48,87	280,94
30,74	14,04	48,42	289,67
30,76	14,48	47,98	294,32
30,78	14,59	47,98	284,43
30,80	14,59	48,87	280,94
30,82	14,63	49,76	278,62
30,84	14,60	50,65	275,13
30,86	14,61	51,76	274,55
30,88	14,63	53,98	276,29
30,90	15,35	38,69	303,62
30,92	13,97	45,36	247,80
30,94	12,89	50,92	230,94
30,96	11,98	55,58	226,87
30,98	11,33	59,14	228,03
31,00	10,90	60,69	235,01
31,02	10,61	59,14	241,99
31,04	10,44	54,69	248,39
31,06	10,41	50,25	257,69
31,08	10,41	45,58	262,34
31,10	10,52	42,02	269,31
31,12	10,64	39,80	273,97
31,14	10,75	38,46	272,80
31,16	10,75	38,02	269,31
31,18	10,67	37,57	266,41
31,20	10,59	38,02	265,83
31,22	10,37	38,68	257,69
31,24	10,16	39,79	253,62
31,26	9,95	40,68	252,45
31,28	9,82	40,68	251,29
31,30	9,81	40,91	258,85
31,32	9,81	41,13	262,34
31,34	10,00	42,46	272,22
31,36	10,05	43,35	271,06
31,38	9,93	42,02	260,01
31,40	9,69	40,91	251,29
31,42	9,51	40,02	249,55
31,44	9,32	39,57	249,55
31,46	9,11	38,46	242,57
31,48	8,99	37,58	244,90
31,50	8,85	36,91	244,31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31,52	8,84	36,91	251,87
31,54	8,97	36,24	262,92
31,56	9,23	36,69	276,88
31,58	9,57	36,02	276,88
31,60	9,69	36,69	271,06
31,62	9,98	38,02	281,52
31,64	10,25	40,02	281,52
31,66	10,54	42,03	287,92
31,68	10,71	43,14	279,78
31,70	10,95	44,91	287,92
31,72	11,31	44,91	294,32
31,74	11,56	45,58	293,73
31,76	11,82	45,58	296,06
31,78	11,98	48,03	291,99
31,80	12,11	49,80	288,50
31,82	12,25	50,69	290,83
31,84	12,47	53,36	296,64
31,86	12,64	55,80	299,55
31,88	12,48	55,86	378,62
31,90	12,62	53,86	328,62
31,92	12,48	53,41	312,92
31,94	12,43	54,30	314,67
31,96	12,25	55,19	311,76
31,98	11,90	54,08	299,55
32,00	11,23	53,41	274,55
32,02	10,56	53,85	257,10
32,04	10,00	55,85	259,43
32,06	9,71	57,63	265,83
32,08	9,66	56,74	279,20
32,10	9,49	53,18	272,80
32,12	9,13	50,95	258,27
32,14	8,65	48,95	249,55
32,16	8,11	48,06	236,76
32,18	7,57	46,51	228,61
32,20	6,87	45,62	214,08
32,22	6,06	45,62	204,78
32,24	5,43	44,28	203,61
32,26	4,79	42,95	199,54
32,28	3,96	40,95	186,17
32,30	3,28	36,06	181,52
32,32	2,64	31,83	176,29
32,34	2,08	28,72	172,80
32,36	1,68	26,28	175,70
32,38	1,32	25,17	171,05
32,40	1,05	26,06	154,78
32,42	0,87	28,28	161,75
32,44	0,77	28,06	176,29
32,46	0,66	28,28	175,12
32,48	0,57	26,06	181,52
32,50	0,51	24,73	191,99

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32,52	0,44	22,28	194,89
32,54	0,40	18,51	189,66
32,56	0,37	14,06	189,66
32,58	0,61	11,40	357,11
32,60	1,17	9,85	525,14
32,62	1,36	8,07	392,00
32,64	1,32	6,52	296,64
32,66	1,25	10,52	280,94
32,68	1,23	14,74	289,09
32,70	1,11	16,52	315,83
32,72	1,14	17,41	386,76
32,74	1,08	19,19	396,65
32,76	1,14	24,97	392,00
32,78	1,18	30,08	354,20
32,80	1,20	35,19	332,69
32,82	1,52	47,42	410,02
32,84	1,67	54,09	383,28
32,86	1,51	59,20	258,27
32,88	1,57	63,02	337,34
32,90	1,65	63,02	383,86
32,92	2,05	61,46	453,63
32,94	2,61	56,57	387,35
32,96	3,07	53,46	282,10
32,98	3,37	45,68	235,01
33,00	3,57	37,23	168,15
33,02	3,72	34,34	146,05
33,04	3,71	33,90	180,36
33,06	3,44	26,56	171,05
33,08	3,12	23,45	159,42
33,10	2,89	25,90	186,75
33,12	2,84	31,90	196,64
33,14	3,56	51,90	266,41
33,16	6,00	67,01	405,95
33,18	8,32	53,46	407,70
33,20	9,33	42,12	367,58
33,22	9,62	39,23	327,46
33,24	9,85	40,12	317,58
33,26	9,84	39,46	313,50
33,28	10,05	38,79	336,18
33,30	10,36	37,24	348,39
33,32	10,81	35,68	365,25
33,34	11,25	34,57	368,16
33,36	11,95	35,01	391,41
33,38	12,75	36,35	406,53
33,40	13,72	39,46	421,65
33,42	14,72	40,56	426,88
33,44	15,58	40,79	425,72
33,46	16,24	42,34	425,72
33,48	16,52	45,45	404,20
33,50	16,34	43,00	373,39

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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33,52	15,81	45,00	353,04
33,54	14,95	47,22	318,16
33,56	13,89	49,44	286,76
33,58	12,84	49,88	270,48
33,60	12,03	49,22	269,90
33,62	11,57	46,99	280,36
33,64	11,35	43,43	292,57
33,66	11,25	40,54	297,22
33,68	11,23	36,32	302,46
33,70	11,22	33,87	305,36
33,72	11,07	33,43	296,64
33,74	10,86	35,20	286,76
33,76	10,49	37,64	275,13
33,78	10,20	39,42	279,20
33,80	10,06	41,19	285,60
33,82	10,04	42,30	291,41
33,84	10,04	42,30	295,48
33,86	9,98	42,08	290,83
33,88	9,80	39,87	323,97
33,90	9,64	39,87	308,85
33,92	9,54	40,54	308,27
33,94	9,38	41,65	307,69
33,96	9,36	41,87	308,27
33,98	9,47	41,21	316,99
34,00	9,48	39,43	314,67
34,02	9,32	36,76	300,13
34,04	9,23	35,20	297,22
34,06	9,04	34,98	296,06
34,08	8,87	34,98	296,06
34,10	8,80	34,76	295,48
34,12	8,71	35,20	294,32
34,14	8,80	34,98	298,39
34,16	8,75	34,98	297,80
34,18	8,73	34,53	294,90
34,20	8,68	34,53	296,06
34,22	8,63	35,64	296,64
34,24	8,39	35,86	283,27
34,26	8,23	36,75	285,60
34,28	8,12	36,97	287,92
34,30	8,04	36,08	289,09
34,32	7,97	35,19	291,99
34,34	7,98	34,30	290,83
34,36	8,03	33,19	293,15
34,38	8,04	31,86	297,22
34,40	8,08	31,41	298,97
34,42	8,10	30,97	296,64
34,44	8,18	30,30	301,88
34,46	8,27	30,08	298,97
34,48	8,37	30,75	296,06
34,50	8,80	30,75	315,25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34,52	9,24	31,86	318,74
34,54	9,90	32,75	330,95
34,56	10,44	36,08	334,43
34,58	10,84	37,41	325,71
34,60	11,30	39,41	336,76
34,62	11,94	41,63	347,23
34,64	12,90	45,41	369,32
34,66	14,08	48,97	383,86
34,68	14,89	51,63	382,11
34,70	15,42	53,86	378,04
34,72	15,38	55,86	351,30
34,74	15,08	58,52	330,37
34,76	14,76	60,52	326,30
34,78	14,74	64,08	337,92
34,80	15,11	66,97	362,92
34,82	15,64	68,30	372,23
34,84	15,80	65,18	360,60
34,86	15,43	64,99	452,47
34,88	15,57	59,21	355,95
34,90	15,73	55,88	358,86
34,92	15,60	55,21	349,55
34,94	15,63	54,76	357,69
34,96	15,44	56,10	346,06
34,98	15,27	56,10	350,13
35,00	15,25	55,20	358,86
35,02	15,30	54,31	364,09
35,04	15,31	52,31	358,86
35,06	15,12	51,42	346,65
35,08	14,90	50,31	340,25
35,10	14,66	49,19	335,60
35,12	14,39	49,64	333,85
35,14	14,45	49,19	342,00
35,16	14,18	49,63	332,69
35,18	13,80	49,63	318,16
35,20	13,57	48,29	316,99
35,22	13,34	46,74	316,41
35,24	13,19	45,62	317,58
35,26	13,03	44,29	316,41
35,28	12,31	72,29	261,76
35,30	11,35	113,62	243,15
35,32	11,17	109,40	275,71
35,34	11,32	101,17	305,95
35,36	10,83	78,73	277,46
35,38	10,07	79,17	261,18
35,40	9,06	84,72	244,31
35,42	8,28	87,16	238,50
35,44	7,59	84,04	230,36
35,46	7,17	76,26	250,71
35,48	7,14	62,93	269,90
35,50	7,11	51,59	282,69

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35,52	7,11	40,03	273,97
35,54	7,45	31,15	305,36
35,56	7,45	30,03	304,20
35,58	7,82	30,03	308,27
35,60	7,70	33,14	291,99
35,62	7,87	36,03	317,58
35,64	7,99	36,92	278,62
35,66	7,89	36,92	285,60
35,68	7,83	36,70	289,09
35,70	7,72	34,70	297,80
35,72	7,66	32,48	294,32
35,74	7,28	34,48	271,64
35,76	7,42	35,59	303,62
35,78	7,23	38,04	296,06
35,80	7,24	36,26	286,76
35,82	7,29	36,26	304,20
35,84	7,18	35,82	302,46
35,86	6,12	36,11	365,25
35,88	6,05	32,33	303,62
35,90	5,90	30,11	300,71
35,92	5,46	33,22	302,46
35,94	5,33	36,11	303,62
35,96	5,63	37,22	320,48
35,98	5,36	42,11	304,78
36,00	5,49	45,44	310,01
36,02	5,78	49,89	314,09
36,04	5,84	59,66	294,90
36,06	6,86	66,77	308,27
36,08	7,77	72,55	264,66
36,10	8,64	67,88	278,62
36,12	9,33	60,77	272,22
36,14	10,34	54,77	346,06
36,16	11,17	49,21	343,16
36,18	12,12	48,10	369,32
36,20	12,51	46,76	348,97
36,22	13,50	46,10	374,55
36,24	13,80	48,98	346,65
36,26	14,19	51,65	361,76
36,28	14,48	49,65	357,69
36,30	14,33	48,98	344,32
36,32	13,82	50,76	323,39
36,34	12,82	54,31	288,50
36,36	12,24	56,98	305,95
36,38	11,40	58,53	285,60
36,40	10,87	59,42	292,57
36,42	10,57	59,20	312,92
36,44	10,52	56,75	323,97
36,46	10,21	54,30	298,97
36,48	10,03	50,52	280,94
36,50	10,22	46,97	325,13



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Committente AUTOBRENNERO SPA  
 Località VIA ARGINE ZARA - PEGOGNAGA  
 Cantiere SOVRAPASSO 115  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36,52	10,03	44,97	320,48
36,54	9,87	44,08	318,74
36,56	9,56	44,74	323,97
36,58	9,01	45,85	282,10
36,60	9,24	42,07	294,90
36,62	9,41	40,52	336,76
36,64	9,39	39,85	332,69
36,66	9,57	37,62	318,16
36,68	9,67	39,62	334,43
36,70	10,38	39,40	358,28
36,72	11,02	39,62	329,20
36,74	12,23	38,73	368,74
36,76	13,49	37,17	376,30
36,78	13,84	39,84	352,46
36,80	14,15	43,62	347,81
36,82	14,47	48,28	358,28
36,84	14,83	52,28	373,97
36,86	15,25	53,43	412,93
36,88	15,92	54,54	393,74
36,90	16,38	54,77	389,67
36,92	16,81	53,43	388,51
36,94	17,32	51,65	397,23
36,96	17,66	51,65	403,04
36,98	17,82	52,32	384,44
37,00	17,89	55,43	387,35
37,02	17,73	58,98	374,55
37,04	17,63	60,98	373,39
37,06	17,39	62,53	368,16
37,08	16,87	63,20	345,48
37,10	16,37	65,19	327,46
37,12	16,44	63,86	354,20
37,14	16,61	63,41	366,41
37,16	17,22	62,08	381,53
37,18	18,07	58,29	388,51
37,20	19,08	55,63	415,25
37,22	19,79	53,18	414,09
37,24	20,36	53,40	412,35
37,26	20,75	54,51	389,09
37,28	21,17	59,39	403,04
37,30	21,54	62,72	397,23
37,32	21,84	66,94	401,88
37,34	22,17	71,60	401,88
37,36	22,50	75,16	393,74
37,38	22,57	74,27	383,28
37,40	22,41	76,04	368,74
37,42	21,57	78,48	333,27
37,44	20,98	80,48	336,18
37,46	20,07	82,47	319,90
37,48	19,29	81,36	301,30
37,50	18,92	80,47	319,90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37,52	18,68	77,57	324,55
37,54	18,65	73,13	329,79
37,56	19,05	70,23	353,04
37,58	19,43	66,90	360,60
37,60	19,73	63,11	355,37
37,62	20,20	61,78	354,79
37,64	20,65	62,00	365,83
37,66	21,27	64,22	372,81
37,68	21,84	67,77	377,46
37,70	22,07	70,66	362,92
37,72	22,35	74,88	371,65
37,74	22,78	78,43	383,28
37,76	23,38	81,76	389,67
37,78	23,96	83,54	394,32
37,80	24,52	85,31	405,37
37,82	24,75	86,42	379,20
37,84	24,63	88,20	361,18
37,86	29,60	54,40	478,63
37,88	28,65	64,40	399,56
37,90	28,06	79,96	410,02
37,92	27,27	91,52	401,30
37,94	26,90	95,96	417,58
37,96	26,32	103,07	401,88
37,98	25,28	106,62	371,65
38,00	23,61	107,51	313,50
38,02	22,29	106,18	295,48
38,04	21,47	103,06	298,39
38,06	21,00	98,39	320,48
38,08	20,89	96,17	353,04
38,10	20,66	91,28	359,44
38,12	20,77	90,83	391,41
38,14	21,02	82,38	387,35
38,16	20,95	73,94	369,32
38,18	20,76	63,93	346,06
38,20	20,93	58,82	371,65
38,22	21,28	57,04	398,98
38,24	21,45	50,59	390,83
38,26	21,40	51,93	373,39
38,28	21,36	59,26	369,32
38,30	21,91	71,26	437,93
38,32	22,40	70,14	443,16
38,34	22,85	71,25	428,63
38,36	22,98	74,81	411,77
38,38	22,71	69,92	366,41
38,40	22,02	69,92	322,80
38,42	21,21	74,81	282,69
38,44	20,17	80,36	244,90
38,46	19,24	85,70	229,78
38,48	18,59	89,70	235,59
38,50	18,18	95,47	248,97

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38,52	17,86	97,47	251,29
38,54	17,55	102,80	257,10
38,56	17,64	109,47	287,92
38,58	18,16	110,36	324,55
38,60	18,94	109,02	350,71
38,62	19,31	106,80	342,58
38,64	19,09	106,58	301,30
38,66	19,41	103,69	308,27
38,68	19,25	103,46	282,69
38,70	19,28	106,13	280,36
38,72	19,62	109,68	290,83
38,74	19,37	109,46	281,52
38,76	18,58	111,91	261,76
38,78	18,14	117,24	272,22
38,80	17,31	115,47	255,36
38,82	16,78	104,58	274,55
38,84	15,55	99,92	255,94
38,86	15,85	58,16	465,84
38,88	15,36	57,49	315,25
38,90	14,04	57,05	286,18
38,92	12,92	62,38	262,34
38,94	11,92	65,71	248,97
38,96	10,92	66,38	235,59
38,98	10,04	65,27	253,03
39,00	9,55	69,27	268,73
39,02	9,07	66,16	201,29
39,04	8,66	82,83	168,73
39,06	8,70	84,16	112,33
39,08	8,64	93,49	88,49
39,10	8,31	75,05	37,32
39,12	7,47	68,16	34,42
39,14	6,40	60,82	30,35
39,16	5,34	57,05	41,40
39,18	4,51	46,39	43,14
39,20	3,27	45,50	18,72
39,22	2,28	57,94	50,70
39,24	1,92	63,06	160,00
39,26	1,74	59,95	262,92
39,28	1,66	56,84	366,41
39,30	1,67	49,51	542,59
39,32	1,77	41,07	587,94
39,34	3,04	31,73	836,79
39,36	6,25	23,07	772,25
39,38	9,18	26,85	702,48
39,40	11,58	23,75	467,00
39,42	12,72	22,42	378,62
39,44	13,52	26,87	407,70
39,46	14,52	35,09	434,44
39,48	15,75	39,98	465,84
39,50	17,11	44,43	494,91

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Committente **AUTOBRENNERO SPA**  
 Località **VIA ARGINE ZARA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 115**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 358/2012  
 Emesso il 26/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39,52	18,27	50,43	505,38
39,54	19,32	56,88	517,00
39,56	20,13	61,77	532,12
39,58	20,63	66,44	528,63
39,60	20,93	70,44	522,24
39,62	21,14	75,56	519,33
39,64	21,26	82,89	515,84
39,66	21,25	89,11	512,35
39,68	21,29	93,56	485,02
39,70	21,21	95,11	467,58
39,72	21,03	95,56	451,30
39,74	20,75	94,67	435,60
39,76	20,39	93,33	417,58
39,78	20,11	94,89	404,20
39,80	20,08	97,33	414,09
39,82	20,30	98,22	428,63
39,84	20,27	98,88	407,70
39,86	24,45	67,98	453,63
39,88	23,60	78,87	400,72
39,90	22,77	89,76	389,67
39,92	22,22	101,09	398,39
39,94	21,87	112,42	415,25
39,96	21,72	120,86	428,05
39,98	21,60	118,86	441,42
40,00	21,40	112,85	440,26
40,02	21,19	108,18	434,44
40,04	21,06	107,06	439,68
40,06	21,17	104,61	453,63
40,08	21,34	101,28	457,70
40,10	20,71	102,83	396,65
40,12	21,46	104,16	344,32
40,14	22,07	104,60	372,81
40,16	22,05	102,38	375,72
40,18	21,84	102,16	370,49
40,20	21,65	103,49	372,23
40,22	21,55	105,05	380,37
40,24	21,40	106,83	388,51
40,26	21,25	108,16	397,23
40,28	21,10	105,71	403,04
40,30	21,01	103,71	410,02
40,32	21,02	102,38	420,49
40,34	20,98	100,60	423,40
40,36	20,96	98,15	426,30
40,38	20,81	95,71	412,35
40,40	20,55	95,48	400,14
40,42	20,33	96,37	390,25
40,44	20,16	98,59	382,11
40,46	20,26	101,26	398,98
40,48	20,32	101,70	403,04
40,50	20,43	101,26	409,44

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40,52	20,51	99,25	411,19
40,54	20,55	97,03	412,93
40,56	20,53	95,47	410,60
40,58	20,45	96,14	401,88
40,60	20,25	99,92	389,09
40,62	20,20	102,80	395,49
40,64	20,10	104,80	385,60
40,66	20,01	107,47	377,46
40,68	19,99	111,69	375,72
40,70	20,13	114,80	392,00
40,72	20,27	118,36	394,32
40,74	20,34	120,80	386,76
40,76	20,32	121,46	379,79
40,78	20,11	120,57	364,09
40,80	19,92	120,13	346,65
40,82	19,78	120,57	338,50
40,84	25,90	70,57	496,07
40,86	24,53	76,57	283,85
40,88	22,79	83,24	241,40
40,90	21,63	89,91	246,06
40,92	20,85	97,91	274,55
40,94	20,31	105,46	296,64
40,96	20,07	110,35	324,55
40,98	20,06	114,12	342,00
41,00	20,18	116,34	358,86
41,02	20,43	115,68	369,90
41,04	20,61	112,12	375,72
41,06	20,75	108,11	380,37
41,08	20,93	106,11	390,25
41,10	21,14	106,55	395,49
41,12	21,48	107,88	407,11
41,14	21,84	107,88	411,77
41,16	22,10	108,55	419,32
41,18	22,24	109,21	425,14
41,20	22,30	110,32	428,05
41,22	22,13	112,10	403,04
41,24	21,95	113,43	398,39
41,26	21,83	112,77	396,07
41,28	21,90	114,54	408,28
41,30	22,10	116,99	421,07
41,32	22,35	116,54	423,98
41,34	22,67	115,65	432,11
41,36	23,12	114,76	446,65
41,38	23,47	115,43	447,23
41,40	23,40	117,87	401,30
41,42	23,63	120,10	358,28
41,44	23,97	120,77	356,53
41,46	24,14	123,66	350,13
41,48	24,58	128,99	365,83
41,50	25,10	131,21	374,55

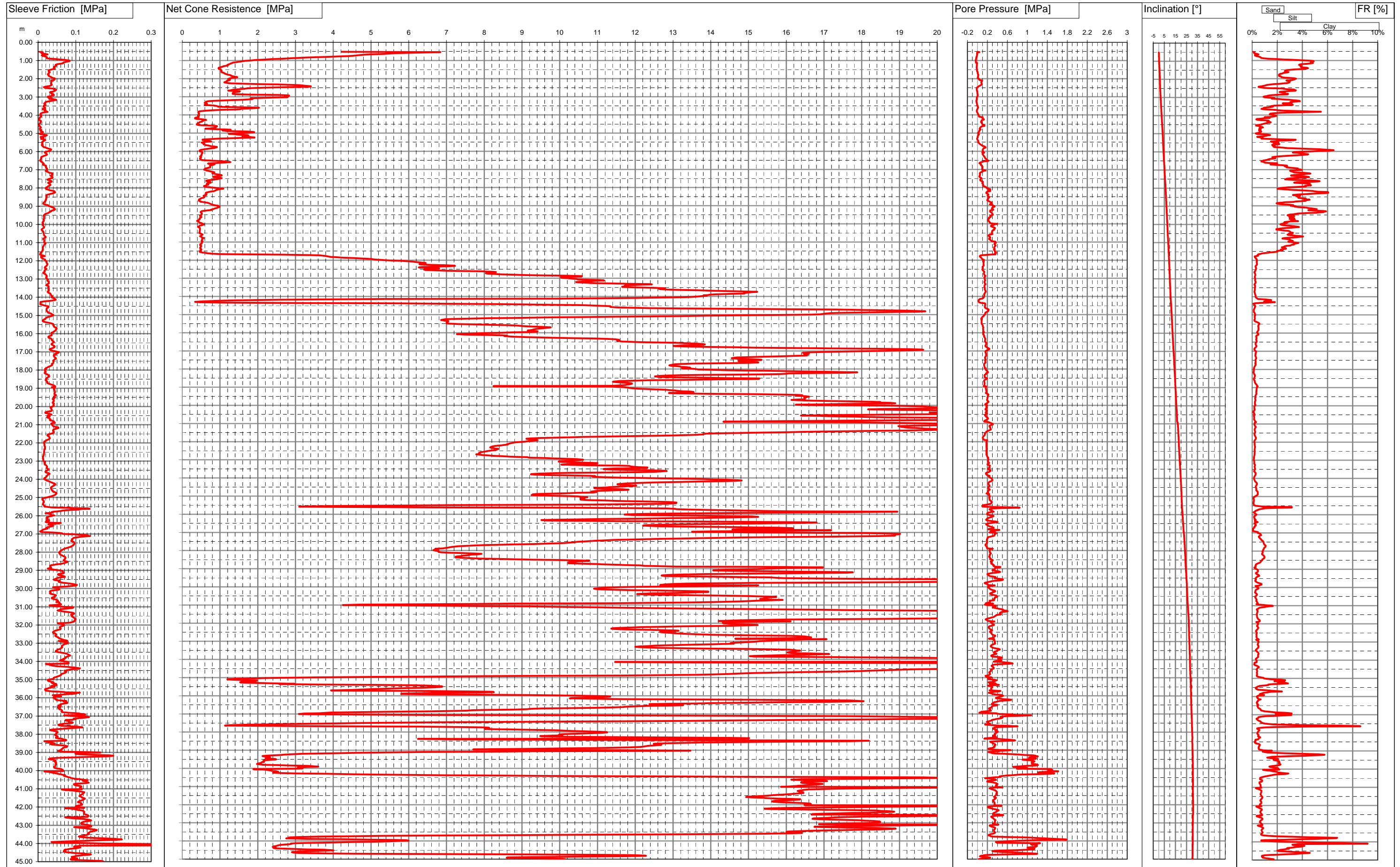
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41,52	25,50	133,22	378,04
41,54	24,80	140,11	293,73
41,56	33,39	77,19	760,62
41,58	34,91	86,52	655,97
41,60	31,35	90,96	418,16
41,62	30,09	105,63	356,53
41,64	28,51	124,30	323,97
41,66	26,96	140,96	291,41
41,68	25,67	153,62	272,80
41,70	24,70	161,84	272,80
41,72	23,76	172,95	268,73
41,74	23,04	171,83	268,73
41,76	22,51	163,83	272,80
41,78	22,08	156,27	283,27
41,80	21,77	147,16	290,83
41,82	21,59	140,27	298,39
41,84	21,49	134,71	305,95
41,86	21,35	129,82	303,04
41,88	21,26	126,93	307,69
41,90	26,03	90,08	399,56
41,92	25,19	99,64	340,83
41,94	24,58	109,42	344,90
41,96	24,23	119,64	363,50
41,98	24,07	126,31	384,44
42,00	23,75	127,41	391,41
42,02	23,44	123,63	393,74
42,04	23,12	124,97	390,83
42,06	22,78	127,63	390,83
42,08	22,50	130,29	388,51
42,10	22,33	127,40	393,74
42,12	22,08	125,62	383,28
42,14	22,08	127,62	394,90
42,16	22,20	127,62	404,79
42,18	22,28	122,06	413,51
42,20	22,22	119,17	404,79
42,22	22,04	117,84	387,35
42,24	21,80	116,50	371,07
42,26	21,50	115,84	358,28
42,28	21,09	115,39	336,76
42,30	20,78	115,62	325,13
42,32	20,59	114,50	325,13
42,34	20,35	110,73	322,22
42,36	20,27	106,06	325,71
42,38	20,13	104,51	322,22
42,40	20,31	100,95	336,18
42,42	20,65	95,62	356,53
42,44	20,89	91,40	367,58
42,46	21,07	89,40	370,49
42,48	21,09	88,07	365,25
42,50	21,06	86,29	360,60



Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Operatore dr.stanzani  
 Prova nr. 1 Cert. N. 363/2012  
 Data 27/06/12 Emesso il 28/06/2012  
 Falda ml  
 Preforo 0.50 m. p.c.

**MN-CPTU19**


  
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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova 1  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	4.23	3.72	-5.12
0.54	6.84	12.39	40.81
0.56	6.33	8.83	4.77
0.58	5.98	8.61	-4.54
0.60	5.68	9.50	-6.86
0.62	5.46	14.17	-7.44
0.64	5.34	20.84	-2.80
0.66	5.00	25.29	-4.54
0.68	4.83	20.40	-4.54
0.70	4.69	10.40	-6.86
0.72	4.63	9.74	-8.02
0.74	4.54	11.74	-11.51
0.76	4.36	15.74	-13.84
0.78	4.12	20.19	-16.75
0.80	3.80	22.64	-19.65
0.82	3.55	23.53	-19.07
0.84	3.28	23.31	-21.98
0.86	3.05	21.98	-23.72
0.88	2.87	25.54	-24.30
0.90	2.64	34.21	-25.47
0.92	2.42	45.55	-26.63
0.94	2.22	57.11	-28.38
0.96	2.08	68.22	-31.28
0.98	1.92	77.12	-33.61
1.00	1.79	83.12	-34.77
1.02	1.67	84.23	-33.61
1.04	1.59	82.01	-33.03
1.06	1.54	77.13	-32.45
1.08	1.49	72.69	-31.87
1.10	1.40	68.70	-31.28
1.12	1.34	66.48	-31.28
1.14	1.32	67.25	-3.96
1.16	1.29	62.58	-7.44
1.18	1.27	57.92	-9.77
1.20	1.25	51.25	-10.35
1.22	1.23	47.92	-11.51
1.24	1.20	46.37	-12.10
1.26	1.21	48.15	-10.93
1.28	1.20	47.71	-10.35
1.30	1.13	46.16	-12.10
1.32	1.09	44.60	-13.26
1.34	1.07	43.05	-14.42
1.36	1.03	41.50	-16.17
1.38	1.00	41.28	-17.33
1.40	0.97	43.95	-16.75
1.42	0.96	44.62	-15.00
1.44	0.96	43.96	-13.84
1.46	0.97	41.96	-12.10
1.48	1.01	38.19	-10.93
1.50	1.01	34.19	-10.35

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	1.02	29.75	-8.61
1.54	1.04	28.42	-7.44
1.56	1.04	27.98	-8.02
1.58	1.04	27.77	-7.44
1.60	1.04	28.22	-5.70
1.62	1.04	29.33	0.70
1.64	1.04	30.89	4.19
1.66	1.06	30.01	5.35
1.68	1.11	28.24	4.77
1.70	1.11	28.02	4.77
1.72	1.12	26.91	5.93
1.74	1.16	26.25	10.00
1.76	1.17	26.04	12.90
1.78	1.21	26.26	18.14
1.80	1.25	28.04	18.14
1.82	1.29	28.27	16.40
1.84	1.29	28.05	15.23
1.86	1.32	29.39	13.49
1.88	1.37	31.84	11.74
1.90	1.43	34.07	12.32
1.92	1.46	34.96	11.16
1.94	1.39	36.96	6.51
1.96	1.31	40.52	4.19
1.98	1.27	44.08	14.07
2.00	1.23	44.53	27.44
2.02	1.25	44.31	26.86
2.04	1.25	43.87	33.26
2.06	1.27	42.76	39.07
2.08	1.26	40.55	43.14
2.10	1.22	34.16	98.38
2.12	1.18	35.49	90.82
2.14	1.18	36.61	86.17
2.16	1.17	34.61	83.84
2.18	1.15	34.83	81.51
2.20	1.11	34.17	77.44
2.22	1.15	34.61	76.28
2.24	1.20	34.61	78.60
2.26	1.31	33.72	80.35
2.28	1.55	34.84	85.00
2.30	2.03	34.84	91.98
2.32	2.50	36.62	87.91
2.34	2.88	35.73	75.70
2.36	3.12	34.62	63.49
2.38	3.22	33.07	53.02
2.40	3.31	29.29	41.40
2.42	3.41	24.85	29.19
2.44	3.41	17.74	17.56
2.46	3.02	15.08	6.51
2.48	2.47	17.30	-3.38
2.50	2.10	18.19	-9.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	1.88	24.64	-13.26
2.54	1.69	41.09	-14.42
2.56	1.64	43.98	-12.68
2.58	1.51	42.20	-13.26
2.60	1.38	47.76	-13.84
2.62	1.33	45.76	-12.68
2.64	1.29	46.43	-11.51
2.66	1.21	43.10	-10.93
2.68	1.37	42.44	-6.86
2.70	1.53	40.44	-1.05
2.72	1.50	33.77	-0.47
2.74	1.41	31.33	-2.21
2.76	1.37	33.55	-2.80
2.78	1.35	36.00	-2.21
2.80	1.34	34.67	-0.47
2.82	1.35	34.89	0.11
2.84	1.34	39.34	0.11
2.86	1.42	41.12	1.28
2.88	1.82	41.12	4.19
2.90	2.53	42.23	7.67
2.92	2.82	39.34	5.93
2.94	2.83	34.90	3.02
2.96	2.79	32.23	0.11
2.98	2.71	26.46	-2.21
3.00	2.74	24.91	-4.54
3.02	2.79	27.57	-6.28
3.04	2.49	32.69	-9.19
3.06	2.08	36.25	-12.10
3.08	1.81	32.69	-15.00
3.10	1.87	29.63	-9.77
3.12	1.86	40.74	-10.93
3.14	1.81	45.41	-12.68
3.16	1.60	48.52	-15.00
3.18	1.33	44.97	-17.33
3.20	1.09	39.86	-19.65
3.22	0.85	33.19	-21.40
3.24	0.71	28.08	-21.98
3.26	0.65	23.41	-20.82
3.28	0.63	20.08	-19.07
3.30	0.61	19.19	-17.33
3.32	0.60	19.63	-16.17
3.34	0.59	19.19	-13.84
3.36	0.65	16.08	-11.51
3.38	0.66	17.41	-10.35
3.40	0.65	18.75	-8.61
3.42	0.60	17.86	-8.02
3.44	0.59	19.86	-7.44
3.46	0.65	18.97	-4.54
3.48	0.82	14.75	0.11
3.50	0.90	14.98	3.02

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	0.93	13.86	3.60
3.54	0.94	15.87	3.60
3.56	1.09	16.31	5.93
3.58	1.54	18.31	12.32
3.60	2.03	19.20	14.65
3.62	1.98	18.54	8.83
3.64	1.75	15.21	3.60
3.66	1.57	11.43	0.70
3.68	1.55	13.43	-1.05
3.70	1.37	18.77	-3.96
3.72	1.04	20.10	-7.44
3.74	0.80	16.77	-10.93
3.76	0.67	17.88	-12.68
3.78	0.53	19.22	-13.84
3.80	0.46	22.33	-13.26
3.82	0.43	25.00	-11.51
3.84	0.42	18.77	-7.44
3.86	0.42	12.78	-3.96
3.88	0.43	9.89	0.11
3.90	0.43	7.45	4.19
3.92	0.45	6.56	7.67
3.94	0.43	6.34	11.16
3.96	0.43	6.11	14.65
3.98	0.45	6.78	18.72
4.00	0.45	7.89	22.21
4.02	0.45	7.67	24.53
4.04	0.44	8.56	25.70
4.06	0.44	8.12	29.19
4.08	0.43	7.68	31.51
4.10	0.42	6.35	35.00
4.12	0.44	4.36	105.35
4.14	0.37	4.81	93.14
4.16	0.34	4.81	97.80
4.18	0.34	3.03	104.19
4.20	0.34	2.36	110.00
4.22	0.39	1.48	118.14
4.24	0.52	1.70	132.10
4.26	0.62	2.59	125.12
4.28	0.63	4.37	97.21
4.30	0.57	6.81	82.68
4.32	0.56	7.48	82.10
4.34	0.53	6.37	82.68
4.36	0.53	6.81	81.51
4.38	0.49	6.59	71.05
4.40	0.45	6.82	73.96
4.42	0.45	5.70	80.93
4.44	0.43	5.04	83.84
4.46	0.41	4.37	88.49
4.48	0.40	3.71	93.14
4.50	0.39	3.26	97.21

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	0.39	2.82	103.61
4.54	0.39	2.37	114.08
4.56	0.45	1.49	124.54
4.58	0.65	1.93	140.24
4.60	0.88	4.38	141.40
4.62	0.92	5.49	96.63
4.64	0.88	5.71	75.70
4.66	0.89	7.05	69.30
4.68	0.89	7.71	62.33
4.70	0.87	6.38	55.93
4.72	0.81	4.83	53.02
4.74	0.73	4.83	48.95
4.76	0.61	4.16	44.30
4.78	0.79	4.38	53.60
4.80	1.16	7.05	64.65
4.82	1.28	8.61	54.77
4.84	1.19	7.94	40.23
4.86	1.07	5.72	36.16
4.88	1.19	7.94	35.58
4.90	1.47	10.61	37.90
4.92	1.77	12.83	35.58
4.94	1.90	12.83	28.02
4.96	1.90	11.27	21.05
4.98	1.73	9.27	17.56
5.00	1.60	5.05	16.98
5.02	1.43	4.16	16.40
5.04	1.23	5.27	15.81
5.06	1.37	12.39	30.35
5.08	1.46	18.61	27.44
5.10	1.61	23.50	22.21
5.12	1.73	21.73	17.56
5.14	1.75	19.28	12.90
5.16	1.70	17.28	8.83
5.18	1.59	11.28	5.35
5.20	1.59	6.39	4.77
5.22	1.83	9.50	5.35
5.24	1.92	14.17	3.60
5.26	1.70	14.84	0.11
5.28	1.33	11.50	-3.38
5.30	1.00	7.50	-4.54
5.32	0.82	11.95	-4.54
5.34	0.65	16.17	-3.96
5.36	0.54	19.28	-1.63
5.38	0.54	18.61	4.77
5.40	0.61	16.39	11.16
5.42	0.68	13.95	13.49
5.44	0.73	13.95	18.72
5.46	0.76	11.50	19.88
5.48	0.63	10.17	15.23
5.50	0.57	11.95	16.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	0.51	11.05	19.88
5.54	0.56	10.17	27.44
5.56	0.58	10.17	35.00
5.58	0.58	11.06	40.23
5.60	0.56	12.39	47.21
5.62	0.57	11.28	58.26
5.64	0.59	9.50	69.89
5.66	0.62	10.17	80.35
5.68	0.68	11.28	93.14
5.70	0.73	12.39	106.51
5.72	0.75	13.95	125.12
5.74	0.83	14.39	143.73
5.76	0.92	16.39	155.36
5.78	0.92	20.17	164.08
5.80	0.87	22.17	159.42
5.82	0.85	24.84	140.24
5.84	0.80	28.84	125.70
5.86	0.69	32.61	118.72
5.88	0.62	34.61	112.33
5.90	0.56	34.61	108.84
5.92	0.50	33.50	105.35
5.94	0.47	32.61	104.19
5.96	0.46	29.72	106.51
5.98	0.46	26.17	111.17
6.00	0.46	22.61	113.49
6.02	0.49	20.39	116.98
6.04	0.52	18.39	108.84
6.06	0.52	17.50	95.47
6.08	0.54	19.94	136.17
6.10	0.54	21.28	118.72
6.12	0.52	22.17	107.68
6.14	0.51	22.84	101.86
6.16	0.51	23.94	103.61
6.18	0.51	23.28	109.42
6.20	0.51	20.83	114.08
6.22	0.50	17.94	118.72
6.24	0.50	14.83	124.54
6.26	0.50	12.61	128.03
6.28	0.47	10.17	130.93
6.30	0.49	8.83	139.08
6.32	0.50	8.17	147.21
6.34	0.50	8.61	148.38
6.36	0.49	8.83	150.70
6.38	0.47	8.83	155.94
6.40	0.47	7.94	164.66
6.42	0.47	6.84	171.05
6.44	0.49	6.39	180.94
6.46	0.49	6.17	187.33
6.48	0.50	5.50	191.99
6.50	0.61	5.72	203.03

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Prova 1  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

Falda ml

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	0.82	7.06	225.13
6.54	1.05	7.73	196.06
6.56	1.10	8.17	120.47
6.58	1.19	11.06	105.93
6.60	1.28	12.39	80.35
6.62	1.14	11.73	57.10
6.64	0.95	13.95	44.30
6.66	0.75	15.28	39.65
6.68	0.68	13.51	48.95
6.70	0.75	12.84	66.98
6.72	0.85	12.62	72.79
6.74	0.83	16.17	71.05
6.76	0.78	19.28	71.05
6.78	0.76	21.51	76.86
6.80	0.73	21.06	86.75
6.82	0.74	19.73	94.30
6.84	0.74	21.06	97.21
6.86	0.74	21.51	102.45
6.88	0.74	20.84	101.28
6.90	0.70	21.73	95.47
6.92	0.68	23.50	95.47
6.94	0.64	23.95	99.54
6.96	0.61	22.61	98.96
6.98	0.59	22.61	94.30
7.00	0.58	23.50	94.89
7.02	0.58	23.95	97.21
7.04	0.62	23.95	105.93
7.06	0.64	19.73	163.50
7.08	0.69	21.50	131.52
7.10	0.73	23.95	107.68
7.12	0.78	25.95	94.30
7.14	0.82	27.73	84.42
7.16	0.85	29.50	66.40
7.18	0.82	34.84	54.19
7.20	0.82	38.61	49.53
7.22	0.80	38.84	47.21
7.24	0.85	37.72	47.79
7.26	0.88	38.17	50.70
7.28	0.95	37.50	54.77
7.30	1.00	35.05	52.44
7.32	1.05	33.50	51.28
7.34	1.05	33.50	46.05
7.36	0.98	36.16	39.65
7.38	0.88	37.72	37.32
7.40	0.82	38.16	36.16
7.42	0.82	38.83	43.14
7.44	0.86	37.72	55.35
7.46	0.99	36.38	69.89
7.48	1.04	32.83	80.35
7.50	1.00	28.83	82.68

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	0.97	27.05	78.02
7.54	0.92	24.83	65.81
7.56	0.86	27.05	55.35
7.58	0.75	31.05	54.19
7.60	0.68	33.27	55.35
7.62	0.64	35.27	66.40
7.64	0.64	36.38	80.93
7.66	0.65	35.94	96.05
7.68	0.70	32.38	108.84
7.70	0.75	27.49	112.91
7.72	0.76	26.16	105.35
7.74	0.74	27.71	100.12
7.76	0.68	29.04	96.05
7.78	0.65	31.27	102.45
7.80	0.67	32.38	110.00
7.82	0.69	32.60	114.66
7.84	0.69	32.60	113.49
7.86	0.65	31.93	111.75
7.88	0.63	29.04	110.59
7.90	0.61	26.60	111.17
7.92	0.57	25.71	120.47
7.94	0.58	24.60	144.89
7.96	0.64	22.82	157.10
7.98	0.73	21.27	169.31
8.00	0.79	20.82	187.33
8.02	0.88	19.93	190.24
8.04	0.94	20.82	187.91
8.06	1.09	22.39	222.80
8.08	1.01	25.28	234.43
8.10	0.97	28.84	261.18
8.12	0.93	30.17	223.38
8.14	0.89	35.05	219.90
8.16	0.88	40.17	240.24
8.18	0.86	43.50	258.85
8.20	0.83	43.72	252.45
8.22	0.77	42.61	209.43
8.24	0.71	45.50	194.31
8.26	0.68	43.50	180.36
8.28	0.63	40.83	177.45
8.30	0.62	37.72	176.29
8.32	0.62	33.50	185.59
8.34	0.64	29.94	197.22
8.36	0.64	27.27	212.92
8.38	0.64	23.72	220.48
8.40	0.64	21.49	217.57
8.42	0.62	21.27	206.52
8.44	0.56	22.38	203.03
8.46	0.56	22.38	208.27
8.48	0.59	21.71	210.59
8.50	0.59	22.60	228.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	0.59	22.38	236.76
8.54	0.57	22.16	236.18
8.56	0.56	21.49	221.64
8.58	0.52	21.71	217.57
8.60	0.49	21.71	217.57
8.62	0.49	20.82	214.66
8.64	0.47	20.38	205.36
8.66	0.44	21.27	205.36
8.68	0.44	20.38	201.87
8.70	0.44	19.27	194.89
8.72	0.43	19.27	208.85
8.74	0.45	18.38	221.06
8.76	0.49	17.49	232.10
8.78	0.49	16.60	249.55
8.80	0.55	14.83	260.01
8.82	0.61	14.83	279.78
8.84	0.67	13.94	289.09
8.86	0.71	13.94	282.10
8.88	0.73	15.49	294.32
8.90	0.75	16.38	271.64
8.92	0.77	20.16	247.22
8.94	0.80	25.05	262.34
8.96	0.81	27.71	303.62
8.98	0.88	27.71	311.76
9.00	0.95	29.94	307.69
9.02	0.95	33.94	340.83
9.04	0.99	34.38	326.88
9.06	0.99	37.72	340.25
9.08	0.97	39.72	304.20
9.10	0.94	42.16	306.53
9.12	0.92	43.50	296.64
9.14	0.88	43.50	287.34
9.16	0.85	44.61	290.25
9.18	0.83	44.83	300.13
9.20	0.80	43.27	311.18
9.22	0.76	39.72	319.32
9.24	0.77	36.16	296.06
9.26	0.65	33.94	253.62
9.28	0.58	34.60	254.20
9.30	0.52	32.60	254.78
9.32	0.50	30.16	250.13
9.34	0.49	29.49	260.01
9.36	0.49	27.71	271.06
9.38	0.50	26.38	284.43
9.40	0.51	22.16	291.41
9.42	0.52	19.71	294.32
9.44	0.52	18.60	296.06
9.46	0.51	17.49	301.88
9.48	0.52	16.15	309.43
9.50	0.51	15.04	309.43

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	0.50	14.38	289.67
9.54	0.49	15.04	262.92
9.56	0.46	16.15	254.78
9.58	0.49	16.15	259.43
9.60	0.50	15.93	269.31
9.62	0.51	15.49	262.92
9.64	0.50	16.16	244.31
9.66	0.49	16.38	230.94
9.68	0.47	16.16	231.52
9.70	0.45	14.82	235.59
9.72	0.45	13.93	226.29
9.74	0.47	14.82	212.33
9.76	0.45	15.93	208.85
9.78	0.43	15.27	215.82
9.80	0.43	13.94	211.75
9.82	0.40	14.38	208.85
9.84	0.39	14.83	223.96
9.86	0.41	13.05	234.43
9.88	0.43	11.94	239.08
9.90	0.45	11.71	243.15
9.92	0.45	12.83	240.82
9.94	0.47	13.05	251.87
9.96	0.51	13.05	265.83
9.98	0.52	13.94	282.69
10.00	0.56	13.06	398.39
10.02	0.57	13.05	357.69
10.04	0.57	13.50	336.18
10.06	0.54	13.72	326.30
10.08	0.50	13.95	291.41
10.10	0.47	14.84	275.71
10.12	0.45	15.50	268.15
10.14	0.44	16.17	274.55
10.16	0.42	16.17	293.73
10.18	0.42	15.06	313.50
10.20	0.45	14.17	336.76
10.22	0.46	12.61	350.71
10.24	0.47	11.28	353.04
10.26	0.47	10.17	346.65
10.28	0.47	9.28	337.92
10.30	0.47	9.28	329.79
10.32	0.47	10.17	337.34
10.34	0.47	11.06	322.80
10.36	0.46	12.39	307.11
10.38	0.46	13.72	296.06
10.40	0.46	14.17	296.06
10.42	0.46	14.39	300.13
10.44	0.46	14.39	298.39
10.46	0.46	14.39	289.09
10.48	0.45	15.06	286.18
10.50	0.45	15.06	290.25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	0.46	15.06	294.32
10.54	0.49	15.06	298.39
10.56	0.50	15.50	302.46
10.58	0.54	15.50	273.97
10.60	0.54	15.95	246.06
10.62	0.51	16.84	230.94
10.64	0.50	17.95	221.06
10.66	0.49	19.28	222.22
10.68	0.47	19.95	234.43
10.70	0.50	20.17	246.06
10.72	0.50	19.06	246.64
10.74	0.51	17.50	256.52
10.76	0.54	15.28	256.52
10.78	0.57	14.17	258.27
10.80	0.56	13.72	237.34
10.82	0.54	14.83	232.10
10.84	0.53	15.95	234.43
10.86	0.53	16.39	246.06
10.88	0.52	16.39	257.69
10.90	0.53	16.84	265.83
10.92	0.51	17.28	272.22
10.94	0.51	16.84	283.27
10.96	0.54	15.95	286.76
10.98	0.54	15.95	358.86
11.00	0.53	17.28	351.88
11.02	0.52	18.84	360.60
11.04	0.52	19.73	371.65
11.06	0.52	18.84	354.20
11.08	0.52	17.95	351.88
11.10	0.51	17.28	339.67
11.12	0.47	16.39	337.34
11.14	0.47	15.51	346.06
11.16	0.47	15.06	354.20
11.18	0.47	14.84	364.67
11.20	0.49	14.17	364.67
11.22	0.51	13.51	355.37
11.24	0.49	13.06	346.65
11.26	0.49	12.62	345.48
11.28	0.49	11.95	339.67
11.30	0.47	12.39	336.76
11.32	0.47	12.39	333.27
11.34	0.47	13.06	332.69
11.36	0.47	13.06	339.09
11.38	0.49	12.62	346.06
11.40	0.51	11.73	337.34
11.42	0.51	12.39	328.04
11.44	0.49	12.39	333.85
11.46	0.47	11.28	346.65
11.48	0.49	9.95	346.06
11.50	0.49	9.95	347.23

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	0.46	9.51	348.97
11.54	0.46	8.17	358.28
11.56	0.49	7.06	357.11
11.58	0.53	7.06	378.04
11.60	0.61	5.73	378.04
11.62	0.68	5.28	353.04
11.64	0.76	5.06	345.48
11.66	0.98	4.84	351.88
11.68	1.60	7.51	363.50
11.70	2.68	11.51	238.50
11.72	3.40	15.51	114.66
11.74	3.66	17.73	67.56
11.76	3.77	12.84	51.28
11.78	3.82	7.51	47.79
11.80	3.87	7.73	49.53
11.82	3.93	8.84	55.93
11.84	4.07	9.51	63.49
11.86	4.26	11.29	72.21
11.88	4.50	13.07	79.77
11.90	4.72	15.06	87.33
11.92	4.90	16.62	92.56
11.94	5.01	17.73	97.21
11.96	5.09	18.62	101.28
11.98	5.21	18.61	130.35
12.00	5.38	20.39	128.61
12.02	5.56	21.50	128.03
12.04	5.79	22.17	128.03
12.06	5.98	21.72	127.45
12.08	6.11	21.72	126.29
12.10	6.18	22.17	124.54
12.12	6.27	23.28	123.96
12.14	6.38	24.16	123.96
12.16	6.45	24.16	123.38
12.18	6.40	24.61	121.63
12.20	6.33	24.61	121.05
12.22	6.28	23.94	120.47
12.24	6.35	23.49	122.21
12.26	6.59	23.27	125.70
12.28	6.92	22.16	128.03
12.30	7.22	21.04	126.29
12.32	7.23	19.27	119.89
12.34	6.99	18.82	111.75
12.36	6.63	17.93	104.19
12.38	6.33	17.71	101.28
12.40	6.27	18.82	102.45
12.42	6.45	20.37	108.26
12.44	6.74	22.15	110.00
12.46	6.81	21.26	105.93
12.48	6.68	19.70	101.86
12.50	6.49	18.81	99.54



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 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	6.40	17.70	100.12
12.54	6.44	16.59	103.03
12.56	6.64	16.81	108.84
12.58	6.99	17.69	115.82
12.60	7.47	17.69	125.12
12.62	7.93	16.14	132.68
12.64	8.26	14.13	137.33
12.66	8.31	13.47	136.17
12.68	8.23	14.80	133.26
12.70	8.11	16.36	130.93
12.72	8.04	17.91	129.77
12.74	8.07	19.24	129.77
12.76	8.22	20.79	131.52
12.78	8.43	21.46	133.84
12.80	8.73	22.35	137.33
12.82	9.08	22.79	141.98
12.84	9.56	22.79	148.96
12.86	10.22	23.68	158.26
12.88	10.59	22.35	160.59
12.90	10.58	21.23	154.19
12.92	10.26	21.23	143.73
12.94	10.04	21.45	138.50
12.96	10.03	22.78	137.91
12.98	10.08	22.79	145.47
13.00	10.23	24.56	145.47
13.02	10.33	26.12	145.47
13.04	10.45	26.34	146.05
13.06	10.47	25.01	145.47
13.08	10.72	24.12	150.70
13.10	11.08	24.78	155.36
13.12	11.17	26.34	154.19
13.14	10.96	27.45	148.38
13.16	10.84	28.11	146.63
13.18	10.63	28.11	141.40
13.20	10.43	28.78	137.33
13.22	10.44	28.78	139.08
13.24	10.63	28.11	141.98
13.26	10.86	26.55	145.47
13.28	11.21	24.77	149.54
13.30	11.82	23.66	158.84
13.32	12.40	22.33	164.66
13.34	12.44	21.21	160.00
13.36	12.06	24.77	148.96
13.38	11.89	27.21	146.05
13.40	11.72	28.32	142.56
13.42	11.73	28.32	143.15
13.44	11.79	27.21	143.15
13.46	11.65	27.43	139.08
13.48	11.65	26.98	139.08
13.50	11.97	26.98	144.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	12.43	26.98	150.12
13.54	12.73	27.64	151.29
13.56	12.79	28.31	149.54
13.58	12.63	27.42	144.89
13.60	12.66	27.42	144.89
13.62	12.84	27.42	146.63
13.64	13.24	27.64	153.03
13.66	13.67	28.08	157.10
13.68	14.04	26.97	160.59
13.70	14.33	25.19	162.33
13.72	14.74	25.85	165.82
13.74	15.23	26.96	167.57
13.76	15.12	27.63	160.00
13.78	14.98	31.18	155.36
13.80	14.94	32.74	153.03
13.82	14.88	32.51	150.12
13.84	14.89	33.18	147.80
13.86	14.51	33.40	139.08
13.88	14.12	35.17	133.26
13.90	13.99	34.73	132.68
13.92	13.92	36.06	137.33
13.94	13.81	37.39	137.33
13.96	13.90	38.28	136.75
13.98	13.76	36.28	135.00
14.00	13.67	35.62	132.10
14.02	13.53	37.40	130.93
14.04	13.29	39.62	129.77
14.06	12.78	42.28	123.38
14.08	12.04	44.28	115.82
14.10	11.19	45.39	107.10
14.12	9.93	45.39	94.89
14.14	5.34	47.17	49.53
14.16	3.72	43.61	37.90
14.18	2.56	39.61	29.19
14.20	1.97	29.39	27.44
14.22	1.25	19.17	22.79
14.24	0.93	11.16	22.79
14.26	0.63	6.05	22.79
14.28	0.46	6.27	23.95
14.30	0.34	6.27	26.28
14.32	0.46	6.17	34.42
14.34	0.98	6.06	48.37
14.36	3.09	6.16	89.07
14.38	5.70	5.39	150.70
14.40	7.17	8.05	158.84
14.42	8.20	11.17	155.94
14.44	9.05	14.72	154.19
14.46	9.87	18.50	155.94
14.48	10.59	22.73	157.68
14.50	10.95	28.06	154.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	11.14	27.62	152.45
14.54	11.34	25.85	151.87
14.56	11.35	26.96	147.80
14.58	11.34	25.18	147.80
14.60	11.50	23.18	149.54
14.62	11.82	22.52	154.78
14.64	12.38	22.30	162.91
14.66	13.22	22.52	174.54
14.68	14.40	22.30	192.57
14.70	15.94	22.30	213.50
14.72	17.33	22.08	226.87
14.74	17.98	22.52	221.64
14.76	18.50	23.63	219.90
14.78	19.08	24.08	219.90
14.80	19.50	25.86	217.57
14.82	19.69	26.52	210.59
14.84	19.48	26.07	196.06
14.86	18.78	28.29	180.36
14.88	18.04	32.52	165.24
14.90	17.47	34.74	158.84
14.92	17.17	35.18	157.68
14.94	17.05	37.18	158.84
14.96	16.98	40.06	154.19
14.98	16.90	40.06	147.80
15.00	16.68	39.61	148.38
15.02	15.93	36.28	141.40
15.04	14.70	34.50	128.03
15.06	13.88	30.73	126.87
15.08	13.20	27.39	121.05
15.10	12.41	24.05	114.66
15.12	11.35	22.28	104.77
15.14	10.38	20.94	96.63
15.16	9.57	19.60	91.40
15.18	8.80	19.16	85.00
15.20	8.12	17.82	80.35
15.22	7.53	15.82	76.86
15.24	7.14	14.93	75.70
15.26	6.96	12.71	76.86
15.28	6.89	11.82	79.77
15.30	6.86	11.82	82.10
15.32	6.92	12.26	83.84
15.34	6.97	14.26	85.59
15.36	7.05	18.48	85.59
15.38	7.02	22.48	82.10
15.40	7.04	27.37	81.51
15.42	7.01	32.26	81.51
15.44	7.01	35.82	82.10
15.46	7.00	38.70	82.68
15.48	7.00	40.70	82.68
15.50	7.07	41.15	84.42

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Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **27/06/12**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **363/2012**  
 Emesso il **28/06/2012**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	7.31	40.48	87.91
15.54	7.77	39.82	94.30
15.56	8.18	40.93	99.54
15.58	8.57	42.26	103.61
15.60	8.80	42.93	105.35
15.62	8.97	43.15	106.51
15.64	9.06	43.60	107.10
15.66	9.30	45.82	110.59
15.68	9.57	48.27	114.66
15.70	9.76	49.15	117.56
15.72	9.71	49.15	116.98
15.74	9.62	49.38	114.66
15.76	9.51	48.04	114.08
15.78	9.42	46.93	114.08
15.80	9.34	46.71	113.49
15.82	9.30	46.49	114.66
15.84	9.29	45.38	115.24
15.86	9.21	44.04	114.66
15.88	9.15	42.49	114.66
15.90	9.26	40.93	116.98
15.92	9.41	39.60	119.89
15.94	9.39	36.71	118.72
15.96	9.12	35.18	132.68
15.98	8.77	35.18	125.12
16.00	8.40	36.29	121.05
16.02	8.03	35.85	117.56
16.04	7.68	35.85	114.66
16.06	7.38	36.29	112.33
16.08	7.27	36.29	112.91
16.10	7.45	35.18	117.56
16.12	7.98	32.29	127.45
16.14	8.49	29.40	134.42
16.16	8.61	27.40	134.42
16.18	8.53	27.18	131.52
16.20	8.63	27.40	133.26
16.22	8.79	28.07	135.00
16.24	9.11	30.07	139.08
16.26	9.51	33.62	144.89
16.28	9.97	34.96	148.96
16.30	10.42	35.62	152.45
16.32	10.94	36.74	157.68
16.34	11.28	36.29	158.26
16.36	11.47	36.29	157.10
16.38	11.55	37.62	155.36
16.40	11.57	39.18	153.61
16.42	11.55	39.84	152.45
16.44	11.52	41.62	151.87
16.46	11.57	42.06	153.03
16.48	11.64	40.95	153.61
16.50	11.86	39.62	158.26

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	12.24	38.51	164.66
16.54	12.77	37.17	172.80
16.56	13.14	35.84	175.12
16.58	13.39	35.62	175.12
16.60	13.63	36.73	175.70
16.62	13.79	38.06	175.12
16.64	13.84	39.61	173.38
16.66	13.80	41.84	171.05
16.68	13.62	43.39	166.99
16.70	13.29	44.28	160.59
16.72	13.01	44.05	157.68
16.74	13.05	43.39	160.00
16.76	13.38	41.83	168.15
16.78	13.97	39.83	178.03
16.80	14.57	37.61	186.75
16.82	15.17	34.72	194.31
16.84	16.08	31.38	210.01
16.86	17.20	30.71	226.29
16.88	18.37	31.38	238.50
16.90	19.23	32.27	237.92
16.92	19.57	35.15	227.45
16.94	19.63	39.60	215.24
16.96	19.39	44.04	201.29
16.98	18.94	48.94	179.78
17.00	18.48	52.94	166.99
17.02	17.94	55.38	162.33
17.04	17.46	54.49	162.91
17.06	16.91	52.27	160.59
17.08	16.63	49.60	161.75
17.10	16.43	45.82	165.24
17.12	16.49	43.38	169.89
17.14	16.60	44.93	173.96
17.16	16.60	46.71	175.12
17.18	16.53	43.60	173.96
17.20	16.47	41.59	173.96
17.22	16.54	41.59	176.87
17.24	16.56	42.03	177.45
17.26	16.48	43.14	175.12
17.28	16.19	43.59	169.89
17.30	15.77	44.25	164.08
17.32	15.44	46.03	160.00
17.34	15.00	46.91	154.19
17.36	14.69	47.35	150.70
17.38	14.60	46.69	150.70
17.40	14.55	45.35	152.45
17.42	14.62	43.57	155.36
17.44	14.78	42.46	158.26
17.46	15.08	40.90	163.50
17.48	15.34	39.79	167.57
17.50	15.34	39.79	165.82

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	15.07	40.45	158.84
17.54	14.79	40.90	154.19
17.56	14.73	40.67	154.19
17.58	14.85	40.67	157.10
17.60	15.02	40.67	160.59
17.62	15.20	39.78	163.50
17.64	15.26	38.00	164.66
17.66	14.97	36.22	157.68
17.68	14.28	37.11	145.47
17.70	13.52	38.00	136.17
17.72	13.16	37.33	133.26
17.74	13.04	35.78	133.84
17.76	12.99	34.44	135.00
17.78	12.93	32.22	133.84
17.80	12.90	30.00	133.84
17.82	12.96	27.99	136.17
17.84	13.08	25.99	138.50
17.86	13.18	24.44	140.24
17.88	13.21	22.66	141.40
17.90	13.38	20.66	144.31
17.92	13.45	18.88	145.47
17.94	13.45	18.66	145.47
17.96	13.24	21.14	169.31
17.98	13.49	18.47	164.66
18.00	13.59	17.81	163.50
18.02	13.67	18.26	165.24
18.04	13.97	18.26	169.89
18.06	14.40	18.48	174.54
18.08	14.91	19.59	180.36
18.10	15.57	20.70	189.66
18.12	16.23	18.92	197.22
18.14	16.74	17.81	203.03
18.16	17.43	17.14	211.17
18.18	17.89	18.92	213.50
18.20	17.63	19.81	203.03
18.22	16.82	22.03	180.36
18.24	16.07	24.92	172.80
18.26	15.98	26.03	176.87
18.28	15.81	27.36	175.12
18.30	14.94	28.25	158.84
18.32	13.86	29.36	145.47
18.34	13.19	29.81	141.98
18.36	12.83	27.58	140.82
18.38	12.63	27.14	141.98
18.40	12.52	25.58	143.15
18.42	12.57	24.47	145.47
18.44	12.76	22.46	150.12
18.46	13.15	22.02	157.68
18.48	13.81	20.91	169.89
18.50	14.57	21.13	183.85

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	15.29	22.02	193.73
18.54	15.28	19.57	187.91
18.56	14.69	20.01	172.80
18.58	13.90	21.12	158.26
18.60	13.03	22.68	144.89
18.62	12.33	23.34	137.91
18.64	11.86	23.79	134.42
18.66	11.59	25.12	133.26
18.68	11.45	24.01	135.00
18.70	11.41	23.79	135.59
18.72	11.47	25.12	138.50
18.74	11.61	28.01	140.82
18.76	11.79	29.79	143.73
18.78	11.90	33.12	144.89
18.80	11.92	36.23	143.73
18.82	11.91	39.12	142.56
18.84	11.85	41.56	140.82
18.86	11.79	43.12	139.66
18.88	11.73	44.67	139.08
18.90	11.59	46.01	136.75
18.92	11.36	45.34	132.68
18.94	8.24	36.25	125.70
18.96	11.34	44.25	174.54
18.98	11.48	44.47	170.47
19.00	11.70	43.36	170.47
19.02	11.82	43.14	169.31
19.04	11.84	43.14	165.82
19.06	11.92	43.14	166.40
19.08	12.06	42.92	167.57
19.10	12.29	43.36	169.89
19.12	12.57	44.25	173.38
19.14	12.80	44.03	174.54
19.16	12.94	44.03	176.29
19.18	13.05	44.47	176.29
19.20	13.11	44.92	175.70
19.22	13.23	44.92	178.03
19.24	13.46	44.25	181.52
19.26	13.55	43.58	182.10
19.28	13.44	43.58	178.61
19.30	13.15	43.58	172.22
19.32	12.89	43.14	168.15
19.34	13.01	44.25	175.12
19.36	13.95	46.91	193.73
19.38	14.99	47.36	212.33
19.40	15.84	46.69	221.64
19.42	16.28	44.02	222.22
19.44	16.42	43.13	215.82
19.46	16.25	42.91	205.94
19.48	16.37	43.58	208.27
19.50	16.54	44.46	210.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	16.61	44.46	210.01
19.54	16.53	43.13	204.20
19.56	16.53	40.02	203.03
19.58	16.48	38.68	200.12
19.60	16.49	38.68	200.70
19.62	16.49	40.46	198.96
19.64	16.49	42.01	198.96
19.66	16.49	42.01	197.22
19.68	16.29	42.01	192.57
19.70	16.14	41.79	190.24
19.72	16.33	41.56	194.31
19.74	16.72	40.01	203.03
19.76	17.13	39.34	209.43
19.78	17.71	38.67	218.73
19.80	18.25	38.45	224.55
19.82	18.49	39.56	221.64
19.84	18.37	42.22	204.78
19.86	18.75	41.78	197.22
19.88	18.89	41.11	191.99
19.90	18.50	40.66	178.03
19.92	17.80	40.66	166.40
19.94	17.00	41.78	155.94
19.96	16.25	42.03	172.22
19.98	16.58	40.03	168.73
20.00	17.49	38.25	179.78
20.02	18.74	35.59	193.15
20.04	19.36	33.14	181.52
20.06	19.62	32.47	179.78
20.08	19.80	33.81	180.36
20.10	19.89	35.14	179.20
20.12	20.46	34.25	189.08
20.14	20.57	35.58	187.33
20.16	20.01	36.03	176.87
20.18	19.38	35.58	165.82
20.20	18.50	36.92	161.17
20.22	18.17	34.92	162.33
20.24	18.71	34.70	173.38
20.26	19.49	34.47	178.61
20.28	20.21	25.14	175.70
20.30	20.83	23.37	190.82
20.32	21.05	19.15	178.61
20.34	21.15	19.15	178.03
20.36	21.16	18.93	184.43
20.38	20.32	26.48	166.40
20.40	19.80	29.37	165.24
20.42	19.92	32.26	173.38
20.44	20.57	36.04	189.08
20.46	20.88	32.04	190.82
20.48	20.44	29.60	179.20
20.50	19.26	25.59	165.24

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	18.06	26.04	154.78
20.54	17.02	30.93	147.80
20.56	16.39	24.70	152.45
20.58	16.91	24.70	173.38
20.60	17.10	24.03	170.47
20.62	17.81	27.59	175.12
20.64	18.08	29.59	176.29
20.66	18.69	30.26	187.91
20.68	19.86	31.81	204.78
20.70	20.45	31.81	205.36
20.72	20.94	33.14	211.17
20.74	21.28	30.92	210.59
20.76	21.33	33.14	200.70
20.78	20.98	37.14	190.82
20.80	20.30	39.13	180.36
20.82	19.23	42.24	165.24
20.84	17.92	39.80	151.29
20.86	16.35	41.57	137.91
20.88	15.15	44.02	133.84
20.90	14.33	44.46	135.59
20.92	17.28	36.68	219.90
20.94	18.20	34.68	242.57
20.96	18.68	35.79	253.62
20.98	19.24	36.68	272.22
21.00	19.94	38.01	293.73
21.02	20.59	37.34	306.53
21.04	20.96	38.67	311.18
21.06	20.98	39.12	303.62
21.08	20.57	39.78	282.10
21.10	19.97	42.01	261.18
21.12	19.39	47.34	245.48
21.14	18.97	52.00	237.92
21.16	18.99	54.22	245.48
21.18	19.05	54.22	250.71
21.20	19.12	50.89	254.20
21.22	19.15	48.22	252.45
21.24	19.33	44.22	259.43
21.26	19.52	41.11	261.18
21.28	19.67	40.88	263.50
21.30	19.90	39.99	267.57
21.32	20.18	39.55	271.06
21.34	20.13	39.77	262.92
21.36	19.84	39.99	250.13
21.38	19.30	41.77	232.69
21.40	18.51	42.21	212.33
21.42	17.71	41.76	199.54
21.44	16.99	40.87	182.68
21.46	16.50	39.09	175.70
21.48	15.99	37.09	172.80
21.50	15.39	33.76	170.47

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 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	14.72	28.20	157.10
21.54	14.16	26.42	146.63
21.56	13.89	25.53	147.80
21.58	13.80	24.64	148.96
21.60	13.80	24.86	150.70
21.62	13.63	26.41	147.80
21.64	13.31	28.86	143.73
21.66	12.89	29.53	137.33
21.68	12.37	29.53	130.35
21.70	11.78	30.19	122.80
21.72	11.15	30.86	115.24
21.74	10.60	31.08	111.17
21.76	10.22	31.08	110.59
21.78	9.90	29.97	110.59
21.80	9.48	28.19	108.26
21.82	9.22	26.19	110.00
21.84	9.11	23.52	114.08
21.86	9.17	21.52	120.47
21.88	9.25	20.64	125.70
21.90	9.39	19.75	131.52
21.92	9.41	16.49	196.64
21.94	9.33	16.27	189.66
21.96	9.26	15.83	187.91
21.98	9.15	15.83	186.17
22.00	9.05	15.38	183.26
22.02	8.95	15.83	181.52
22.04	8.83	16.49	180.36
22.06	8.75	16.71	180.36
22.08	8.73	17.16	180.94
22.10	8.66	17.16	182.10
22.12	8.64	16.71	180.94
22.14	8.60	16.71	180.94
22.16	8.62	16.71	184.43
22.18	8.54	17.60	183.26
22.20	8.46	17.60	180.36
22.22	8.36	18.27	180.94
22.24	8.26	18.71	180.94
22.26	8.22	18.71	180.94
22.28	8.20	17.83	179.20
22.30	8.16	18.27	181.52
22.32	8.15	17.38	182.10
22.34	8.19	16.72	180.94
22.36	8.24	16.72	185.01
22.38	8.32	16.50	184.43
22.40	8.37	16.50	186.75
22.42	8.33	16.27	183.85
22.44	8.33	16.28	186.17
22.46	8.31	16.28	185.59
22.48	8.20	16.05	180.36
22.50	8.14	16.05	178.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	8.09	16.28	181.52
22.54	8.03	15.39	179.78
22.56	7.98	15.39	180.36
22.58	7.90	15.39	180.94
22.60	7.90	15.39	180.94
22.62	7.86	15.17	180.94
22.64	7.88	15.39	182.10
22.66	7.86	15.17	179.78
22.68	7.84	14.28	179.78
22.70	7.79	14.28	180.94
22.72	7.91	13.83	182.68
22.74	7.96	13.83	184.43
22.76	8.09	13.61	187.33
22.78	8.25	12.94	191.40
22.80	8.45	12.72	194.31
22.82	8.67	12.95	197.22
22.84	8.89	12.95	200.70
22.86	9.15	12.50	204.20
22.88	9.19	14.10	219.31
22.90	9.55	13.43	207.69
22.92	9.85	13.43	210.01
22.94	10.13	13.88	214.08
22.96	10.46	14.10	220.48
22.98	10.56	14.10	220.48
23.00	10.62	14.99	219.90
23.02	10.51	15.43	215.24
23.04	10.34	17.43	210.59
23.06	10.13	17.43	209.43
23.08	9.99	16.76	209.43
23.10	9.97	17.21	212.33
23.12	10.08	17.21	216.40
23.14	10.39	17.20	226.29
23.16	10.76	17.20	233.85
23.18	11.00	17.65	234.43
23.20	10.97	18.76	226.87
23.22	10.59	20.76	212.33
23.24	10.22	22.09	204.20
23.26	10.04	22.75	204.20
23.28	10.27	23.20	217.57
23.30	10.82	23.86	236.18
23.32	11.57	23.86	251.29
23.34	11.84	23.19	247.80
23.36	11.88	22.75	240.82
23.38	11.93	22.75	238.50
23.40	12.08	24.08	241.40
23.42	12.32	26.08	247.22
23.44	12.32	27.19	241.40
23.46	11.96	26.52	226.87
23.48	11.45	26.96	212.92
23.50	11.16	25.18	211.75

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	11.16	23.63	219.31
23.54	11.45	21.63	232.69
23.56	11.84	20.29	246.06
23.58	12.34	19.18	258.85
23.60	12.77	19.84	266.41
23.62	12.83	20.06	256.52
23.64	12.67	24.06	242.57
23.66	12.53	28.06	237.92
23.68	12.09	29.84	221.06
23.70	11.13	30.73	193.15
23.72	10.25	28.95	175.70
23.74	9.75	27.17	170.47
23.76	9.45	25.61	171.05
23.78	9.27	24.50	172.22
23.80	9.23	23.83	176.87
23.82	9.36	23.39	184.43
23.84	9.66	22.50	194.89
23.86	10.20	22.05	212.33
23.88	10.82	21.19	244.31
23.90	10.94	19.19	232.10
23.92	10.87	18.31	226.87
23.94	10.93	16.53	232.10
23.96	11.18	16.09	241.99
23.98	11.60	16.31	254.20
24.00	12.12	17.42	265.83
24.02	12.77	19.19	280.94
24.04	13.32	20.75	288.50
24.06	13.75	22.30	289.67
24.08	14.08	24.75	294.90
24.10	14.44	28.08	300.13
24.12	14.72	30.30	301.88
24.14	14.82	32.30	298.97
24.16	14.60	34.30	287.34
24.18	14.21	36.97	271.06
24.20	13.69	39.41	251.87
24.22	13.12	41.86	239.08
24.24	12.66	44.08	229.78
24.26	12.25	45.41	222.22
24.28	12.00	45.85	220.48
24.30	11.82	45.40	220.48
24.32	11.64	43.62	220.48
24.34	11.53	42.29	220.48
24.36	11.53	40.51	223.96
24.38	11.67	38.73	230.36
24.40	11.86	37.39	239.66
24.42	12.03	35.61	245.48
24.44	11.94	34.72	241.40
24.46	11.75	33.83	233.85
24.48	11.59	33.61	227.45
24.50	11.33	34.50	221.64

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 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova 1  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	11.27	35.16	220.48
24.54	11.03	35.16	213.50
24.56	10.91	35.60	215.82
24.58	10.95	36.27	221.06
24.60	11.28	36.93	232.69
24.62	11.64	37.60	243.15
24.64	11.82	38.27	247.22
24.66	11.78	38.49	238.50
24.68	11.49	40.93	225.13
24.70	11.14	44.04	216.99
24.72	10.96	45.82	208.85
24.74	10.84	48.26	210.01
24.76	10.95	48.93	214.08
24.78	10.97	49.15	216.99
24.80	10.89	47.81	210.59
24.82	10.47	46.92	200.12
24.84	10.18	45.59	189.08
24.86	9.81	44.92	182.68
24.88	9.36	41.86	240.24
24.90	9.29	39.86	222.80
24.92	9.29	37.19	224.55
24.94	9.26	33.41	229.78
24.96	9.47	28.53	229.20
24.98	9.90	25.86	244.90
25.00	10.28	22.53	249.55
25.02	10.49	17.41	241.99
25.04	10.56	13.41	239.66
25.06	10.73	10.97	245.48
25.08	10.61	11.41	237.92
25.10	10.55	11.19	237.34
25.12	10.55	11.41	237.92
25.14	10.61	12.52	241.99
25.16	10.66	14.08	242.57
25.18	10.55	14.74	244.31
25.20	10.56	15.41	241.99
25.22	10.81	14.74	243.73
25.24	11.18	14.74	258.27
25.26	11.41	15.41	265.83
25.28	11.87	13.86	273.39
25.30	12.37	13.63	283.85
25.32	12.88	13.86	291.41
25.34	13.00	13.63	283.85
25.36	13.09	12.74	280.94
25.38	13.09	13.85	280.36
25.40	13.08	14.29	276.29
25.42	12.76	15.41	261.76
25.44	12.08	16.07	238.50
25.46	10.84	17.18	201.29
25.48	9.12	16.52	158.84
25.50	7.15	17.85	122.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	5.62	25.18	104.77
25.54	4.31	35.18	94.89
25.56	3.29	64.95	98.38
25.58	3.09	101.40	130.35
25.60	4.14	134.28	254.78
25.62	6.52	136.95	757.13
25.64	9.97	87.61	846.68
25.66	11.91	110.05	443.16
25.68	12.84	87.83	310.60
25.70	13.06	73.83	259.43
25.72	13.09	62.94	240.82
25.74	13.38	60.72	242.57
25.76	13.89	48.05	260.01
25.78	14.45	40.05	276.29
25.80	15.06	36.28	293.15
25.82	15.53	38.28	298.97
25.84	16.09	34.73	309.43
25.86	18.95	19.63	325.71
25.88	18.00	25.85	272.22
25.90	16.54	30.74	230.36
25.92	15.12	32.74	211.75
25.94	13.87	34.29	197.22
25.96	13.02	36.29	197.22
25.98	12.27	42.51	194.89
26.00	11.79	37.18	192.57
26.02	11.72	34.73	209.43
26.04	11.98	30.06	236.18
26.06	12.58	27.17	264.08
26.08	13.50	23.39	318.16
26.10	14.53	23.39	323.97
26.12	15.09	22.06	309.43
26.14	15.26	24.95	300.13
26.16	15.01	25.17	273.97
26.18	14.40	24.94	244.90
26.20	13.66	26.50	218.15
26.22	12.88	25.83	205.94
26.24	12.04	22.05	205.36
26.26	11.26	29.38	187.91
26.28	10.47	24.94	187.91
26.30	9.86	28.49	173.38
26.32	9.51	22.27	175.12
26.34	9.60	20.05	197.80
26.36	10.25	21.60	233.27
26.38	11.66	33.38	301.88
26.40	13.71	60.49	368.16
26.42	15.29	54.27	405.37
26.44	16.51	43.16	378.62
26.46	16.81	30.27	332.69
26.48	16.37	27.61	279.20
26.50	15.58	33.61	219.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	14.69	36.72	200.70
26.54	13.84	39.83	173.96
26.56	13.12	40.05	176.29
26.58	12.57	36.27	187.91
26.60	12.28	33.60	200.70
26.62	12.21	26.05	210.01
26.64	12.36	23.38	222.22
26.66	12.66	22.05	237.92
26.68	13.29	20.71	264.08
26.70	14.27	25.83	291.99
26.72	15.09	21.60	305.36
26.74	15.77	17.38	325.13
26.76	16.14	13.38	319.90
26.78	16.18	12.27	317.58
26.80	15.39	9.82	278.62
26.82	14.73	10.27	218.73
26.84	14.57	10.49	232.69
26.86	16.34	4.75	441.42
26.88	17.19	6.08	415.83
26.90	16.51	11.86	332.69
26.92	15.20	39.19	275.13
26.94	14.18	55.63	269.90
26.96	13.50	62.96	258.27
26.98	14.27	63.85	346.65
27.00	14.98	67.40	241.40
27.02	16.74	93.84	360.60
27.04	18.05	108.73	378.04
27.06	18.71	122.95	374.55
27.08	19.02	131.39	357.69
27.10	19.00	133.18	346.06
27.12	18.90	137.39	338.50
27.14	18.85	119.61	340.25
27.16	18.88	112.28	338.50
27.18	18.88	104.94	337.34
27.20	18.46	98.27	311.76
27.22	17.67	94.04	278.62
27.24	16.68	92.70	244.90
27.26	15.59	92.03	216.99
27.28	14.81	89.81	205.36
27.30	14.24	89.80	208.27
27.32	13.66	89.80	206.52
27.34	13.06	90.68	198.96
27.36	12.55	90.23	193.15
27.38	12.09	87.79	191.99
27.40	11.68	88.45	187.91
27.42	11.38	92.01	189.66
27.44	11.16	94.89	189.08
27.46	10.95	95.78	190.82
27.48	10.76	95.11	189.08
27.50	10.64	95.99	193.73

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **27/06/12**  
 Preforo **0.50 m. p.c.**

Prova **1**  
 Cert. N. **363/2012**  
 Emesso il **28/06/2012**

Falda **ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	10.46	96.44	187.91
27.54	10.38	96.43	190.82
27.56	10.29	95.77	190.82
27.58	10.14	94.65	189.66
27.60	9.94	93.76	185.59
27.62	9.67	93.54	182.68
27.64	9.32	92.21	173.38
27.66	8.87	89.98	164.08
27.68	8.36	88.20	159.42
27.70	7.99	87.32	160.59
27.72	7.70	84.20	165.82
27.74	7.51	81.09	172.22
27.76	7.34	77.98	175.12
27.78	7.22	74.87	181.52
27.80	7.14	71.32	186.17
27.82	7.08	68.65	189.08
27.84	7.04	66.87	192.57
27.86	6.97	65.32	194.31
27.88	6.91	63.98	194.31
27.90	6.70	61.39	308.85
27.92	6.78	60.28	264.66
27.94	6.70	59.17	251.87
27.96	6.67	58.28	247.80
27.98	6.65	57.62	244.90
28.00	6.69	56.51	244.31
28.02	6.76	55.62	244.31
28.04	6.79	55.62	246.64
28.06	6.79	57.17	243.73
28.08	6.79	57.84	244.90
28.10	6.87	58.06	248.39
28.12	7.10	58.06	258.85
28.14	7.43	59.17	265.83
28.16	7.78	60.94	269.90
28.18	7.93	64.06	264.08
28.20	7.84	65.39	251.87
28.22	7.67	67.39	244.31
28.24	7.61	69.83	246.64
28.26	7.56	71.17	247.80
28.28	7.44	72.28	243.73
28.30	7.38	72.50	244.90
28.32	7.29	72.72	235.01
28.34	7.24	71.61	241.99
28.36	7.30	70.72	238.50
28.38	7.24	71.16	245.48
28.40	7.42	70.28	252.45
28.42	7.65	69.16	258.27
28.44	7.89	67.83	254.78
28.46	8.39	67.83	263.50
28.48	8.74	70.05	276.88
28.50	9.26	73.83	278.62

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	9.94	77.61	305.95
28.54	10.55	77.39	307.11
28.56	10.79	75.61	295.48
28.58	10.68	72.50	276.29
28.60	10.45	70.28	262.92
28.62	10.33	65.61	266.99
28.64	10.23	60.28	278.62
28.66	10.30	53.39	283.85
28.68	10.42	45.83	284.43
28.70	10.23	40.94	278.04
28.72	10.50	34.49	275.13
28.74	10.97	31.83	305.95
28.76	11.12	32.05	298.39
28.78	11.58	31.83	316.41
28.80	11.74	33.16	330.37
28.82	12.14	31.38	319.90
28.84	12.24	34.27	332.11
28.86	12.59	34.49	322.22
28.88	13.09	34.94	344.90
28.90	15.53	25.61	458.28
28.92	16.97	28.28	456.53
28.94	16.50	33.83	381.53
28.96	16.01	41.83	358.28
28.98	15.72	49.61	353.04
29.00	15.49	57.16	350.71
29.02	15.23	62.94	345.48
29.04	14.88	65.83	329.20
29.06	14.45	65.60	308.27
29.08	14.06	65.38	300.71
29.10	14.06	65.15	318.74
29.12	14.66	67.59	371.65
29.14	15.53	68.92	422.81
29.16	16.46	66.92	447.23
29.18	17.34	60.03	457.12
29.20	17.76	54.25	425.72
29.22	17.61	52.69	366.41
29.24	16.67	52.91	287.34
29.26	15.63	55.36	243.73
29.28	14.61	61.58	210.59
29.30	13.79	65.58	199.54
29.32	13.22	68.69	203.03
29.34	12.91	70.69	212.92
29.36	12.72	71.13	220.48
29.38	12.69	63.80	233.27
29.40	12.79	55.80	246.64
29.42	13.19	50.91	274.55
29.44	14.06	48.91	325.13
29.46	14.99	49.13	361.18
29.48	15.57	44.90	368.16
29.50	15.77	42.23	341.41

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	15.93	41.79	333.85
29.54	16.70	46.46	374.55
29.56	18.23	57.57	448.40
29.58	19.92	58.01	506.54
29.60	21.34	54.01	513.51
29.62	22.67	54.01	507.70
29.64	23.30	55.56	461.77
29.66	23.00	60.45	348.39
29.68	22.52	66.89	304.20
29.70	21.67	75.11	267.57
29.72	20.63	82.22	241.99
29.74	19.10	89.78	204.20
29.76	17.25	94.89	171.63
29.78	15.50	98.67	147.21
29.80	14.14	103.11	147.21
29.82	13.36	101.78	169.89
29.84	12.99	97.55	190.82
29.86	12.80	88.66	205.94
29.88	12.70	77.99	212.92
29.90	12.66	67.33	216.99
29.92	15.26	39.35	347.81
29.94	14.69	42.02	278.62
29.96	13.90	46.02	247.22
29.98	12.83	51.35	219.90
30.00	12.03	54.24	208.85
30.02	11.54	56.02	214.66
30.04	11.25	57.13	222.22
30.06	11.07	54.46	232.10
30.08	10.98	48.23	240.24
30.10	10.91	40.68	246.06
30.12	10.95	34.67	254.78
30.14	11.10	32.45	267.57
30.16	11.41	31.12	285.60
30.18	11.92	31.34	311.18
30.20	12.58	32.67	338.50
30.22	13.23	33.34	352.46
30.24	13.71	32.45	358.28
30.26	13.94	31.12	350.71
30.28	13.94	32.45	331.53
30.30	13.71	36.23	308.27
30.32	13.36	40.01	288.50
30.34	12.94	44.23	272.80
30.36	12.43	46.90	253.62
30.38	12.14	47.34	251.87
30.40	12.05	46.45	260.01
30.42	12.28	44.90	280.36
30.44	12.79	43.12	312.92
30.46	13.54	42.90	351.88
30.48	14.27	39.57	380.95
30.50	14.79	36.68	387.93

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	15.27	36.01	394.32
30.54	15.68	36.68	397.23
30.56	15.73	39.35	380.37
30.58	15.55	42.90	354.79
30.60	15.45	45.57	347.23
30.62	15.41	48.46	342.58
30.64	15.44	50.90	346.65
30.66	15.31	52.68	342.58
30.68	15.45	52.90	332.69
30.70	15.61	52.23	308.85
30.72	15.91	51.79	336.18
30.74	15.61	48.23	333.85
30.76	15.23	56.45	242.57
30.78	15.05	56.90	253.03
30.80	14.75	56.01	255.36
30.82	14.43	56.67	254.78
30.84	14.07	57.12	248.39
30.86	13.34	61.34	228.03
30.88	12.53	55.56	204.78
30.90	11.36	47.78	165.82
30.92	8.87	30.26	312.92
30.94	7.54	37.14	222.80
30.96	5.98	50.26	169.89
30.98	4.69	56.03	149.54
31.00	4.25	69.14	184.43
31.02	5.44	91.59	313.50
31.04	7.06	93.81	373.97
31.06	8.16	92.03	373.97
31.08	9.21	85.36	342.58
31.10	10.00	75.59	310.60
31.12	10.72	64.25	306.53
31.14	11.39	58.47	316.41
31.16	12.08	60.25	349.55
31.18	12.88	58.92	389.67
31.20	13.74	51.58	417.00
31.22	14.74	55.58	455.37
31.24	15.89	63.14	497.23
31.26	16.98	67.36	514.68
31.28	17.70	74.03	504.80
31.30	18.86	83.58	537.35
31.32	20.48	89.58	588.52
31.34	21.99	93.58	604.80
31.36	22.91	95.80	575.73
31.38	23.19	95.80	498.98
31.40	23.47	93.36	471.65
31.42	23.27	89.14	451.89
31.44	23.21	87.13	449.56
31.46	23.27	88.91	447.23
31.48	23.54	90.91	457.70
31.50	23.98	90.02	473.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	24.27	89.13	461.19
31.54	24.14	91.57	411.19
31.56	24.34	92.67	376.88
31.58	24.56	93.12	367.00
31.60	24.60	94.67	362.92
31.62	24.51	96.22	343.74
31.64	24.33	97.33	338.50
31.66	23.86	98.88	321.64
31.68	23.18	99.54	293.73
31.70	22.36	99.76	273.39
31.72	21.28	98.42	247.80
31.74	19.98	96.86	213.50
31.76	18.63	95.97	190.82
31.78	17.26	97.52	168.73
31.80	16.08	95.96	163.50
31.82	15.33	93.96	182.68
31.84	14.83	91.07	197.80
31.86	14.48	87.29	207.10
31.88	14.21	81.51	215.82
31.90	16.12	51.75	340.83
31.92	15.29	56.86	280.36
31.94	14.74	61.75	265.25
31.96	14.48	65.09	273.39
31.98	14.31	67.97	277.46
32.00	14.33	69.31	288.50
32.02	14.35	69.31	293.15
32.04	14.52	66.42	307.11
32.06	14.78	63.30	319.90
32.08	15.09	60.86	332.69
32.10	15.25	58.86	332.11
32.12	15.06	57.08	312.92
32.14	14.48	57.97	279.20
32.16	13.81	59.08	250.71
32.18	13.13	59.97	235.01
32.20	12.57	59.97	228.03
32.22	12.14	59.30	226.87
32.24	11.82	57.52	226.87
32.26	11.58	54.63	229.20
32.28	11.41	51.30	233.85
32.30	11.36	47.30	241.40
32.32	11.42	44.64	249.55
32.34	11.69	43.08	262.92
32.36	12.18	41.53	284.43
32.38	12.71	39.75	294.32
32.40	13.07	39.08	296.06
32.42	13.15	39.75	281.52
32.44	12.97	42.20	262.92
32.46	12.74	44.42	252.45
32.48	12.65	46.42	254.78
32.50	12.70	46.87	263.50

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	12.79	47.32	269.31
32.54	12.98	46.43	278.04
32.56	13.06	45.77	278.62
32.58	13.27	45.32	283.85
32.60	13.49	45.99	289.09
32.62	13.70	47.10	294.32
32.64	14.06	48.88	305.95
32.66	14.64	50.88	325.13
32.68	15.43	53.77	351.88
32.70	16.13	55.11	360.60
32.72	16.45	54.44	348.39
32.74	16.52	57.11	335.02
32.76	16.59	60.22	330.37
32.78	16.66	62.66	325.71
32.80	16.54	65.55	315.83
32.82	16.06	68.22	287.92
32.84	15.45	71.55	262.34
32.86	14.65	77.11	229.20
32.88	17.07	54.25	337.92
32.90	16.50	60.70	320.48
32.92	16.07	68.03	326.88
32.94	15.81	73.81	337.92
32.96	15.58	77.81	341.41
32.98	15.40	79.80	342.58
33.00	15.28	78.91	347.23
33.02	15.16	76.24	350.13
33.04	15.03	72.46	352.46
33.06	14.79	69.35	343.74
33.08	14.59	67.79	340.83
33.10	14.53	66.46	346.65
33.12	14.61	65.12	357.11
33.14	14.49	63.34	347.81
33.16	14.05	62.45	319.90
33.18	13.58	63.12	302.46
33.20	13.14	64.01	286.76
33.22	12.78	64.22	275.71
33.24	12.51	63.34	273.39
33.26	12.35	61.56	273.39
33.28	12.12	60.22	267.57
33.30	12.00	59.11	272.80
33.32	12.10	57.55	286.76
33.34	12.28	53.78	300.13
33.36	12.61	51.78	318.74
33.38	13.14	50.66	348.39
33.40	13.94	49.11	389.09
33.42	14.91	47.11	430.95
33.44	15.69	46.88	448.40
33.46	16.06	47.10	436.19
33.48	16.21	50.66	410.02
33.50	16.27	55.77	400.14

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 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.52	16.37	61.55	398.39
33.54	16.23	68.22	375.13
33.56	16.25	72.44	357.11
33.58	16.13	76.44	337.34
33.60	16.04	78.44	327.46
33.62	16.03	80.44	326.88
33.64	16.13	81.33	336.76
33.66	16.44	83.78	356.53
33.68	16.94	85.11	382.11
33.70	17.14	81.33	374.55
33.72	16.92	78.88	344.32
33.74	16.52	76.44	316.99
33.76	16.03	74.66	296.06
33.78	15.52	72.21	278.62
33.80	15.16	73.54	273.97
33.82	15.04	73.10	280.94
33.84	15.13	70.65	295.48
33.86	16.34	66.70	410.60
33.88	17.94	69.37	466.42
33.90	19.39	66.93	492.59
33.92	20.25	60.70	469.91
33.94	20.56	58.26	447.23
33.96	20.65	59.59	428.05
33.98	20.64	64.48	416.42
34.00	20.69	68.92	423.40
34.02	21.31	75.59	460.60
34.04	22.09	80.03	482.12
34.06	22.50	79.14	461.19
34.08	22.44	81.36	375.13
34.10	22.71	81.13	346.65
34.12	22.71	79.80	323.97
34.14	11.47	20.22	482.12
34.16	13.56	26.89	562.94
34.18	16.22	30.22	626.31
34.20	19.41	32.22	669.92
34.22	23.27	35.77	704.80
34.24	26.33	40.66	615.27
34.26	25.83	48.88	419.90
34.28	24.39	62.66	342.00
34.30	23.32	76.21	316.99
34.32	22.34	87.32	301.30
34.34	21.43	96.87	285.60
34.36	20.79	105.54	285.01
34.38	20.41	111.09	292.57
34.40	20.36	108.64	307.69
34.42	20.40	98.42	318.16
34.44	20.34	88.86	318.16
34.46	20.41	82.41	327.46
34.48	20.53	77.74	330.37
34.50	20.49	73.74	323.97

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.52	20.17	70.18	304.78
34.54	19.50	72.40	275.71
34.56	19.03	73.95	269.31
34.58	18.78	74.84	275.71
34.60	18.48	73.95	274.55
34.62	18.17	72.18	269.90
34.64	17.92	69.95	268.73
34.66	17.54	67.51	262.34
34.68	16.97	63.73	245.48
34.70	16.31	61.51	238.50
34.72	15.74	60.84	236.18
34.74	15.23	60.84	237.92
34.76	14.93	59.51	246.64
34.78	14.71	59.06	250.13
34.80	14.47	55.73	254.20
34.82	14.15	52.62	250.71
34.84	13.63	49.73	240.82
34.86	12.88	47.29	228.03
34.88	11.65	43.29	204.78
34.90	9.58	41.96	161.75
34.92	8.05	40.85	180.94
34.94	6.54	40.40	176.87
34.96	5.06	41.52	176.29
34.98	3.59	33.14	282.69
35.00	3.02	28.48	257.10
35.02	2.41	25.81	235.59
35.04	1.83	25.81	211.75
35.06	1.50	25.82	219.90
35.08	1.19	28.04	215.82
35.10	1.19	32.26	277.46
35.12	1.33	34.93	337.92
35.14	1.67	40.49	383.28
35.16	1.98	35.60	376.30
35.18	1.57	41.60	314.67
35.20	1.81	37.38	347.23
35.22	1.95	43.38	311.18
35.24	1.88	48.04	289.09
35.26	1.53	42.94	221.64
35.28	1.61	47.38	244.90
35.30	2.10	49.38	307.69
35.32	2.55	43.16	365.25
35.34	2.97	38.50	243.73
35.36	2.57	33.83	347.81
35.38	3.57	43.17	385.60
35.40	5.06	44.28	431.53
35.42	6.15	37.17	321.64
35.44	6.51	33.39	209.43
35.46	6.78	28.73	229.78
35.48	6.88	27.18	275.13
35.50	6.89	22.73	294.32

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.52	6.79	18.74	300.71
35.54	6.65	18.51	298.39
35.56	6.28	20.07	283.85
35.58	5.91	19.18	276.29
35.60	5.57	19.85	273.39
35.62	5.21	24.52	273.97
35.64	4.96	35.19	277.46
35.66	4.66	52.74	280.36
35.68	4.47	69.41	287.34
35.70	3.94	73.19	241.40
35.72	4.57	110.75	379.20
35.74	6.56	100.97	462.35
35.76	7.66	101.41	429.79
35.78	8.22	92.08	351.30
35.80	8.26	76.53	300.13
35.82	7.82	62.08	266.99
35.84	6.66	53.86	227.45
35.86	6.25	38.74	269.31
35.88	5.82	44.74	285.01
35.90	5.80	47.41	306.53
35.92	6.37	61.41	345.48
35.94	8.04	43.20	432.70
35.96	9.20	42.98	493.17
35.98	9.89	40.98	491.42
36.00	10.67	40.09	514.68
36.02	11.19	45.43	497.82
36.04	11.34	44.76	464.68
36.06	11.28	44.54	440.26
36.08	11.09	46.09	420.49
36.10	10.71	49.65	390.83
36.12	10.33	48.98	368.74
36.14	10.26	54.10	377.46
36.16	10.74	74.32	457.12
36.18	11.60	66.76	519.91
36.20	13.14	67.65	602.48
36.22	15.02	74.09	676.31
36.24	16.58	76.09	656.55
36.26	17.70	74.09	586.20
36.28	17.93	78.08	436.77
36.30	18.05	74.30	425.72
36.32	17.66	67.86	402.46
36.34	16.84	60.53	364.09
36.36	15.83	58.97	335.60
36.38	14.95	60.30	319.90
36.40	14.24	60.07	314.67
36.42	13.56	53.40	300.13
36.44	12.86	54.51	288.50
36.46	12.38	60.28	292.57
36.48	12.59	59.40	340.25
36.50	13.26	57.84	400.14



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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.52	13.27	52.95	389.67
36.54	12.82	56.50	347.81
36.56	12.35	54.72	310.01
36.58	11.99	54.05	290.25
36.60	11.79	55.39	288.50
36.62	11.67	56.05	288.50
36.64	11.40	59.60	279.78
36.66	10.96	61.38	260.01
36.68	10.28	62.93	240.24
36.70	9.53	63.82	230.94
36.72	9.20	63.15	241.99
36.74	9.14	62.92	262.92
36.76	8.75	61.81	245.48
36.78	8.04	62.92	239.08
36.80	7.67	67.81	248.97
36.82	7.55	81.14	271.64
36.84	7.11	98.03	247.80
36.86	6.37	109.81	141.98
36.88	5.55	111.81	78.60
36.90	4.58	123.81	75.12
36.92	3.97	125.58	53.60
36.94	3.82	124.03	37.32
36.96	3.63	68.96	382.11
36.98	3.23	78.74	378.04
37.00	3.09	94.07	442.58
37.02	3.35	108.07	602.48
37.04	4.66	130.74	702.48
37.06	6.97	134.95	770.50
37.08	10.74	127.85	1074.60
37.10	14.70	118.51	846.68
37.12	17.35	108.51	603.06
37.14	18.69	94.51	500.72
37.16	19.32	100.52	462.93
37.18	20.24	97.18	498.40
37.20	20.83	90.07	504.21
37.22	21.07	73.85	491.42
37.24	20.99	72.30	466.42
37.26	20.41	77.41	424.56
37.28	19.44	80.52	380.95
37.30	18.23	81.85	346.65
37.32	16.91	83.63	312.34
37.34	15.52	87.85	285.01
37.36	14.47	92.07	279.78
37.38	13.43	90.73	260.01
37.40	11.99	83.62	233.27
37.42	10.32	70.73	205.36
37.44	8.40	63.17	186.17
37.46	6.79	57.83	198.96
37.48	5.60	53.38	216.99
37.50	4.74	54.05	228.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.52	4.24	59.16	205.94
37.54	3.43	62.71	250.71
37.56	2.76	82.27	226.29
37.58	2.00	99.60	153.03
37.60	1.60	109.82	210.01
37.62	1.27	117.82	294.32
37.64	1.13	106.71	424.56
37.66	2.01	88.93	629.22
37.68	4.23	80.93	804.81
37.70	6.26	68.71	699.57
37.72	7.42	50.71	429.79
37.74	7.94	38.49	342.00
37.76	8.12	32.04	336.18
37.78	8.14	32.49	325.71
37.80	8.09	38.05	316.99
37.82	8.01	43.16	318.16
37.84	8.17	46.50	344.90
37.86	8.71	50.72	368.16
37.88	9.42	51.61	390.83
37.90	9.87	51.61	376.88
37.92	10.13	49.84	362.34
37.94	10.32	48.28	358.28
37.96	10.74	48.11	408.86
37.98	11.04	47.88	401.30
38.00	11.25	47.22	403.04
38.02	11.26	45.88	391.41
38.04	11.13	44.77	376.30
38.06	10.87	45.66	361.76
38.08	10.61	47.21	353.62
38.10	10.31	49.66	343.74
38.12	10.05	52.10	342.58
38.14	9.98	51.88	355.37
38.16	10.08	50.32	359.44
38.18	10.04	47.21	343.74
38.20	9.65	46.99	314.67
38.22	9.48	50.54	334.43
38.24	9.52	60.98	326.30
38.26	10.21	64.98	330.37
38.28	11.53	65.87	379.20
38.30	13.35	72.98	347.81
38.32	14.49	74.76	275.71
38.34	15.02	73.87	190.24
38.36	14.89	71.64	137.91
38.38	6.24	16.30	432.11
38.40	7.33	20.74	520.49
38.42	9.28	23.41	625.73
38.44	12.16	31.19	716.43
38.46	15.78	36.97	756.55
38.48	18.19	36.08	654.80
38.50	17.69	42.52	394.90

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.52	16.43	40.52	283.85
38.54	15.22	32.52	255.94
38.56	14.44	35.63	282.69
38.58	13.73	44.08	289.67
38.60	13.19	57.19	299.55
38.62	12.79	68.96	314.09
38.64	12.49	73.85	325.13
38.66	12.50	77.84	345.48
38.68	12.62	77.40	360.02
38.70	12.69	75.40	361.76
38.72	12.62	70.73	358.28
38.74	12.48	67.83	350.13
38.76	12.33	65.17	335.60
38.78	12.26	65.83	330.95
38.80	12.22	64.50	340.25
38.82	12.14	61.83	345.48
38.84	11.90	61.60	335.02
38.86	11.49	60.94	309.43
38.88	10.91	58.93	286.18
38.90	10.06	54.71	241.99
38.92	9.10	52.93	218.15
38.94	8.18	60.71	229.78
38.96	7.70	68.26	265.83
38.98	8.62	138.70	423.98
39.00	11.67	165.15	665.27
39.02	13.46	116.70	518.17
39.04	12.42	105.15	312.34
39.06	9.27	98.74	436.19
39.08	8.09	99.41	270.48
39.10	6.35	109.41	218.15
39.12	5.25	132.52	253.62
39.14	4.71	163.41	293.73
39.16	4.11	189.85	297.22
39.18	3.59	199.41	358.86
39.20	3.17	194.07	543.75
39.22	2.89	169.84	729.80
39.24	2.73	139.40	846.09
39.26	2.61	117.40	944.93
39.28	2.42	82.95	1106.57
39.30	2.25	52.73	1163.55
39.32	2.13	33.84	1140.30
39.34	2.21	30.95	1211.23
39.36	2.31	28.06	1156.58
39.38	2.32	29.84	1062.39
39.40	2.28	38.06	1042.03
39.42	2.21	42.28	1030.40
39.44	2.20	46.73	1117.62
39.46	2.30	42.95	1175.18
39.48	2.46	42.51	1150.18
39.50	2.49	44.07	1057.15

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 27/06/12  
 Preforo 0.50 m. p.c.

Falda ml

Prova **1**  
 Cert. N. 363/2012  
 Emesso il 28/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.52	2.45	46.96	900.17
39.54	2.27	48.07	966.45
39.56	2.17	47.41	1086.80
39.58	2.16	46.08	1118.78
39.60	2.15	46.08	1124.01
39.62	2.17	48.08	1143.79
39.64	2.17	47.19	1114.71
39.66	2.10	46.97	1083.90
39.68	2.11	45.64	1115.30
39.70	2.08	45.86	1101.92
39.72	2.04	45.87	1091.46
39.74	1.99	45.87	1088.55
39.76	1.98	44.98	1108.90
39.78	2.03	44.31	1178.09
39.80	2.15	42.32	1203.67
39.82	2.47	42.10	1214.14
39.84	2.88	42.99	1178.67
39.86	3.31	45.88	979.82
39.88	3.47	50.77	876.33
39.90	3.60	57.21	785.04
39.92	3.39	62.11	718.18
39.94	3.06	63.44	789.70
39.96	3.11	65.88	954.24
39.98	3.19	65.66	996.10
40.00	3.19	65.66	953.08
40.02	3.05	67.44	790.86
40.04	1.88	16.34	1471.13
40.06	2.13	24.78	1481.01
40.08	2.23	31.89	1498.46
40.10	2.29	35.23	1475.78
40.12	2.33	40.78	1420.54
40.14	2.39	45.67	1481.01
40.16	2.49	50.34	1618.23
40.18	2.54	53.89	1418.22
40.20	2.48	59.67	1300.77
40.22	2.42	63.89	1219.37
40.24	2.40	71.23	1334.49
40.26	2.60	71.45	1486.25
40.28	3.09	68.34	1541.48
40.30	3.87	69.89	1467.06
40.32	4.49	74.34	1121.11
40.34	5.01	77.67	867.02
40.36	5.91	80.11	778.65
40.38	7.02	84.78	675.15
40.40	8.49	87.45	576.31
40.42	10.10	91.22	484.44
40.44	12.20	95.23	447.23
40.46	15.12	105.89	471.07
40.48	17.88	113.00	437.93
40.50	19.63	121.89	332.11

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.52	20.24	131.67	240.24
40.54	19.56	119.44	152.45
40.56	18.43	118.33	262.34
40.58	17.29	122.33	289.09
40.60	16.44	127.88	319.90
40.62	16.13	129.43	371.07
40.64	16.30	131.87	373.39
40.66	16.73	134.10	321.06
40.68	17.01	128.53	243.15
40.70	17.08	114.53	200.12
40.72	16.81	99.64	193.15
40.74	16.50	94.74	214.08
40.76	16.40	94.96	281.52
40.78	16.39	96.29	323.97
40.80	16.42	98.51	354.20
40.82	16.63	103.62	382.70
40.84	16.86	110.06	388.51
40.86	16.96	114.28	404.79
40.88	16.87	114.72	391.41
40.90	16.74	113.61	386.18
40.92	16.56	111.83	372.81
40.94	16.43	110.93	371.07
40.96	16.31	110.71	376.30
40.98	16.22	113.37	374.55
41.00	16.03	116.48	369.32
41.02	15.86	116.03	368.74
41.04	21.52	62.90	503.63
41.06	20.47	71.12	346.06
41.08	19.19	82.45	267.57
41.10	18.13	92.68	240.82
41.12	17.38	101.34	268.15
41.14	16.89	109.56	278.04
41.16	16.61	116.89	305.95
41.18	16.47	122.22	326.88
41.20	16.42	122.89	351.30
41.22	16.37	120.66	364.09
41.24	16.30	119.54	369.32
41.26	16.32	119.54	373.97
41.28	16.35	118.87	386.18
41.30	16.38	115.98	393.74
41.32	16.45	114.42	392.58
41.34	16.45	113.08	390.25
41.36	16.45	111.53	387.35
41.38	16.32	109.97	378.04
41.40	16.19	109.52	389.67
41.42	16.08	112.41	380.37
41.44	15.93	114.85	378.62
41.46	15.77	116.41	373.39
41.48	15.61	117.07	369.32
41.50	15.53	119.52	361.76

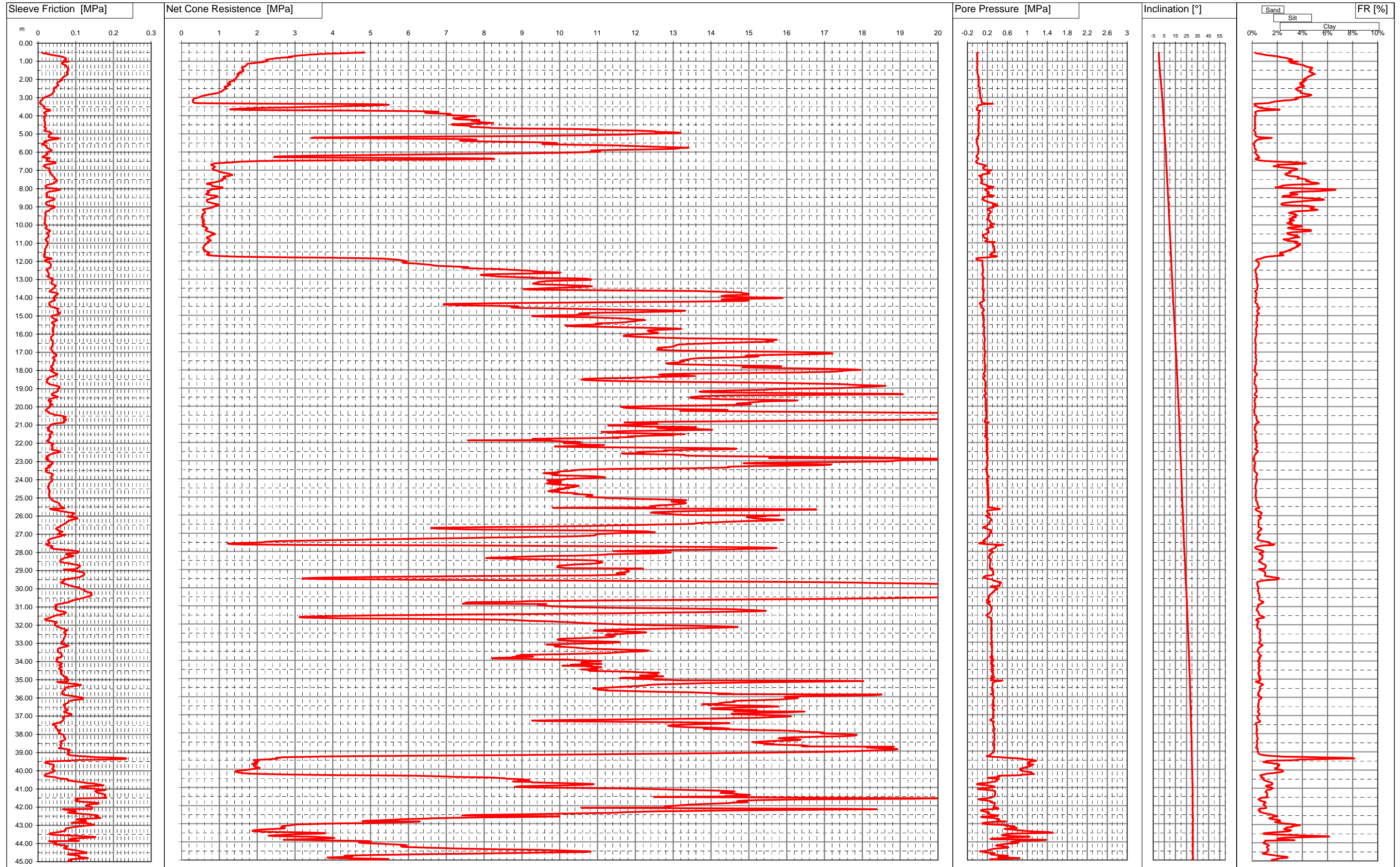
H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.52	15.35	123.29	352.46
41.54	15.18	124.18	344.32
41.56	14.96	122.62	331.53
41.58	14.94	120.40	335.02
41.60	15.07	119.29	353.62
41.62	15.40	117.06	373.39
41.64	15.45	114.84	360.02
41.66	15.77	111.51	347.23
41.68	16.09	108.40	355.37
41.70	16.37	107.51	347.23
41.72	16.33	105.73	335.02
41.74	16.22	105.96	321.64
41.76	16.01	110.40	312.92
41.78	15.74	113.96	308.85
41.80	15.67	114.63	314.67
41.82	15.62	114.19	321.64
41.84	15.66	116.41	328.04
41.86	15.85	117.08	337.92
41.88	16.00	116.42	334.43
41.90	16.36	110.87	340.25
41.92	16.52	104.87	339.67
41.94	16.62	101.09	342.58
41.96	16.65	99.76	344.90
41.98	16.56	102.43	347.81
42.00	16.48	108.65	345.48
42.02	16.48	114.43	344.90
42.04	16.52	122.88	340.83
42.06	21.86	71.29	486.19
42.08	20.84	84.63	301.30
42.10	19.52	92.63	222.22
42.12	18.43	97.30	205.36
42.14	17.52	101.96	211.75
42.16	16.69	106.19	222.22
42.18	16.04	113.07	242.57
42.20	15.60	119.07	278.04
42.22	15.42	121.29	297.80
42.24	15.58	120.84	330.37
42.26	16.13	121.50	370.49
42.28	16.93	122.61	404.79
42.30	17.78	122.16	426.88
42.32	18.38	121.27	425.14
42.34	18.50	121.49	392.00
42.36	18.73	121.94	383.86
42.38	18.86	122.82	386.18
42.40	18.83	124.60	378.62
42.42	18.53	127.71	355.95
42.44	18.17	130.60	342.00
42.46	17.71	132.82	323.97
42.48	17.22	133.71	312.92
42.50	16.89	132.60	317.58



Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Operatore dr.stanzani  
 Prova nr. 2 Cert. N. 359/2012  
 Data 26\06\12 Emesso il 26/06/2012  
 Falda 2.70 ml  
 Preforo 0.50 m. p.c.

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

Falda **2.70 ml**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	4.84	10.86	16.40
0.54	4.52	11.97	1.28
0.56	4.24	14.64	-3.38
0.58	3.94	20.42	-6.86
0.60	3.72	26.86	-8.61
0.62	3.53	29.97	-6.86
0.64	3.37	32.42	-4.54
0.66	3.26	38.42	-3.38
0.68	3.13	43.97	-1.63
0.70	3.02	51.53	-5.70
0.72	2.96	57.53	-3.96
0.74	2.91	62.64	-3.96
0.76	2.83	65.09	-2.80
0.78	2.92	67.76	-5.70
0.80	2.64	69.75	-5.12
0.82	2.61	72.86	-2.21
0.84	2.48	72.19	-2.80
0.86	2.44	73.30	-3.38
0.88	2.35	74.42	-2.21
0.90	2.28	74.64	-3.38
0.92	2.24	73.75	-1.63
0.94	2.25	69.75	-1.63
0.96	2.24	69.09	-1.63
0.98	2.25	67.97	-3.38
1.00	2.27	67.53	-2.21
1.02	2.15	81.14	3.60
1.04	2.18	70.25	1.86
1.06	2.11	65.59	-1.05
1.08	2.01	63.59	-3.96
1.10	1.91	62.70	-5.70
1.12	1.82	62.92	-6.86
1.14	1.75	63.59	-1.63
1.16	1.73	65.59	0.11
1.18	1.73	69.15	0.11
1.20	1.73	71.37	0.11
1.22	1.72	73.82	-1.05
1.24	1.71	74.71	-1.63
1.26	1.69	74.04	-2.80
1.28	1.68	73.82	-4.54
1.30	1.67	75.16	-5.70
1.32	1.62	76.49	-6.86
1.34	1.60	78.94	-7.44
1.36	1.59	80.28	-8.02
1.38	1.61	80.28	-8.02
1.40	1.61	80.28	-8.02
1.42	1.61	79.17	-2.21
1.44	1.63	79.17	0.11
1.46	1.63	78.95	-0.47
1.48	1.63	79.62	-0.47
1.50	1.64	80.07	-0.47

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	1.63	79.63	-1.63
1.54	1.64	77.85	-1.63
1.56	1.62	77.19	-1.63
1.58	1.61	77.41	-1.63
1.60	1.56	76.08	-1.63
1.62	1.52	75.42	-1.05
1.64	1.51	76.53	-0.47
1.66	1.56	77.64	1.28
1.68	1.51	77.43	2.44
1.70	1.47	77.43	3.02
1.72	1.49	76.54	3.02
1.74	1.51	76.32	7.09
1.76	1.51	75.44	11.74
1.78	1.50	74.77	14.07
1.80	1.50	72.11	15.23
1.82	1.47	70.56	16.98
1.84	1.47	68.56	18.14
1.86	1.46	67.23	16.98
1.88	1.46	67.90	22.21
1.90	1.45	66.12	28.02
1.92	1.45	65.01	30.93
1.94	1.43	63.68	29.19
1.96	1.42	61.91	27.44
1.98	1.42	61.69	25.70
2.00	1.41	60.36	23.95
2.02	1.37	59.47	24.53
2.04	1.41	63.32	25.70
2.06	1.41	59.54	25.11
2.08	1.37	57.98	25.11
2.10	1.32	57.10	25.11
2.12	1.29	55.77	26.28
2.14	1.26	54.21	26.28
2.16	1.27	51.77	26.86
2.18	1.28	51.32	28.02
2.20	1.28	50.66	28.02
2.22	1.26	50.21	31.51
2.24	1.21	50.66	29.19
2.26	1.25	50.88	28.02
2.28	1.29	51.33	26.86
2.30	1.28	52.89	26.28
2.32	1.26	54.00	25.11
2.34	1.23	52.22	23.95
2.36	1.23	50.67	23.37
2.38	1.18	49.34	21.63
2.40	1.13	48.90	20.46
2.42	1.13	46.45	37.90
2.44	1.16	44.23	47.79
2.46	1.17	44.01	53.02
2.48	1.16	43.57	51.28
2.50	1.17	42.91	49.53

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	1.17	42.02	48.95
2.54	1.15	42.02	48.37
2.56	1.12	41.80	47.21
2.58	1.11	41.58	41.40
2.60	1.10	40.92	30.93
2.62	1.09	41.58	39.07
2.64	1.07	42.92	48.95
2.66	1.07	43.14	53.60
2.68	1.05	41.81	52.44
2.70	1.01	40.48	44.89
2.72	0.99	39.37	43.72
2.74	0.98	39.15	53.60
2.76	0.93	38.49	50.70
2.78	0.88	38.04	51.86
2.80	0.83	36.71	49.53
2.82	0.76	35.82	50.12
2.84	0.71	34.71	50.70
2.86	0.65	32.50	57.10
2.88	0.62	30.28	61.75
2.90	0.58	27.61	60.58
2.92	0.54	24.94	60.00
2.94	0.51	22.28	58.26
2.96	0.49	20.06	57.10
2.98	0.46	18.28	55.93
3.00	0.44	16.29	54.77
3.02	0.41	14.74	53.02
3.04	0.35	13.46	75.70
3.06	0.33	12.35	76.86
3.08	0.32	11.68	75.70
3.10	0.31	11.24	76.28
3.12	0.31	10.35	76.86
3.14	0.30	9.46	78.02
3.16	0.31	8.12	79.19
3.18	0.30	6.79	79.19
3.20	0.30	6.13	79.19
3.22	0.30	5.46	81.51
3.24	0.31	5.24	83.26
3.26	0.31	4.79	85.00
3.28	0.32	4.80	87.33
3.30	0.36	4.80	93.14
3.32	0.81	6.36	147.80
3.34	2.98	5.47	312.34
3.36	4.74	7.69	119.89
3.38	5.35	9.47	99.54
3.40	5.48	10.58	80.93
3.42	5.28	11.47	23.37
3.44	4.93	13.03	22.21
3.46	4.59	15.03	19.30
3.48	4.24	16.81	17.56
3.50	3.80	15.48	14.07

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	3.31	15.03	9.42
3.54	2.86	15.48	5.93
3.56	2.36	15.26	0.11
3.58	1.88	17.26	-7.44
3.60	1.71	17.70	-9.77
3.62	1.50	19.70	-12.68
3.64	1.29	22.59	-16.17
3.66	1.29	28.81	-16.17
3.68	1.75	32.15	-5.12
3.70	2.80	32.37	14.07
3.72	4.51	31.03	44.89
3.74	5.78	25.70	57.10
3.76	6.46	22.59	46.63
3.78	6.80	18.82	44.30
3.80	6.71	16.37	37.32
3.82	6.52	16.60	32.09
3.84	6.44	15.93	29.19
3.86	6.56	16.59	29.19
3.88	6.85	19.04	30.35
3.90	7.11	20.37	30.93
3.92	7.06	20.82	29.77
3.94	7.04	21.26	29.77
3.96	7.01	21.04	29.19
3.98	7.18	20.82	29.77
4.00	7.52	19.93	32.09
4.02	7.76	19.03	33.26
4.04	7.55	15.93	37.90
4.06	7.51	15.49	33.84
4.08	7.55	15.93	32.09
4.10	7.49	16.37	30.93
4.12	7.28	16.82	28.60
4.14	7.18	16.82	27.44
4.16	7.25	16.60	27.44
4.18	7.22	16.60	26.86
4.20	7.28	16.60	26.86
4.22	7.60	16.15	28.60
4.24	7.88	15.93	29.77
4.26	7.84	16.37	29.19
4.28	7.67	16.82	27.44
4.30	7.72	17.93	27.44
4.32	7.88	18.37	28.02
4.34	7.85	18.37	27.44
4.36	7.90	18.37	28.02
4.38	8.06	17.92	28.02
4.40	8.24	17.48	29.19
4.42	8.07	17.92	28.02
4.44	7.65	19.03	25.70
4.46	7.31	18.81	24.53
4.48	7.14	18.81	23.95
4.50	7.16	18.81	24.53

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	7.29	18.58	25.70
4.54	7.57	17.69	26.86
4.56	7.63	17.47	26.86
4.58	7.63	16.58	26.86
4.60	7.66	16.36	26.86
4.62	7.64	16.58	26.86
4.64	7.97	18.80	28.02
4.66	8.14	20.13	29.19
4.68	8.18	21.24	28.60
4.70	8.70	21.02	29.19
4.72	9.86	19.91	29.77
4.74	10.76	19.02	18.14
4.76	11.02	19.24	11.74
4.78	10.82	17.68	10.58
4.80	11.17	16.35	12.32
4.82	11.89	16.79	16.98
4.84	12.33	21.02	19.88
4.86	12.53	24.13	21.63
4.88	12.53	29.02	23.37
4.90	12.65	31.90	25.11
4.92	13.03	32.35	28.02
4.94	13.20	33.68	29.77
4.96	13.08	35.68	30.93
4.98	12.55	36.12	29.77
5.00	12.09	32.34	28.60
5.02	11.94	31.46	28.02
5.04	11.70	31.01	28.02
5.06	11.20	29.45	26.28
5.08	10.56	28.12	25.11
5.10	9.75	28.34	23.37
5.12	8.78	28.12	20.46
5.14	7.47	27.45	16.40
5.16	5.94	28.12	10.00
5.18	4.49	30.78	2.44
5.20	3.51	39.45	-5.70
5.22	3.43	54.78	-5.12
5.24	4.68	55.66	4.19
5.26	6.02	51.88	14.07
5.28	7.19	48.33	12.32
5.30	7.62	37.22	-20.24
5.32	7.80	34.33	-19.65
5.34	7.67	30.77	-19.07
5.36	7.45	25.66	-18.49
5.38	7.37	22.77	-17.91
5.40	7.52	16.33	-16.17
5.42	8.06	18.33	-13.84
5.44	8.65	20.99	-10.35
5.46	9.32	21.66	-6.86
5.48	9.69	17.88	-5.70
5.50	9.92	15.44	-6.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	9.79	13.66	-7.44
5.54	9.60	10.55	-7.44
5.56	9.54	10.11	-6.86
5.58	9.81	11.88	-4.54
5.60	10.43	15.44	-1.05
5.62	11.03	19.22	1.86
5.64	11.50	22.77	5.35
5.66	11.78	22.11	7.67
5.68	12.05	21.22	9.42
5.70	12.43	22.77	11.74
5.72	12.64	22.33	12.90
5.74	13.09	23.22	16.40
5.76	13.41	23.88	18.14
5.78	13.22	24.99	18.72
5.80	13.11	27.66	19.88
5.82	13.07	30.99	20.46
5.84	12.74	32.54	20.46
5.86	12.24	33.66	19.30
5.88	11.60	34.99	17.56
5.90	11.09	36.10	16.98
5.92	10.83	35.21	16.98
5.94	10.87	33.65	18.14
5.96	11.04	30.76	19.88
5.98	11.06	27.20	20.46
6.00	10.71	25.21	19.88
6.02	10.50	22.32	18.72
6.04	10.03	22.76	16.98
6.06	9.43	23.43	15.23
6.08	8.65	24.76	12.32
6.10	7.86	25.65	9.42
6.12	7.01	24.98	6.51
6.14	6.13	23.20	3.02
6.16	5.29	19.87	-0.47
6.18	4.42	18.31	-5.12
6.20	3.54	17.20	-11.51
6.22	2.95	14.98	-16.17
6.24	2.62	12.53	-18.49
6.26	2.45	11.65	-19.65
6.28	2.45	11.65	-19.07
6.30	3.37	19.87	-10.35
6.32	5.44	31.42	3.60
6.34	7.38	24.76	16.98
6.36	8.22	22.76	16.40
6.38	8.27	22.76	15.81
6.40	7.64	23.87	11.16
6.42	6.53	26.10	5.93
6.44	5.14	25.65	0.11
6.46	3.70	23.87	-8.02
6.48	2.63	24.54	-16.75
6.50	2.02	27.21	-21.98

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	1.70	35.87	-25.47
6.54	1.49	42.32	-27.21
6.56	1.39	45.43	-24.89
6.58	1.25	46.54	-21.98
6.60	1.10	46.77	-11.51
6.62	0.92	40.99	5.93
6.64	0.84	35.88	35.00
6.66	0.83	28.99	66.40
6.68	0.79	21.43	90.23
6.70	0.79	16.54	113.49
6.72	0.79	17.21	143.73
6.74	0.82	16.77	168.73
6.76	0.85	15.88	171.63
6.78	0.87	14.99	145.47
6.80	0.87	17.66	140.24
6.82	0.89	19.66	139.66
6.84	0.87	21.00	124.54
6.86	0.86	24.11	116.40
6.88	0.84	27.22	118.14
6.90	0.83	30.11	124.54
6.92	0.85	30.78	128.03
6.94	0.83	30.78	129.77
6.96	0.83	30.34	137.91
6.98	0.84	30.11	142.56
7.00	0.87	30.36	280.94
7.02	0.93	30.14	250.13
7.04	0.96	29.91	231.52
7.06	0.98	29.69	203.61
7.08	1.00	31.25	197.80
7.10	1.02	32.58	196.64
7.12	1.08	33.47	214.66
7.14	1.10	34.36	230.94
7.16	1.17	33.92	247.80
7.18	1.23	33.92	219.31
7.20	1.27	34.58	193.15
7.22	1.27	34.80	135.00
7.24	1.32	36.14	105.35
7.26	1.35	37.69	89.65
7.28	1.32	38.80	81.51
7.30	1.28	38.36	35.00
7.32	1.26	39.47	48.95
7.34	1.14	41.25	49.53
7.36	1.11	42.58	66.40
7.38	1.12	43.03	76.28
7.40	1.14	43.03	85.00
7.42	1.15	43.47	89.07
7.44	1.16	43.69	83.84
7.46	1.12	46.14	77.44
7.48	1.08	47.02	72.79
7.50	1.08	48.14	73.38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	1.09	49.02	77.44
7.54	1.10	49.91	85.59
7.56	1.08	50.80	97.21
7.58	1.04	48.36	102.45
7.60	1.03	46.13	95.47
7.62	0.98	46.58	90.82
7.64	0.93	44.80	82.10
7.66	0.90	44.80	73.38
7.68	0.85	44.13	70.47
7.70	0.78	42.36	69.89
7.72	0.72	40.13	73.96
7.74	0.67	36.80	103.61
7.76	0.67	32.80	113.49
7.78	0.73	28.80	135.00
7.80	0.78	25.02	163.50
7.82	0.80	22.13	187.33
7.84	0.81	20.13	191.99
7.86	0.81	19.69	186.75
7.88	0.81	19.69	209.43
7.90	0.90	20.13	268.73
7.92	0.98	21.02	324.55
7.94	1.08	20.36	311.18
7.96	1.09	25.91	233.85
7.98	1.08	34.80	205.94
8.00	1.04	47.48	269.90
8.02	0.97	51.03	202.45
8.04	0.87	54.59	168.15
8.06	0.81	57.03	154.78
8.08	0.76	54.37	153.61
8.10	0.75	49.70	157.10
8.12	0.72	45.03	171.05
8.14	0.69	39.26	185.01
8.16	0.69	32.59	201.29
8.18	0.69	27.70	212.33
8.20	0.72	25.70	224.55
8.22	0.73	23.92	232.69
8.24	0.72	22.59	234.43
8.26	0.69	21.48	219.31
8.28	0.68	22.14	200.70
8.30	0.68	22.59	196.64
8.32	0.64	24.14	194.31
8.34	0.67	23.92	214.08
8.36	0.72	23.25	227.45
8.38	0.76	23.70	275.71
8.40	0.87	23.25	325.71
8.42	0.94	23.48	329.79
8.44	0.94	23.48	260.01
8.46	0.96	23.92	175.70
8.48	0.91	30.37	123.38
8.50	0.87	35.03	119.89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	0.87	38.37	123.38
8.54	0.84	41.26	130.93
8.56	0.80	42.59	119.89
8.58	0.75	43.70	105.35
8.60	0.72	43.26	96.05
8.62	0.68	41.03	98.38
8.64	0.67	38.37	114.66
8.66	0.68	34.36	133.26
8.68	0.68	31.25	151.87
8.70	0.68	28.81	170.47
8.72	0.68	26.36	190.24
8.74	0.69	22.81	203.61
8.76	0.70	21.25	220.48
8.78	0.74	21.03	253.62
8.80	0.79	20.81	282.69
8.82	0.82	20.14	304.78
8.84	0.86	20.81	318.74
8.86	0.91	22.37	359.44
8.88	0.96	22.81	376.88
8.90	0.98	23.92	364.09
8.92	0.99	27.03	329.79
8.94	0.96	31.03	314.09
8.96	0.89	41.93	406.53
8.98	0.92	42.37	301.30
9.00	0.87	44.82	312.34
9.02	0.85	44.37	328.04
9.04	0.84	43.04	325.13
9.06	0.80	40.15	305.36
9.08	0.77	37.48	277.46
9.10	0.73	35.70	235.59
9.12	0.67	33.93	218.15
9.14	0.63	32.37	204.78
9.16	0.58	31.48	196.64
9.18	0.56	30.82	203.03
9.20	0.57	29.48	219.90
9.22	0.58	27.48	237.34
9.24	0.60	24.59	254.20
9.26	0.61	21.70	255.36
9.28	0.61	21.26	265.25
9.30	0.61	19.92	269.31
9.32	0.61	19.26	273.39
9.34	0.62	18.81	264.66
9.36	0.61	19.03	251.29
9.38	0.61	19.92	241.99
9.40	0.57	20.15	239.66
9.42	0.57	19.70	234.43
9.44	0.56	19.70	228.03
9.46	0.55	20.15	228.03
9.48	0.55	19.93	229.78
9.50	0.55	19.93	231.52

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Falda **2.70 ml**

Prova **2**  
 Cert. N. **359/2012**  
 Emesso il **26/06/2012**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	0.55	19.26	229.78
9.54	0.56	19.04	225.71
9.56	0.56	18.59	218.73
9.58	0.53	19.04	221.06
9.60	0.55	19.04	223.38
9.62	0.55	18.37	225.13
9.64	0.56	17.71	220.48
9.66	0.56	17.71	214.08
9.68	0.57	17.48	203.61
9.70	0.56	17.48	190.24
9.72	0.55	17.93	189.08
9.74	0.56	19.04	205.36
9.76	0.57	19.71	233.27
9.78	0.60	18.82	252.45
9.80	0.60	18.60	255.94
9.82	0.58	18.37	250.71
9.84	0.57	18.37	250.71
9.86	0.55	17.71	257.10
9.88	0.56	16.82	271.64
9.90	0.57	16.37	273.97
9.92	0.58	17.49	271.64
9.94	0.57	18.82	274.55
9.96	0.61	19.94	336.18
9.98	0.61	18.83	309.43
10.00	0.61	19.71	282.69
10.02	0.59	20.83	262.34
10.04	0.58	21.71	251.87
10.06	0.55	22.38	253.03
10.08	0.55	22.83	268.15
10.10	0.58	22.83	288.50
10.12	0.61	22.38	316.99
10.14	0.64	21.27	311.76
10.16	0.65	19.27	259.43
10.18	0.67	19.71	231.52
10.20	0.67	21.05	219.31
10.22	0.68	22.16	200.70
10.24	0.67	24.16	185.01
10.26	0.65	27.05	180.36
10.28	0.63	30.16	198.38
10.30	0.64	31.49	215.24
10.32	0.65	31.94	214.08
10.34	0.65	31.94	215.82
10.36	0.68	30.38	221.06
10.38	0.71	28.38	225.13
10.40	0.75	25.71	231.52
10.42	0.77	24.82	230.36
10.44	0.79	24.16	219.90
10.46	0.82	23.49	205.36
10.48	0.87	24.82	187.91
10.50	0.87	26.60	174.54

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	0.89	26.38	167.57
10.54	0.87	27.04	144.31
10.56	0.82	27.71	120.47
10.58	0.80	28.82	104.19
10.60	0.77	28.82	109.42
10.62	0.76	28.16	114.66
10.64	0.76	26.60	122.21
10.66	0.73	26.16	111.17
10.68	0.68	26.60	122.80
10.70	0.69	25.27	138.50
10.72	0.67	22.82	141.40
10.74	0.67	21.49	146.63
10.76	0.67	21.49	172.80
10.78	0.70	20.82	196.06
10.80	0.75	19.04	206.52
10.82	0.75	19.71	193.15
10.84	0.75	21.49	196.06
10.86	0.75	22.38	194.89
10.88	0.77	22.15	182.68
10.90	0.75	23.49	154.19
10.92	0.70	25.71	156.52
10.94	0.69	25.93	169.31
10.96	0.70	25.05	351.88
10.98	0.71	24.83	337.92
11.00	0.71	25.27	314.67
11.02	0.68	25.94	300.71
11.04	0.67	25.71	297.80
11.06	0.65	25.94	306.53
11.08	0.64	25.05	308.85
11.10	0.62	24.60	312.34
11.12	0.61	23.71	310.60
11.14	0.62	22.83	307.11
11.16	0.61	22.83	307.69
11.18	0.59	22.38	318.74
11.20	0.59	22.16	331.53
11.22	0.59	21.05	337.34
11.24	0.59	20.83	336.18
11.26	0.58	20.16	330.95
11.28	0.57	20.16	336.76
11.30	0.58	19.05	336.18
11.32	0.58	18.83	343.74
11.34	0.58	18.83	343.74
11.36	0.59	18.38	333.85
11.38	0.61	18.60	327.46
11.40	0.59	18.60	331.53
11.42	0.62	18.38	340.83
11.44	0.62	17.94	337.92
11.46	0.64	17.49	330.37
11.48	0.65	17.94	337.34
11.50	0.67	17.94	354.79

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	0.73	16.83	354.20
11.54	0.74	16.60	321.64
11.56	0.74	17.49	305.36
11.58	0.73	17.27	280.94
11.60	0.70	17.27	276.29
11.62	0.67	16.38	273.97
11.64	0.68	15.49	258.85
11.66	0.67	16.83	246.64
11.68	0.70	17.71	265.25
11.70	0.79	16.38	320.48
11.72	0.92	15.94	365.25
11.74	1.10	15.27	384.44
11.76	1.39	16.83	389.67
11.78	1.90	19.94	318.16
11.80	2.78	25.27	219.90
11.82	3.85	32.38	93.14
11.84	4.61	35.27	14.07
11.86	5.08	35.72	-19.65
11.88	5.38	30.16	-24.30
11.90	5.51	22.83	-19.65
11.92	5.65	19.27	-10.93
11.94	5.74	17.94	0.70
11.96	5.80	17.49	12.90
11.98	5.84	19.05	97.21
12.00	5.91	21.49	99.54
12.02	5.96	24.16	98.96
12.04	5.93	26.60	96.63
12.06	5.90	28.60	98.38
12.08	5.85	29.93	99.54
12.10	5.86	31.49	101.86
12.12	5.96	32.82	103.03
12.14	6.15	33.71	103.03
12.16	6.29	33.71	100.12
12.18	6.40	33.71	98.96
12.20	6.52	33.71	98.38
12.22	6.59	33.93	94.89
12.24	6.65	33.93	96.63
12.26	6.71	33.48	98.38
12.28	6.86	33.48	102.45
12.30	7.14	33.92	108.26
12.32	7.43	33.47	110.59
12.34	7.58	32.14	109.42
12.36	7.51	29.92	104.77
12.38	7.45	27.69	106.51
12.40	7.58	26.14	110.00
12.42	7.90	24.13	114.08
12.44	8.26	22.80	114.66
12.46	8.46	23.24	112.91
12.48	8.65	23.91	112.33
12.50	8.83	24.57	112.91



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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	9.03	24.57	112.91
12.54	9.24	24.79	112.91
12.56	9.30	25.68	110.00
12.58	9.30	26.12	110.59
12.60	9.48	26.57	113.49
12.62	9.79	27.23	115.24
12.64	10.02	27.67	113.49
12.66	9.97	28.56	109.42
12.68	9.61	28.78	103.03
12.70	9.08	29.00	98.96
12.72	8.51	29.45	93.14
12.74	8.10	28.78	92.56
12.76	7.91	28.11	96.63
12.78	7.92	27.00	104.19
12.80	8.05	25.66	109.42
12.82	8.22	24.77	110.59
12.84	8.27	25.22	107.10
12.86	8.40	26.99	107.10
12.88	8.69	28.32	111.17
12.90	9.00	30.77	112.91
12.92	9.33	33.88	113.49
12.94	9.25	39.43	137.91
12.96	10.41	37.43	118.72
12.98	10.71	37.43	115.82
13.00	10.80	37.66	113.49
13.02	10.83	38.54	114.66
13.04	10.82	38.77	114.08
13.06	10.55	38.32	108.26
13.08	10.13	37.21	105.35
13.10	9.79	37.21	106.51
13.12	9.61	36.32	109.42
13.14	9.52	35.65	110.59
13.16	9.44	35.20	110.59
13.18	9.42	34.98	111.75
13.20	9.41	34.98	110.59
13.22	9.33	35.65	108.84
13.24	9.29	36.98	109.42
13.26	9.31	39.20	110.00
13.28	9.42	40.98	112.33
13.30	9.68	44.31	114.08
13.32	10.04	46.53	116.98
13.34	10.30	47.42	114.08
13.36	10.57	47.41	116.40
13.38	10.80	45.86	113.49
13.40	10.85	43.63	110.00
13.42	10.68	43.63	104.77
13.44	10.39	43.41	103.61
13.46	10.21	42.29	105.93
13.48	9.96	40.07	104.19
13.50	9.67	39.63	101.86

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	9.39	38.74	99.54
13.54	9.15	37.18	98.38
13.56	9.04	35.62	101.86
13.58	9.27	34.51	113.49
13.60	10.05	33.62	128.03
13.62	11.44	32.06	135.59
13.64	12.74	31.18	132.10
13.66	13.57	30.28	121.63
13.68	14.02	33.84	119.30
13.70	14.28	38.28	118.14
13.72	14.59	44.50	121.05
13.74	14.80	48.95	121.63
13.76	14.81	51.83	121.05
13.78	14.86	52.72	123.38
13.80	14.98	52.28	123.96
13.82	14.97	51.39	121.63
13.84	14.98	49.39	122.80
13.86	14.99	47.16	122.80
13.88	14.71	45.83	116.40
13.90	14.38	45.60	115.82
13.92	14.32	45.60	119.89
13.94	14.28	45.39	116.98
13.96	14.37	42.94	116.98
13.98	14.51	44.05	118.14
14.00	15.09	44.50	118.14
14.02	15.65	43.16	122.80
14.04	15.89	40.05	125.70
14.06	15.73	40.94	121.63
14.08	15.04	43.16	113.49
14.10	14.39	43.60	113.49
14.12	14.28	44.93	124.54
14.14	14.47	44.71	131.52
14.16	14.89	43.60	142.56
14.18	15.00	39.15	123.38
14.20	14.91	36.93	123.38
14.22	14.39	34.49	112.33
14.24	13.38	32.26	99.54
14.26	12.21	30.26	83.84
14.28	11.03	29.81	69.89
14.30	9.86	29.81	59.42
14.32	8.80	28.92	50.70
14.34	7.87	30.70	44.89
14.36	7.23	30.69	46.63
14.38	6.94	29.58	55.93
14.40	6.93	30.25	67.56
14.42	7.10	32.25	73.96
14.44	7.43	32.25	64.07
14.46	7.95	32.03	67.56
14.48	8.56	33.58	74.54
14.50	8.89	35.58	75.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	8.91	39.36	76.28
14.54	8.81	42.03	76.86
14.56	8.72	45.80	79.19
14.58	8.87	50.25	89.07
14.60	9.33	54.02	106.51
14.62	9.94	53.80	122.80
14.64	10.52	52.02	119.89
14.66	10.95	50.69	119.30
14.68	11.49	50.69	125.12
14.70	12.29	51.58	132.68
14.72	13.04	51.36	132.68
14.74	13.32	52.69	126.29
14.76	13.25	53.36	121.05
14.78	12.98	52.69	116.98
14.80	12.53	53.13	110.59
14.82	12.04	55.58	107.10
14.84	11.50	57.58	98.96
14.86	10.94	57.80	92.56
14.88	10.59	57.13	93.14
14.90	10.51	55.80	101.28
14.92	10.66	50.91	110.59
14.94	10.77	46.46	115.82
14.96	10.65	41.60	122.21
14.98	10.36	38.49	116.98
15.00	9.88	36.26	110.59
15.02	9.45	35.60	106.51
15.04	9.27	35.82	110.00
15.06	9.50	36.26	122.80
15.08	10.08	37.15	130.93
15.10	10.73	38.49	129.19
15.12	11.07	40.71	126.29
15.14	11.28	42.26	127.45
15.16	11.62	44.26	129.77
15.18	11.84	45.37	127.45
15.20	11.84	47.37	126.87
15.22	11.97	49.37	131.52
15.24	12.20	50.93	133.84
15.26	12.26	49.37	129.77
15.28	12.06	47.15	128.61
15.30	12.03	44.04	129.77
15.32	11.99	40.48	129.19
15.34	11.86	38.26	128.61
15.36	11.80	37.14	129.19
15.38	11.73	36.26	128.61
15.40	11.56	36.92	126.87
15.42	11.26	38.47	122.80
15.44	11.01	40.92	120.47
15.46	10.95	42.25	125.12
15.48	11.06	42.92	129.19
15.50	11.01	42.92	126.87

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Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	10.71	43.14	118.72
15.54	10.36	43.36	112.91
15.56	10.15	42.47	113.49
15.58	10.16	42.25	116.98
15.60	10.35	41.80	123.96
15.62	10.82	40.69	135.00
15.64	11.36	39.14	138.50
15.66	11.72	39.58	137.91
15.68	12.16	39.36	141.40
15.70	12.63	41.13	140.82
15.72	13.07	39.80	139.08
15.74	13.22	37.35	135.59
15.76	13.03	38.02	130.35
15.78	12.79	39.13	130.93
15.80	12.59	40.46	130.93
15.82	12.39	40.69	130.35
15.84	12.32	40.69	135.00
15.86	12.33	39.35	134.42
15.88	12.36	38.68	133.84
15.90	12.39	39.79	135.59
15.92	12.45	40.46	136.17
15.94	12.58	40.70	132.68
15.96	12.58	40.48	129.77
15.98	12.60	40.93	134.42
16.00	12.49	40.70	133.84
16.02	12.27	40.93	132.10
16.04	12.04	40.48	132.10
16.06	11.91	39.81	132.68
16.08	11.82	39.15	132.68
16.10	11.70	37.59	133.26
16.12	11.69	36.70	133.84
16.14	11.69	35.14	135.00
16.16	11.82	34.48	136.75
16.18	12.04	34.26	137.91
16.20	12.30	34.70	139.66
16.22	12.54	34.47	141.40
16.24	12.87	34.70	143.73
16.26	13.37	34.92	147.80
16.28	14.10	34.69	151.87
16.30	14.85	35.14	150.70
16.32	15.47	34.92	148.96
16.34	15.74	36.25	144.89
16.36	15.63	37.14	138.50
16.38	15.50	39.36	142.56
16.40	15.47	39.36	144.89
16.42	15.60	39.80	147.21
16.44	15.64	39.36	144.89
16.46	15.36	38.69	138.50
16.48	14.97	38.46	137.91
16.50	14.55	38.24	137.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	14.20	38.69	136.17
16.54	13.94	39.57	136.17
16.56	13.65	39.79	135.59
16.58	13.40	39.79	133.26
16.60	13.18	38.68	133.26
16.62	13.09	38.23	134.42
16.64	13.09	37.34	138.50
16.66	13.06	37.34	138.50
16.68	13.04	37.12	139.66
16.70	13.03	36.67	142.56
16.72	12.98	35.78	141.40
16.74	12.92	34.89	140.82
16.76	12.78	34.67	137.33
16.78	12.64	34.45	135.59
16.80	12.59	34.45	136.75
16.82	12.66	34.89	140.24
16.84	12.70	35.11	139.66
16.86	12.66	34.89	139.66
16.88	12.59	36.00	137.33
16.90	12.57	36.89	137.91
16.92	12.81	37.11	147.21
16.94	13.25	38.24	148.38
16.96	13.98	38.24	152.45
16.98	14.86	40.47	160.00
17.00	15.63	41.13	160.00
17.02	16.19	40.02	157.10
17.04	16.64	41.80	156.52
17.06	17.00	42.91	156.52
17.08	17.19	45.35	147.80
17.10	17.22	46.69	148.96
17.12	17.06	46.46	147.80
17.14	16.62	46.02	144.89
17.16	16.01	48.90	141.40
17.18	15.40	48.46	142.56
17.20	14.96	47.35	136.75
17.22	14.91	46.01	150.12
17.24	15.08	44.45	152.45
17.26	15.25	41.57	151.87
17.28	15.15	40.01	146.05
17.30	14.83	38.45	142.56
17.32	14.42	39.56	139.08
17.34	14.01	40.90	134.42
17.36	13.69	42.01	131.52
17.38	13.54	43.56	135.00
17.40	13.46	44.00	137.33
17.42	13.39	44.45	139.08
17.44	13.36	44.89	140.82
17.46	13.29	43.11	139.08
17.48	13.21	42.00	140.82
17.50	13.24	41.11	144.89

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	13.30	40.89	146.05
17.54	13.27	40.44	144.31
17.56	13.20	39.99	143.73
17.58	13.17	39.99	143.73
17.60	13.08	39.55	141.40
17.62	12.94	40.43	139.66
17.64	12.82	39.99	139.08
17.66	12.84	40.66	141.40
17.68	12.99	39.99	147.80
17.70	13.39	39.10	155.36
17.72	13.82	37.32	157.68
17.74	14.25	35.99	158.84
17.76	14.73	34.43	161.75
17.78	15.40	35.77	165.24
17.80	15.85	34.88	161.17
17.82	15.56	34.43	146.05
17.84	15.04	35.99	138.50
17.86	14.83	37.32	151.29
17.88	15.10	36.65	153.61
17.90	15.67	37.10	154.78
17.92	16.29	41.10	161.17
17.94	17.05	38.46	155.36
17.96	17.49	36.02	146.63
17.98	17.74	34.46	148.38
18.00	17.96	32.46	150.70
18.02	17.72	34.24	149.54
18.04	17.49	38.69	150.12
18.06	17.49	37.35	150.70
18.08	17.40	38.24	150.70
18.10	17.21	40.02	146.63
18.12	16.90	42.24	148.96
18.14	16.33	44.90	143.15
18.16	15.52	46.68	136.75
18.18	14.55	50.90	128.03
18.20	13.70	50.23	122.21
18.22	13.14	50.45	123.38
18.24	12.74	49.56	125.70
18.26	12.62	47.12	135.00
18.28	12.70	44.45	136.75
18.30	13.04	42.22	148.96
18.32	13.36	38.67	152.45
18.34	13.56	34.67	150.70
18.36	13.22	32.22	138.50
18.38	12.71	30.22	130.35
18.40	12.38	28.89	132.68
18.42	12.14	26.89	130.35
18.44	11.86	24.89	128.61
18.46	11.35	24.66	119.30
18.48	10.86	25.11	118.72
18.50	10.63	26.00	128.03

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	10.62	25.11	130.93
18.54	10.58	24.44	134.42
18.56	10.65	24.44	138.50
18.58	10.87	23.11	144.31
18.60	11.21	22.22	149.54
18.62	11.67	22.45	156.52
18.64	12.39	23.56	157.68
18.66	13.23	24.45	163.50
18.68	14.21	25.78	166.40
18.70	15.11	27.12	165.24
18.72	15.79	27.56	164.08
18.74	16.24	29.56	162.33
18.76	16.85	32.01	160.59
18.78	17.33	35.79	158.26
18.80	17.57	40.45	160.59
18.82	17.71	44.45	155.36
18.84	17.93	48.46	164.08
18.86	18.39	52.68	169.89
18.88	18.61	55.34	162.91
18.90	18.41	57.59	161.75
18.92	18.29	56.92	159.42
18.94	18.04	56.48	161.17
18.96	17.87	55.14	162.91
18.98	17.70	53.81	160.59
19.00	17.45	52.03	154.78
19.02	16.94	51.58	146.63
19.04	16.34	52.25	152.45
19.06	15.83	53.14	155.94
19.08	15.57	52.91	154.19
19.10	15.40	52.03	155.36
19.12	14.87	53.14	151.29
19.14	14.44	50.91	148.96
19.16	13.97	49.58	144.31
19.18	13.78	47.80	153.61
19.20	13.69	44.91	152.45
19.22	13.76	43.13	158.26
19.24	14.26	41.13	165.82
19.26	15.02	38.46	167.57
19.28	16.14	37.13	163.50
19.30	17.56	37.35	168.15
19.32	18.94	36.69	173.96
19.34	19.07	36.24	169.31
19.36	17.86	39.57	155.94
19.38	16.48	44.02	136.75
19.40	15.16	47.13	132.68
19.42	14.38	49.13	137.91
19.44	13.90	51.79	144.89
19.46	13.71	52.68	147.21
19.48	13.55	48.02	148.96
19.50	13.46	42.01	147.21

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	13.52	38.01	159.42
19.54	13.45	34.90	158.84
19.56	13.51	33.12	161.17
19.58	13.78	30.67	165.24
19.60	14.01	28.23	162.33
19.62	14.44	27.12	166.40
19.64	15.08	27.56	174.54
19.66	15.73	30.90	180.94
19.68	16.29	36.01	176.87
19.70	16.22	29.79	168.15
19.72	15.64	30.01	161.17
19.74	15.38	30.90	163.50
19.76	15.26	30.90	164.66
19.78	15.13	32.45	170.47
19.80	15.03	32.68	165.82
19.82	14.99	32.67	162.33
19.84	14.74	34.90	162.91
19.86	14.68	37.56	161.75
19.88	14.79	38.23	175.12
19.90	15.05	33.60	168.73
19.92	14.79	33.60	177.45
19.94	14.39	30.27	162.33
19.96	13.74	31.16	171.05
19.98	12.92	32.27	171.05
20.00	12.41	30.71	169.89
20.02	11.91	30.71	168.73
20.04	11.62	28.93	166.40
20.06	11.76	27.38	173.38
20.08	11.68	25.15	163.50
20.10	11.80	24.04	173.96
20.12	12.08	23.15	169.31
20.14	12.58	22.26	172.22
20.16	13.12	21.15	172.22
20.18	13.77	20.71	168.15
20.20	14.43	20.26	182.10
20.22	13.77	22.71	165.24
20.24	13.24	24.93	172.80
20.26	13.18	26.49	164.66
20.28	14.21	27.60	185.59
20.30	15.46	26.93	179.20
20.32	16.96	28.04	186.75
20.34	18.39	29.60	182.10
20.36	19.48	32.49	175.70
20.38	20.50	37.38	187.33
20.40	21.03	40.04	180.94
20.42	21.29	41.60	175.70
20.44	21.28	46.71	178.03
20.46	20.91	50.71	174.54
20.48	20.53	57.60	176.87
20.50	20.19	64.04	169.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	20.51	70.04	180.94
20.54	20.74	72.70	180.36
20.56	20.94	73.59	180.94
20.58	21.46	71.15	180.94
20.60	21.65	67.81	179.78
20.62	21.29	66.70	178.03
20.64	20.72	68.25	167.57
20.66	20.36	70.69	176.29
20.68	20.18	70.24	161.17
20.70	20.31	74.91	180.36
20.72	19.92	74.23	170.47
20.74	19.46	70.45	164.08
20.76	18.71	68.01	164.66
20.78	17.53	68.22	154.78
20.80	16.53	68.67	144.31
20.82	15.07	70.67	143.73
20.84	13.93	70.44	148.96
20.86	12.79	68.89	155.94
20.88	12.28	62.66	146.05
20.90	11.71	50.96	230.36
20.92	12.15	42.96	179.20
20.94	12.43	38.74	185.59
20.96	12.56	35.85	183.26
20.98	12.59	33.18	172.22
21.00	12.29	34.29	169.31
21.02	11.91	33.62	174.54
21.04	11.70	32.51	178.61
21.06	11.28	32.07	170.47
21.08	11.74	30.73	187.91
21.10	11.93	29.84	193.15
21.12	12.31	28.06	178.61
21.14	13.24	25.62	183.26
21.16	13.61	24.73	189.66
21.18	13.08	26.28	164.66
21.20	12.58	28.73	182.10
21.22	12.78	26.28	179.20
21.24	12.82	26.51	169.31
21.26	13.61	28.28	195.48
21.28	13.92	28.28	196.64
21.30	14.03	25.84	186.75
21.32	13.32	28.95	190.24
21.34	12.83	33.39	168.15
21.36	12.07	36.05	163.50
21.38	11.51	37.39	159.42
21.40	11.47	38.06	191.40
21.42	11.10	37.61	175.70
21.44	11.31	35.17	171.05
21.46	11.37	34.72	172.22
21.48	11.61	34.50	191.40
21.50	12.33	31.38	187.91

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 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	12.84	31.38	200.70
21.54	13.31	29.83	190.24
21.56	12.95	31.16	165.24
21.58	12.48	32.28	159.42
21.60	13.02	30.94	183.85
21.62	12.42	30.28	164.08
21.64	12.17	30.95	148.38
21.66	11.87	33.84	175.70
21.68	11.80	32.07	164.66
21.70	11.96	30.74	185.59
21.72	11.39	30.96	157.10
21.74	11.57	29.63	198.38
21.76	10.79	29.63	194.89
21.78	9.83	28.52	190.24
21.80	9.28	27.41	204.78
21.82	9.65	25.85	185.01
21.84	9.72	25.18	201.87
21.86	9.76	23.85	186.75
21.88	7.57	27.41	191.99
21.90	9.67	24.97	180.36
21.92	9.91	25.86	189.08
21.94	10.08	28.31	197.80
21.96	10.37	30.08	195.48
21.98	10.56	32.75	200.12
22.00	10.30	35.86	193.15
22.02	10.15	38.30	184.43
22.04	10.10	41.19	179.20
22.06	10.38	39.41	186.17
22.08	10.52	37.41	201.29
22.10	10.56	36.75	203.03
22.12	10.75	34.97	180.94
22.14	11.18	34.97	194.89
22.16	10.99	37.41	195.48
22.18	10.62	37.41	180.94
22.20	10.26	39.19	201.87
22.22	9.87	38.52	176.87
22.24	10.26	37.63	183.85
22.26	11.05	38.30	190.24
22.28	12.20	38.30	191.99
22.30	13.37	38.52	202.45
22.32	14.44	35.85	196.06
22.34	14.68	35.63	191.99
22.36	14.63	38.29	205.36
22.38	14.20	42.07	200.70
22.40	13.46	48.29	175.70
22.42	13.20	53.85	194.89
22.44	12.76	56.95	193.15
22.46	12.85	58.95	196.06
22.48	12.70	56.95	194.89
22.50	12.43	54.28	172.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	12.06	49.84	180.36
22.54	12.16	44.50	197.80
22.56	12.22	39.83	192.57
22.58	12.10	36.72	201.29
22.60	11.63	33.61	187.33
22.62	11.70	32.28	187.91
22.64	12.26	29.61	193.73
22.66	12.88	27.61	194.31
22.68	13.29	27.61	205.94
22.70	13.32	25.61	197.22
22.72	13.31	22.72	191.40
22.74	13.63	23.83	201.87
22.76	14.56	24.50	202.45
22.78	15.79	25.61	198.96
22.80	17.16	24.50	198.38
22.82	18.28	24.05	201.87
22.84	18.99	20.27	198.96
22.86	15.53	27.18	211.17
22.88	19.63	22.07	196.64
22.90	20.09	23.40	204.20
22.92	20.46	23.63	200.12
22.94	20.09	25.18	204.78
22.96	19.57	27.63	198.38
22.98	19.04	31.85	200.70
23.00	18.86	32.29	194.89
23.02	18.83	34.29	196.64
23.04	18.67	37.62	189.66
23.06	17.89	39.62	196.06
23.08	17.04	37.39	189.66
23.10	16.08	38.50	183.26
23.12	15.22	37.61	183.85
23.14	14.86	36.05	193.73
23.16	15.04	34.94	197.22
23.18	15.76	35.82	200.12
23.20	16.66	31.15	200.70
23.22	17.17	27.37	204.78
23.24	17.02	26.26	201.29
23.26	16.85	27.37	197.80
23.28	15.90	32.70	188.50
23.30	15.16	31.81	185.01
23.32	14.64	28.48	192.57
23.34	14.45	27.37	190.82
23.36	14.49	22.70	190.24
23.38	14.39	20.70	191.99
23.40	14.04	20.03	182.10
23.42	13.41	22.70	171.05
23.44	12.33	23.36	165.82
23.46	11.43	22.69	161.75
23.48	10.92	22.25	180.94
23.50	10.56	20.92	185.01

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	10.46	19.58	179.20
23.54	10.36	20.25	185.59
23.56	10.32	20.69	186.75
23.58	10.11	22.25	177.45
23.60	9.99	25.14	182.10
23.62	9.94	28.25	179.20
23.64	9.98	30.92	189.08
23.66	9.81	34.69	191.99
23.68	9.64	37.14	193.73
23.70	9.57	39.14	189.66
23.72	9.76	39.81	198.96
23.74	9.94	38.03	188.50
23.76	9.88	37.58	199.54
23.78	9.80	37.14	201.29
23.80	9.86	36.03	196.06
23.82	10.17	35.59	202.45
23.84	10.51	34.47	197.22
23.86	10.92	35.14	202.45
23.88	11.02	34.94	235.59
23.90	11.16	34.28	208.85
23.92	11.20	34.95	207.69
23.94	11.08	36.06	204.78
23.96	10.79	37.17	197.22
23.98	10.51	37.61	196.06
24.00	10.30	37.17	188.50
24.02	10.12	38.06	200.70
24.04	10.12	36.73	189.08
24.06	9.97	36.06	186.75
24.08	9.67	36.94	187.33
24.10	9.87	36.06	214.66
24.12	10.03	33.84	212.33
24.14	9.97	32.28	198.96
24.16	9.84	32.73	201.87
24.18	9.70	30.95	184.43
24.20	9.82	30.06	197.22
24.22	10.03	28.73	207.69
24.24	9.78	29.39	190.82
24.26	9.65	29.39	192.57
24.28	9.79	28.51	196.06
24.30	9.81	28.51	194.31
24.32	9.93	28.95	215.24
24.34	10.20	27.62	210.59
24.36	10.37	26.95	216.40
24.38	10.51	25.84	215.24
24.40	10.49	26.28	201.29
24.42	10.42	27.39	203.61
24.44	10.42	27.40	207.69
24.46	10.31	28.06	214.66
24.48	10.15	28.06	197.22
24.50	10.24	28.06	196.64

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 Cantiere SOVRAPASSO 116  
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Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	10.25	28.73	216.99
24.54	9.95	28.95	201.29
24.56	10.12	28.73	210.01
24.58	9.95	29.39	197.22
24.60	9.91	31.17	221.64
24.62	9.83	30.28	197.22
24.64	9.77	31.17	210.59
24.66	9.97	29.84	215.24
24.68	9.70	30.28	201.29
24.70	9.72	30.73	219.31
24.72	9.91	29.39	208.27
24.74	10.02	29.84	223.38
24.76	10.03	28.95	203.61
24.78	10.33	28.51	212.33
24.80	10.42	29.39	222.80
24.82	10.47	28.95	215.24
24.84	10.38	29.84	204.20
24.86	10.63	30.11	221.64
24.88	10.81	29.00	201.87
24.90	10.87	29.44	215.82
24.92	10.75	29.88	219.31
24.94	10.81	29.66	222.22
24.96	10.80	30.33	223.38
24.98	10.70	31.88	210.59
25.00	10.81	33.44	217.57
25.02	10.95	33.88	212.92
25.04	11.21	34.32	230.36
25.06	11.23	34.99	218.73
25.08	11.61	35.21	223.96
25.10	11.87	35.87	215.82
25.12	12.37	37.20	226.29
25.14	12.75	38.31	214.66
25.16	13.20	39.87	216.40
25.18	13.35	42.09	225.13
25.20	13.23	44.09	215.24
25.22	13.07	47.19	215.82
25.24	12.95	49.86	215.82
25.26	12.96	52.75	217.57
25.28	13.06	54.52	218.73
25.30	13.30	55.63	217.57
25.32	13.33	56.97	222.80
25.34	13.34	56.96	216.99
25.36	13.31	56.07	221.64
25.38	13.24	56.07	219.90
25.40	13.07	57.18	219.90
25.42	13.00	58.29	218.73
25.44	12.88	59.40	216.99
25.46	12.62	60.51	206.52
25.48	12.53	62.51	219.31
25.50	12.47	63.17	215.24

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	12.37	66.28	221.64
25.54	12.46	67.61	225.13
25.56	12.53	66.94	210.01
25.58	12.36	69.83	219.31
25.60	9.82	31.81	330.95
25.62	10.97	33.59	349.55
25.64	12.68	36.92	401.30
25.66	14.82	41.15	450.14
25.68	16.74	46.92	440.26
25.70	16.79	54.26	336.76
25.72	15.78	57.59	261.76
25.74	14.81	63.81	220.48
25.76	14.07	70.25	198.38
25.78	13.48	76.47	191.40
25.80	13.13	81.35	200.12
25.82	12.77	90.24	196.06
25.84	12.50	95.57	198.38
25.86	12.41	96.01	205.94
25.88	12.49	93.56	215.82
25.90	12.63	92.01	229.20
25.92	12.78	92.45	232.69
25.94	12.95	90.67	241.40
25.96	13.02	88.89	240.82
25.98	13.15	88.44	243.73
26.00	13.40	90.22	253.03
26.02	15.81	77.12	201.87
26.04	15.35	83.34	173.38
26.06	15.44	91.34	186.75
26.08	15.25	97.56	194.31
26.10	15.07	102.89	204.78
26.12	14.95	104.45	219.31
26.14	15.03	104.45	239.66
26.16	15.10	101.78	247.22
26.18	15.18	93.99	255.36
26.20	15.28	88.88	264.08
26.22	15.48	87.77	271.64
26.24	15.70	84.66	278.04
26.26	15.93	81.77	285.01
26.28	15.85	79.10	279.20
26.30	15.57	78.43	269.31
26.32	15.18	77.10	258.27
26.34	14.83	75.32	250.13
26.36	14.53	75.09	247.80
26.38	14.34	74.65	245.48
26.40	14.07	73.76	241.99
26.42	13.79	71.76	237.92
26.44	13.63	69.76	238.50
26.46	13.59	67.31	243.73
26.48	13.55	65.76	243.73
26.50	13.16	63.09	228.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	12.57	61.31	208.27
26.54	12.06	59.53	198.96
26.56	11.60	58.86	192.57
26.58	11.23	57.97	188.50
26.60	10.76	56.64	180.94
26.62	10.15	53.75	167.57
26.64	9.32	50.42	148.38
26.66	8.20	49.31	123.38
26.68	7.18	48.20	111.17
26.70	6.63	47.08	121.05
26.72	6.60	50.42	151.87
26.74	6.75	50.42	182.68
26.76	7.04	50.42	195.48
26.78	7.43	53.75	207.10
26.80	8.00	53.31	228.03
26.82	9.05	55.53	258.27
26.84	10.38	61.31	281.52
26.86	11.36	64.42	280.36
26.88	11.96	63.31	278.62
26.90	12.32	59.09	271.06
26.92	12.42	57.54	254.20
26.94	12.51	57.54	253.03
26.96	12.50	56.87	248.39
26.98	11.62	53.16	288.50
27.00	11.49	54.05	245.48
27.02	11.22	63.83	237.92
27.04	11.04	72.28	237.34
27.06	10.98	67.61	238.50
27.08	10.93	63.83	240.82
27.10	10.95	60.94	241.40
27.12	10.91	58.94	243.73
27.14	10.74	54.50	237.34
27.16	10.45	49.83	235.59
27.18	10.04	46.71	229.78
27.20	9.40	42.94	215.82
27.22	8.76	39.16	205.36
27.24	8.13	35.15	197.22
27.26	7.54	32.49	189.66
27.28	7.01	29.82	182.10
27.30	6.38	28.49	170.47
27.32	5.67	27.38	159.42
27.34	5.10	26.27	152.45
27.36	4.58	25.82	149.54
27.38	3.94	26.26	133.26
27.40	3.35	27.60	116.40
27.42	2.87	28.71	117.56
27.44	2.54	28.49	126.29
27.46	2.30	29.82	140.24
27.48	2.21	31.82	158.26
27.50	2.12	29.38	133.26

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Falda **2.70 ml**

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	1.88	26.04	67.56
27.54	1.54	21.60	36.16
27.56	1.32	20.94	37.32
27.58	1.23	22.05	87.91
27.60	1.34	23.83	194.89
27.62	1.68	28.05	340.25
27.64	3.38	35.83	518.17
27.66	5.79	38.05	465.26
27.68	7.85	38.28	386.18
27.70	9.97	38.50	363.50
27.72	11.77	34.95	371.65
27.74	13.24	33.62	373.39
27.76	14.38	35.17	372.23
27.78	15.16	38.51	365.83
27.80	15.67	40.73	356.53
27.82	15.74	47.40	340.25
27.84	15.53	58.51	324.55
27.86	15.02	70.28	294.32
27.88	14.56	81.40	278.04
27.90	13.96	92.73	268.15
27.92	13.31	101.39	255.94
27.94	12.66	105.84	246.64
27.96	12.05	108.06	235.59
27.98	11.42	104.53	278.04
28.00	11.63	104.53	288.50
28.02	12.17	105.87	308.27
28.04	12.79	94.98	318.74
28.06	12.94	80.53	305.95
28.08	12.78	75.19	290.25
28.10	12.60	73.63	282.69
28.12	12.10	75.41	261.18
28.14	11.63	80.52	251.29
28.16	11.28	86.52	250.71
28.18	11.14	93.85	260.01
28.20	10.99	93.40	260.60
28.22	10.65	89.18	249.55
28.24	10.22	85.18	241.40
28.26	9.67	80.06	230.94
28.28	9.21	74.95	229.78
28.30	8.89	72.50	228.03
28.32	8.65	68.28	229.78
28.34	8.25	65.61	225.13
28.36	8.05	65.61	228.61
28.38	8.20	63.83	248.39
28.40	8.58	60.94	255.36
28.42	8.98	59.38	258.27
28.44	9.51	59.16	266.41
28.46	10.16	59.38	276.29
28.48	10.61	58.27	271.06
28.50	10.90	58.49	265.25

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	11.01	59.60	258.85
28.54	10.98	63.16	256.52
28.56	11.04	68.93	261.18
28.58	11.12	75.15	262.34
28.60	11.13	81.82	259.43
28.62	11.10	86.49	258.85
28.64	11.07	91.15	258.27
28.66	10.97	96.49	256.52
28.68	10.83	103.82	252.45
28.70	10.61	107.59	246.64
28.72	10.38	110.04	245.48
28.74	10.28	111.81	247.80
28.76	10.17	110.48	248.39
28.78	9.98	110.92	247.22
28.80	9.95	109.81	247.80
28.82	9.95	107.14	248.97
28.84	9.95	104.69	248.97
28.86	9.93	104.25	248.39
28.88	10.00	104.25	251.29
28.90	10.08	102.47	251.87
28.92	10.13	101.80	247.80
28.94	12.20	68.02	303.62
28.96	11.85	74.69	266.99
28.98	11.77	81.80	269.31
29.00	11.74	88.46	275.71
29.02	11.75	94.02	284.43
29.04	11.79	102.02	296.06
29.06	11.81	110.46	305.36
29.08	11.81	116.46	312.34
29.10	11.83	119.12	318.74
29.12	11.81	121.57	319.90
29.14	11.74	122.90	318.16
29.16	11.62	122.67	315.83
29.18	11.55	122.67	311.18
29.20	11.50	121.78	312.92
29.22	11.57	122.00	318.74
29.24	11.67	121.78	323.39
29.26	11.73	119.78	322.22
29.28	11.60	118.22	311.76
29.30	11.37	116.00	298.97
29.32	10.78	114.88	268.15
29.34	9.08	111.55	187.33
29.36	7.66	110.43	151.87
29.38	6.59	105.99	146.05
29.40	5.48	98.88	128.61
29.42	4.57	93.54	125.12
29.44	3.90	84.66	132.10
29.46	3.51	77.32	153.03
29.48	3.29	70.66	173.38
29.50	3.19	66.88	186.17

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	3.77	69.32	246.64
29.54	4.94	69.99	285.60
29.56	6.33	67.32	311.18
29.58	7.92	67.99	304.78
29.60	9.73	66.66	311.76
29.62	11.42	63.99	336.76
29.64	13.10	60.66	373.97
29.66	14.62	60.00	399.56
29.68	15.90	62.67	438.51
29.70	16.96	66.67	464.68
29.72	17.95	70.67	481.54
29.74	18.26	75.12	450.14
29.76	19.16	76.23	439.68
29.78	19.77	78.01	448.40
29.80	20.19	81.56	450.72
29.82	20.55	84.68	447.23
29.84	20.85	87.34	444.32
29.86	21.15	92.23	443.74
29.88	21.51	95.78	446.07
29.90	21.83	98.45	444.32
29.92	21.55	107.16	271.64
29.94	21.72	107.60	263.50
29.96	21.87	109.60	296.06
29.98	22.17	110.93	326.30
30.00	22.57	113.37	347.23
30.02	23.34	115.81	371.65
30.04	24.16	119.37	386.76
30.06	25.19	121.36	400.14
30.08	26.20	123.80	400.72
30.10	27.01	124.46	380.95
30.12	27.46	123.35	349.55
30.14	27.89	125.57	344.32
30.16	28.11	130.01	338.50
30.18	28.17	132.45	328.04
30.20	28.22	137.56	335.02
30.22	28.25	141.55	327.46
30.24	28.17	142.22	324.55
30.26	27.81	139.32	311.18
30.28	27.34	139.32	299.55
30.30	26.68	141.32	288.50
30.32	26.09	140.65	279.78
30.34	25.40	142.42	272.22
30.36	24.64	141.08	265.25
30.38	23.89	139.74	252.45
30.40	23.39	137.29	253.03
30.42	22.71	133.29	240.82
30.44	22.21	129.51	236.76
30.46	21.60	126.62	230.94
30.48	21.35	122.84	238.50
30.50	20.79	119.72	238.50

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Committente **AUTOBRENNERO SPA**  
 Località **VIA SACCA - PEGOGNAGA**  
 Cantiere **SOVRAPASSO 116**  
 Data **26\06\12**  
 Preforo **0.50 m. p.c.**

Falda **2.70 ml**

Prova **2**  
 Cert. N. **359/2012**  
 Emesso il **26/06/2012**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
30.52	20.33	114.83	231.52
30.54	19.68	111.50	228.03
30.56	19.08	108.39	226.29
30.58	18.44	103.72	225.71
30.60	17.70	99.50	226.29
30.62	16.67	95.72	218.15
30.64	15.31	91.94	202.45
30.66	14.22	89.50	220.48
30.68	12.53	85.94	184.43
30.70	11.39	82.83	216.40
30.72	10.13	82.61	207.10
30.74	9.13	82.61	199.54
30.76	9.05	76.17	255.36
30.78	8.65	67.51	252.45
30.80	7.67	66.84	197.22
30.82	7.51	61.52	185.59
30.84	7.63	54.18	225.71
30.86	7.52	49.74	220.48
30.88	7.43	47.74	221.06
30.90	9.64	45.52	239.08
30.92	9.44	49.30	245.48
30.94	9.42	49.08	254.20
30.96	9.44	45.96	254.78
30.98	9.54	45.74	263.50
31.00	9.65	44.85	267.57
31.02	9.80	44.85	268.73
31.04	10.03	45.74	271.06
31.06	10.34	46.41	271.64
31.08	10.77	47.08	276.29
31.10	11.37	45.97	278.62
31.12	12.11	45.97	282.10
31.14	12.86	47.31	283.85
31.16	13.83	49.31	282.69
31.18	14.49	50.64	278.04
31.20	14.78	53.09	277.46
31.22	14.90	57.76	276.29
31.24	15.12	62.43	276.88
31.26	15.36	67.76	276.88
31.28	15.45	72.20	275.71
31.30	15.19	73.76	270.48
31.32	14.56	73.54	263.50
31.34	13.92	71.76	259.43
31.36	13.22	70.20	255.36
31.38	12.51	67.98	251.87
31.40	11.71	62.65	241.40
31.42	10.68	58.87	225.71
31.44	9.62	54.20	214.66
31.46	8.64	49.32	208.27
31.48	7.50	44.20	189.66
31.50	6.36	40.65	182.10

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
31.52	5.33	40.87	186.75
31.54	4.52	37.54	189.08
31.56	3.96	34.21	196.06
31.58	3.48	32.65	210.01
31.60	3.19	31.32	215.24
31.62	3.12	26.88	224.55
31.64	3.18	22.44	240.24
31.66	3.50	19.99	269.90
31.68	4.12	18.44	280.36
31.70	5.05	18.67	280.94
31.72	6.28	20.22	280.36
31.74	7.63	24.00	280.94
31.76	8.46	31.12	274.55
31.78	8.81	37.34	271.64
31.80	8.96	42.01	269.90
31.82	9.20	46.01	273.39
31.84	9.50	48.90	276.88
31.86	9.81	50.24	277.46
31.88	9.97	47.18	280.36
31.90	10.25	45.40	278.62
31.92	10.41	44.52	277.46
31.94	10.57	44.07	276.88
31.96	10.79	43.63	276.88
31.98	11.02	44.07	276.88
32.00	11.29	44.96	280.94
32.02	11.57	46.52	281.52
32.04	11.83	48.29	282.10
32.06	12.36	49.85	282.69
32.08	13.02	52.74	283.27
32.10	13.62	54.29	282.10
32.12	14.12	56.51	279.78
32.14	14.52	58.95	282.10
32.16	14.71	61.40	278.62
32.18	14.60	63.84	277.46
32.20	14.36	67.62	280.36
32.22	13.83	70.51	278.04
32.24	13.15	72.95	274.55
32.26	12.54	75.61	274.55
32.28	12.04	77.39	272.80
32.30	11.58	76.27	275.71
32.32	11.26	73.60	280.36
32.34	11.00	71.38	275.13
32.36	10.90	70.04	276.29
32.38	11.04	68.93	279.78
32.40	11.33	68.70	282.10
32.42	11.76	69.15	283.27
32.44	12.14	71.59	282.69
32.46	12.29	73.59	281.52
32.48	12.22	73.14	281.52
32.50	12.03	72.70	279.78

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
32.52	11.80	72.92	280.94
32.54	11.62	72.69	280.36
32.56	11.50	72.69	279.78
32.58	11.32	71.81	279.78
32.60	11.22	71.36	281.52
32.62	11.31	71.36	282.69
32.64	11.42	70.47	282.69
32.66	11.46	69.80	284.43
32.68	11.39	69.80	281.52
32.70	11.41	69.36	283.27
32.72	11.36	68.69	282.10
32.74	11.11	67.58	278.62
32.76	10.82	68.02	278.04
32.78	10.48	67.58	275.13
32.80	10.16	67.58	275.13
32.82	10.01	67.80	276.88
32.84	9.96	66.91	279.20
32.86	9.94	66.46	281.52
32.88	9.96	65.80	282.10
32.90	10.12	62.06	289.67
32.92	10.24	61.84	284.43
32.94	10.63	61.84	290.83
32.96	11.05	64.06	291.99
32.98	11.57	65.62	289.67
33.00	11.59	64.06	278.62
33.02	11.44	63.17	291.41
33.04	11.37	64.06	285.01
33.06	10.98	67.83	296.06
33.08	10.42	71.61	265.25
33.10	10.17	75.16	271.64
33.12	9.64	80.94	269.90
33.14	9.71	80.28	283.85
33.16	9.89	76.50	289.67
33.18	9.95	73.61	296.06
33.20	10.01	68.05	290.25
33.22	9.88	64.05	287.92
33.24	9.87	60.71	285.01
33.26	10.17	56.94	297.80
33.28	10.28	54.27	286.76
33.30	10.45	52.93	291.99
33.32	10.53	52.27	287.34
33.34	10.65	51.82	289.67
33.36	10.78	52.04	290.25
33.38	11.10	51.82	292.57
33.40	11.44	52.27	294.32
33.42	11.87	52.27	294.90
33.44	12.21	51.82	289.67
33.46	12.36	52.27	293.73
33.48	12.35	53.82	296.06
33.50	12.18	55.37	291.41

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
33.52	11.87	58.26	291.41
33.54	11.73	60.04	289.09
33.56	11.56	61.37	288.50
33.58	11.45	62.49	293.73
33.60	11.27	62.48	294.32
33.62	10.91	62.70	291.41
33.64	10.55	62.93	286.76
33.66	10.05	62.48	291.41
33.68	9.63	62.03	290.25
33.70	8.96	64.48	285.01
33.72	9.08	61.37	282.10
33.74	8.85	62.03	288.50
33.76	9.18	58.03	305.36
33.78	8.97	55.81	285.60
33.80	9.30	50.70	306.53
33.82	8.74	50.47	253.03
33.84	8.82	48.92	274.55
33.86	8.46	48.52	294.90
33.88	8.22	50.52	290.83
33.90	8.21	51.85	278.62
33.92	9.13	49.63	315.25
33.94	9.40	49.85	295.48
33.96	10.22	48.96	328.62
33.98	10.38	48.52	273.97
34.00	10.63	49.18	279.78
34.02	10.75	52.07	307.69
34.04	11.10	53.40	303.04
34.06	10.96	57.85	312.34
34.08	10.62	60.73	276.29
34.10	10.57	63.40	296.64
34.12	10.78	61.62	286.76
34.14	10.57	62.73	286.18
34.16	10.79	60.51	272.80
34.18	10.79	58.95	270.48
34.20	11.11	55.62	303.62
34.22	10.50	58.06	272.22
34.24	10.29	60.72	310.01
34.26	10.42	59.39	302.46
34.28	10.47	60.72	324.55
34.30	10.07	63.17	300.71
34.32	10.86	59.17	330.37
34.34	10.72	58.05	301.88
34.36	11.00	56.05	282.10
34.38	11.10	55.39	289.09
34.40	10.97	55.83	289.09
34.42	10.85	57.16	291.41
34.44	10.96	59.61	306.53
34.46	10.81	62.05	292.57
34.48	11.00	61.83	318.16
34.50	10.56	63.82	281.52

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
34.52	10.73	63.16	319.90
34.54	10.76	60.27	297.80
34.56	11.01	59.15	318.74
34.58	10.78	61.82	280.94
34.60	11.13	62.93	288.50
34.62	11.79	60.93	298.97
34.64	11.94	60.70	286.76
34.66	12.12	61.82	310.01
34.68	12.63	60.48	313.50
34.70	12.34	63.15	303.62
34.72	12.51	62.70	312.34
34.74	12.53	64.48	310.01
34.76	12.56	67.37	307.11
34.78	12.54	68.70	312.92
34.80	12.58	68.26	319.90
34.82	12.58	68.25	307.69
34.84	12.12	75.18	294.90
34.86	12.30	76.51	286.18
34.88	12.74	72.73	280.94
34.90	12.36	73.62	282.10
34.92	12.50	71.18	340.25
34.94	12.16	73.62	295.48
34.96	11.80	78.51	282.69
34.98	11.59	80.28	270.48
35.00	12.09	76.50	289.67
35.02	11.92	78.94	301.30
35.04	12.70	77.17	317.58
35.06	12.49	79.83	280.36
35.08	12.83	77.16	283.85
35.10	13.14	75.16	268.73
35.12	16.84	50.49	501.89
35.14	18.03	55.15	420.49
35.16	17.27	60.71	360.02
35.18	16.41	71.15	343.16
35.20	15.58	82.93	332.69
35.22	14.96	92.26	322.80
35.24	14.28	100.48	309.43
35.26	13.77	107.58	306.53
35.28	13.37	114.03	302.46
35.30	13.10	113.13	306.53
35.32	12.74	104.46	303.04
35.34	12.44	96.46	298.97
35.36	12.32	91.12	305.95
35.38	12.28	84.01	309.43
35.40	12.14	77.56	304.20
35.42	11.98	74.67	299.55
35.44	11.84	72.89	295.48
35.46	11.69	71.78	298.97
35.48	11.47	70.67	295.48
35.50	11.31	70.67	293.15

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
35.52	11.12	72.45	295.48
35.54	11.08	71.78	301.30
35.56	10.88	70.22	290.25
35.58	10.98	68.67	310.01
35.60	11.07	66.89	301.88
35.62	11.00	66.23	294.90
35.64	11.26	64.23	307.11
35.66	11.20	64.90	293.15
35.68	11.68	64.45	323.97
35.70	11.92	65.12	316.99
35.72	12.43	64.23	304.20
35.74	12.75	65.79	303.62
35.76	13.50	64.23	308.27
35.78	13.69	64.45	318.74
35.80	13.93	65.57	313.50
35.82	14.19	68.90	313.50
35.84	14.54	72.46	316.99
35.86	14.18	78.90	262.34
35.88	18.51	85.80	298.39
35.90	18.40	93.36	304.78
35.92	18.28	100.03	311.76
35.94	17.86	104.47	317.58
35.96	17.14	110.46	312.34
35.98	16.40	116.91	313.50
36.00	16.00	120.46	322.22
36.02	15.94	119.57	330.95
36.04	16.16	118.90	336.76
36.06	16.30	117.34	335.02
36.08	16.29	111.12	330.95
36.10	16.22	100.01	329.79
36.12	16.07	92.67	325.13
36.14	15.90	88.44	322.22
36.16	15.78	84.89	323.97
36.18	15.50	82.44	318.16
36.20	15.16	80.88	314.09
36.22	14.80	79.99	312.92
36.24	14.59	79.77	315.83
36.26	14.58	79.77	323.39
36.28	14.64	79.77	326.30
36.30	14.54	75.32	321.64
36.32	14.37	72.88	321.06
36.34	14.30	70.21	321.06
36.36	14.22	68.65	318.16
36.38	14.23	67.54	321.64
36.40	14.13	68.20	316.41
36.42	13.76	71.31	294.32
36.44	13.99	70.65	314.67
36.46	14.30	70.65	327.46
36.48	14.70	69.98	335.60
36.50	15.22	69.98	343.74



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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
36.52	15.55	72.20	324.55
36.54	15.78	71.76	320.48
36.56	15.55	71.54	312.92
36.58	15.09	71.76	305.36
36.60	14.61	73.54	298.97
36.62	14.25	75.98	299.55
36.64	14.04	77.98	302.46
36.66	14.00	78.87	313.50
36.68	14.04	77.98	318.16
36.70	14.23	75.54	323.39
36.72	14.76	73.09	337.34
36.74	15.21	69.98	336.18
36.76	15.12	68.65	321.64
36.78	14.83	68.87	314.09
36.80	14.60	71.31	314.67
36.82	16.47	76.68	316.99
36.84	16.29	80.01	316.99
36.86	16.05	85.12	315.83
36.88	15.73	88.23	315.83
36.90	15.29	88.90	315.25
36.92	14.77	87.56	315.83
36.94	14.55	85.34	319.32
36.96	14.57	82.89	319.90
36.98	14.77	80.45	320.48
37.00	15.15	75.55	321.06
37.02	15.49	71.11	322.80
37.04	15.74	67.55	322.80
37.06	15.99	65.55	326.30
37.08	16.12	65.10	325.71
37.10	15.98	66.21	325.71
37.12	15.75	67.77	326.30
37.14	15.54	68.88	326.88
37.16	15.25	68.66	325.71
37.18	14.77	67.77	318.16
37.20	14.08	67.55	305.95
37.22	13.21	66.66	291.41
37.24	12.31	65.32	279.20
37.26	11.44	65.10	268.15
37.28	10.49	63.32	255.94
37.30	9.72	60.88	256.52
37.32	9.27	59.32	270.48
37.34	9.51	61.32	305.36
37.36	10.40	55.99	325.13
37.38	11.36	51.54	328.04
37.40	12.50	46.65	332.11
37.42	13.44	42.43	314.09
37.44	14.12	39.77	319.90
37.46	14.48	38.21	320.48
37.48	14.34	40.65	319.32
37.50	14.00	43.99	314.09

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
37.52	13.60	45.32	314.09
37.54	13.32	47.32	315.25
37.56	13.12	49.10	317.58
37.58	12.93	48.21	318.16
37.60	12.87	46.66	321.64
37.62	12.91	45.99	325.71
37.64	13.00	46.44	326.88
37.66	13.17	47.33	327.46
37.68	13.40	48.88	328.04
37.70	13.72	50.21	329.79
37.72	14.11	51.33	331.53
37.74	14.37	50.88	330.37
37.76	14.47	51.77	329.79
37.78	13.80	58.49	351.88
37.80	14.50	54.05	329.79
37.82	14.76	55.16	329.79
37.84	15.16	55.83	328.62
37.86	15.73	56.49	332.11
37.88	16.14	56.05	329.20
37.90	16.33	54.71	326.88
37.92	16.35	55.15	327.46
37.94	16.50	56.93	326.30
37.96	16.83	59.37	332.69
37.98	16.99	61.82	331.53
38.00	16.95	64.48	335.60
38.02	16.91	65.81	336.76
38.04	17.07	67.81	339.67
38.06	17.40	68.26	342.58
38.08	17.72	68.26	345.48
38.10	17.85	68.25	340.83
38.12	17.84	68.92	339.67
38.14	17.81	70.03	340.83
38.16	17.69	68.91	340.25
38.18	17.48	68.91	339.09
38.20	17.00	70.69	333.85
38.22	16.57	72.24	334.43
38.24	16.18	72.24	332.69
38.26	15.94	71.79	334.43
38.28	15.85	71.79	339.67
38.30	15.79	70.23	338.50
38.32	15.95	69.12	346.65
38.34	16.16	67.34	347.23
38.36	16.35	62.67	344.90
38.38	16.37	59.33	342.00
38.40	16.25	58.89	339.09
38.42	16.00	59.11	333.27
38.44	15.70	60.66	328.62
38.46	15.46	61.77	325.71
38.48	15.32	62.66	330.37
38.50	15.09	63.10	323.39

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
38.52	15.13	62.88	328.04
38.54	15.20	61.32	330.37
38.56	15.32	59.99	331.53
38.58	15.43	59.10	332.11
38.60	15.66	58.87	334.43
38.62	15.43	59.32	310.60
38.64	15.75	60.43	343.74
38.66	16.05	60.43	336.18
38.68	16.39	60.43	336.76
38.70	16.51	60.20	331.53
38.72	16.57	60.65	333.85
38.74	16.40	61.54	326.88
38.76	18.83	54.46	336.76
38.78	18.31	62.68	333.27
38.80	18.12	70.24	335.60
38.82	18.27	76.68	335.60
38.84	18.52	81.57	339.09
38.86	18.73	84.68	337.34
38.88	18.92	83.34	337.34
38.90	18.93	80.45	333.27
38.92	18.87	78.67	335.60
38.94	18.67	78.89	333.27
38.96	18.33	81.11	333.85
38.98	18.06	82.44	336.18
39.00	17.85	83.55	335.02
39.02	17.51	82.66	333.85
39.04	16.95	81.55	328.62
39.06	16.29	80.21	324.55
39.08	15.56	78.44	315.83
39.10	14.68	77.99	300.13
39.12	13.74	79.77	291.99
39.14	12.85	83.76	282.10
39.16	11.89	90.20	272.22
39.18	10.86	100.65	264.08
39.20	9.75	113.98	260.01
39.22	8.63	130.20	253.03
39.24	7.39	145.53	232.10
39.26	6.04	155.31	214.66
39.28	4.44	193.31	186.17
39.30	3.73	223.76	232.10
39.32	3.13	233.75	357.11
39.34	2.69	233.53	494.33
39.36	2.54	224.86	585.03
39.38	2.49	178.63	664.69
39.40	2.49	134.85	801.90
39.42	2.53	99.73	904.82
39.44	2.38	90.61	897.26
39.46	2.22	72.62	987.38
39.48	2.05	35.73	1098.43
39.50	1.90	21.51	1119.95

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Committente AUTOBRENNERO SPA  
 Località VIA SACCA - PEGOGNAGA  
 Cantiere SOVRAPASSO 116  
 Data 26\06\12  
 Preforo 0.50 m. p.c.

Falda 2.70 ml

Prova **2**  
 Cert. N. 359/2012  
 Emesso il 26/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
39.52	1.96	22.62	1170.53
39.54	2.04	20.63	1175.76
39.56	2.02	18.19	1103.09
39.58	1.98	21.08	1045.52
39.60	2.02	26.19	1057.73
39.62	1.94	31.08	1020.52
39.64	1.94	33.53	1010.06
39.66	2.00	41.54	1044.94
39.68	1.94	41.10	1020.52
39.70	1.87	41.54	1004.82
39.72	1.87	41.55	1002.50
39.74	1.98	41.85	1121.11
39.76	1.96	42.52	1085.64
39.78	1.93	39.85	1047.27
39.80	1.92	40.07	1038.55
39.82	1.93	40.96	1066.45
39.84	1.93	40.07	1045.52
39.86	1.95	39.41	1026.33
39.88	1.97	37.41	978.66
39.90	2.04	37.63	992.03
39.92	2.07	38.08	932.14
39.94	2.05	40.08	907.72
39.96	1.98	41.86	861.21
39.98	1.91	43.41	851.90
40.00	1.83	44.30	856.56
40.02	1.78	44.30	886.21
40.04	1.69	42.08	857.72
40.06	1.60	40.08	861.79
40.08	1.51	38.08	892.60
40.10	1.44	34.97	917.03
40.12	1.42	30.97	944.35
40.14	1.43	28.30	1018.20
40.16	1.47	26.31	1075.76
40.18	1.52	22.08	1085.06
40.20	1.57	19.86	1077.50
40.22	1.64	17.86	1089.71
40.24	1.80	17.42	1111.22
40.26	2.14	17.42	1132.74
40.28	2.64	17.87	999.59
40.30	3.19	20.76	879.81
40.32	4.03	26.98	882.14
40.34	5.35	38.10	700.73
40.36	6.23	47.87	442.58
40.38	6.66	48.99	404.20
40.40	6.97	50.99	423.98
40.42	7.29	58.32	438.51
40.44	7.77	68.99	379.79
40.46	8.19	77.88	273.97
40.48	8.42	79.88	207.10
40.50	8.53	78.11	276.29

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
40.52	8.62	77.66	384.44
40.54	8.85	80.99	431.53
40.56	9.06	87.88	401.88
40.58	9.15	94.77	387.35
40.60	9.20	101.88	398.39
40.62	9.06	111.21	375.72
40.64	8.94	119.65	376.30
40.66	8.85	124.77	367.00
40.68	8.76	130.10	358.28
40.70	9.25	147.88	286.18
40.72	9.26	150.10	251.87
40.74	9.52	156.76	227.45
40.76	10.07	164.54	146.63
40.78	10.40	168.31	39.65
40.80	10.82	173.87	2.44
40.82	10.90	165.19	-10.35
40.84	10.84	136.30	1.28
40.86	10.55	119.63	100.12
40.88	10.24	113.19	185.59
40.90	9.77	112.96	228.03
40.92	9.34	115.63	280.36
40.94	8.98	123.85	324.55
40.96	8.82	135.40	343.74
40.98	8.88	144.95	344.90
41.00	9.24	153.62	289.67
41.02	10.01	160.95	242.57
41.04	10.92	171.17	161.17
41.06	11.70	179.39	59.42
41.08	12.23	173.16	8.25
41.10	12.69	162.27	24.53
41.12	12.97	151.15	139.66
41.14	13.41	152.04	226.87
41.16	13.78	154.70	286.18
41.18	14.15	155.37	334.43
41.20	14.45	155.81	350.71
41.22	14.62	159.14	360.02
41.24	14.58	164.92	345.48
41.26	14.46	170.03	350.71
41.28	14.30	173.58	346.65
41.30	14.25	174.92	354.79
41.32	14.41	177.14	358.86
41.34	14.60	176.91	361.18
41.36	14.69	177.58	353.62
41.38	14.76	177.58	349.55
41.40	14.92	177.35	350.71
41.42	15.03	176.23	353.62
41.44	14.92	177.34	344.90
41.46	14.68	178.23	344.32
41.48	14.38	181.79	337.34
41.50	14.32	181.12	339.09

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
41.52	12.49	99.89	299.55
41.54	13.97	104.34	278.04
41.56	16.18	105.89	284.43
41.58	18.35	105.89	224.55
41.60	19.97	103.23	197.22
41.62	19.37	98.56	98.96
41.64	17.89	100.34	36.74
41.66	16.56	100.78	19.88
41.68	15.73	100.78	59.42
41.70	15.25	112.11	126.87
41.72	14.92	126.34	187.91
41.74	14.74	142.33	241.40
41.76	14.69	155.67	269.31
41.78	14.75	160.99	276.29
41.80	14.90	160.99	279.20
41.82	14.97	158.33	263.50
41.84	14.55	137.77	344.32
41.86	14.48	134.21	349.55
41.88	14.28	130.43	344.32
41.90	14.05	127.77	340.83
41.92	13.75	126.88	339.67
41.94	13.53	131.54	346.06
41.96	13.32	136.43	346.65
41.98	13.20	140.65	347.81
42.00	13.11	141.76	344.90
42.02	12.96	142.43	334.43
42.04	12.79	143.98	339.67
42.06	12.87	142.21	335.02
42.08	12.93	141.76	332.11
42.10	12.81	142.65	321.06
42.12	10.57	65.27	408.28
42.14	12.37	73.94	368.74
42.16	14.74	81.27	397.81
42.18	17.51	88.16	423.40
42.20	18.38	92.16	273.39
42.22	17.22	98.15	135.59
42.24	15.98	101.04	81.51
42.26	14.99	95.93	66.40
42.28	14.07	83.70	71.05
42.30	13.32	78.81	98.38
42.32	12.52	88.15	125.12
42.34	12.11	96.15	169.89
42.36	11.80	107.92	215.24
42.38	11.63	120.14	233.27
42.40	11.36	134.14	225.13
42.42	10.68	145.92	201.29
42.44	10.18	151.92	195.48
42.46	9.65	158.15	210.59
42.48	9.01	156.14	251.87
42.50	8.39	153.70	278.62





# PROVA PENETROMETRICA STATICA

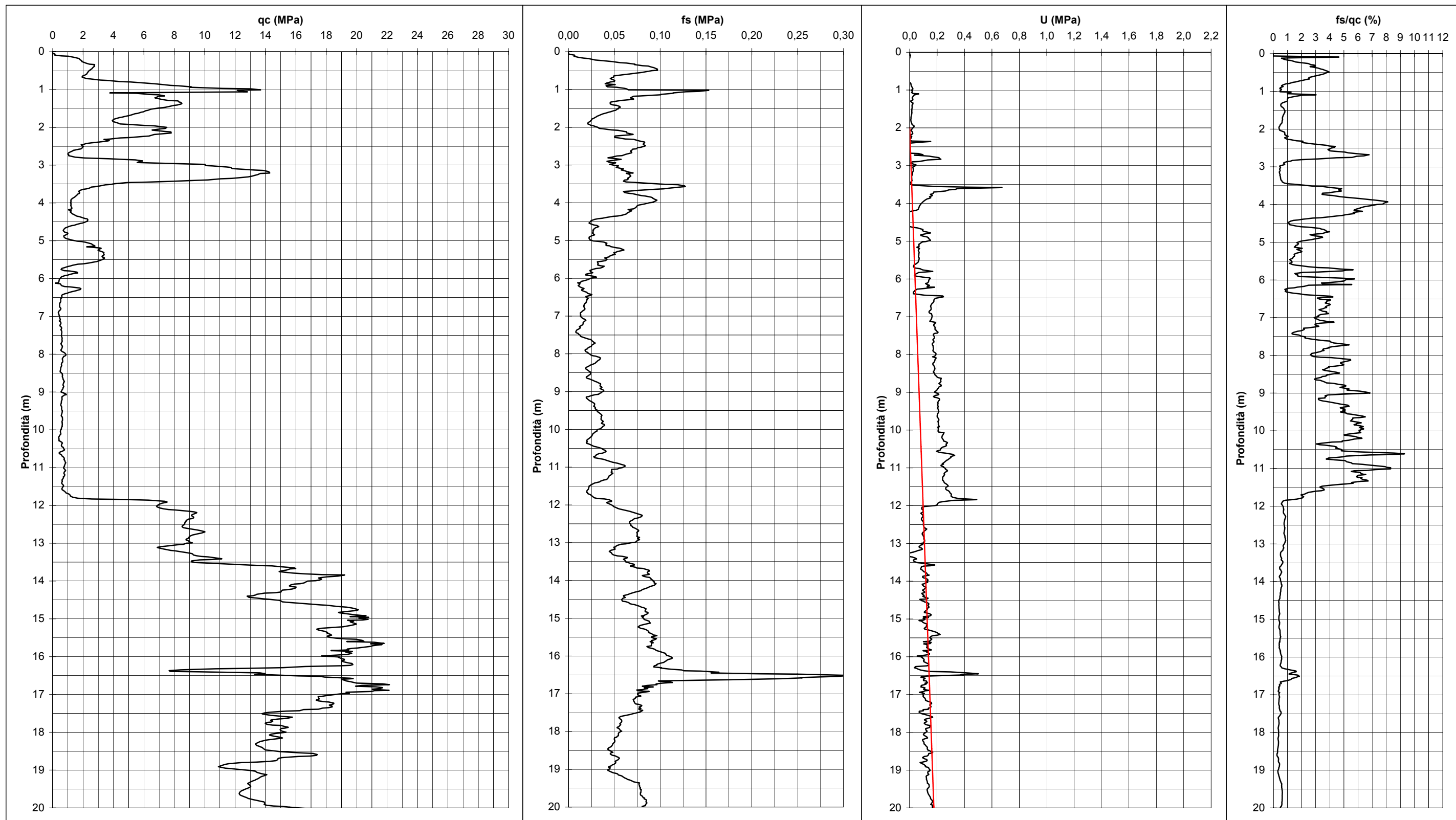
secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01473	COMM.	004CM07	PAG.	1	DI	2	Verbale di accettazione C004/07
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto					

COMMITTENTE:	AUTOSTRADA DEL BRENNERO S. p. A.				
CANTIERE:	TERZA CORSIA A22, TRATTO VERONA - MODENA				
PROVA N°:	CPT 7	DATA PROVA	23/03/2007	OPERATORE	P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate	X	-	Y	-
Preforo	-	m	Livello acqua	2.00	m da p.c.	Profondità finale	25,00	m da p.c.	
NOTE	-								

VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200





# PROVA PENETROMETRICA STATICA

secondo Raccomandazioni AGI (1977)

Data	apr-07	Certificato N°	C01473	COMM.	004CM07	PAG.	2	DI	2	Verbale di accettazione
Sperimentatore	P. I. E. Calore			Il Direttore	Dott. Geol. V. Vicenzetto			C004/07		

COMMITTENTE: AUTOSTRADA DEL BRENNERO S. p. A.

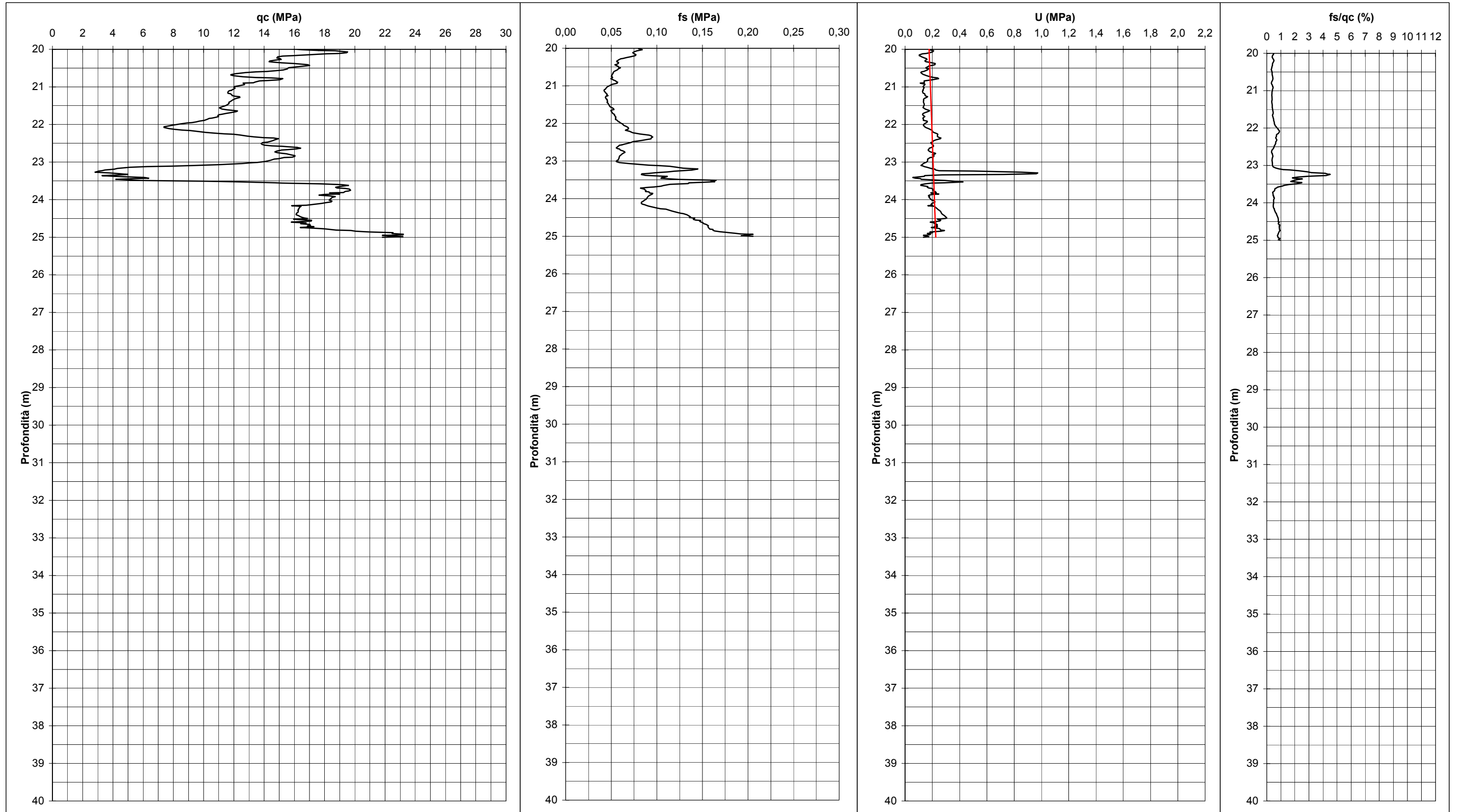
CANTIERE: TERZA CORSIA A22, TRATTO VERONA - MODENA

PROVA N°: CPT 7      DATA PROVA: 23/03/2007      OPERATORE: P.I. E. CALORE

Punta	M 18	Quota p.c.:	-	m.s.l.m.	Coordinate X	-	Y	-
Preforo	-	m	Livello acqua	2.00	m da p.c.	Profondità finale	25,00	m da p.c.

NOTE: -

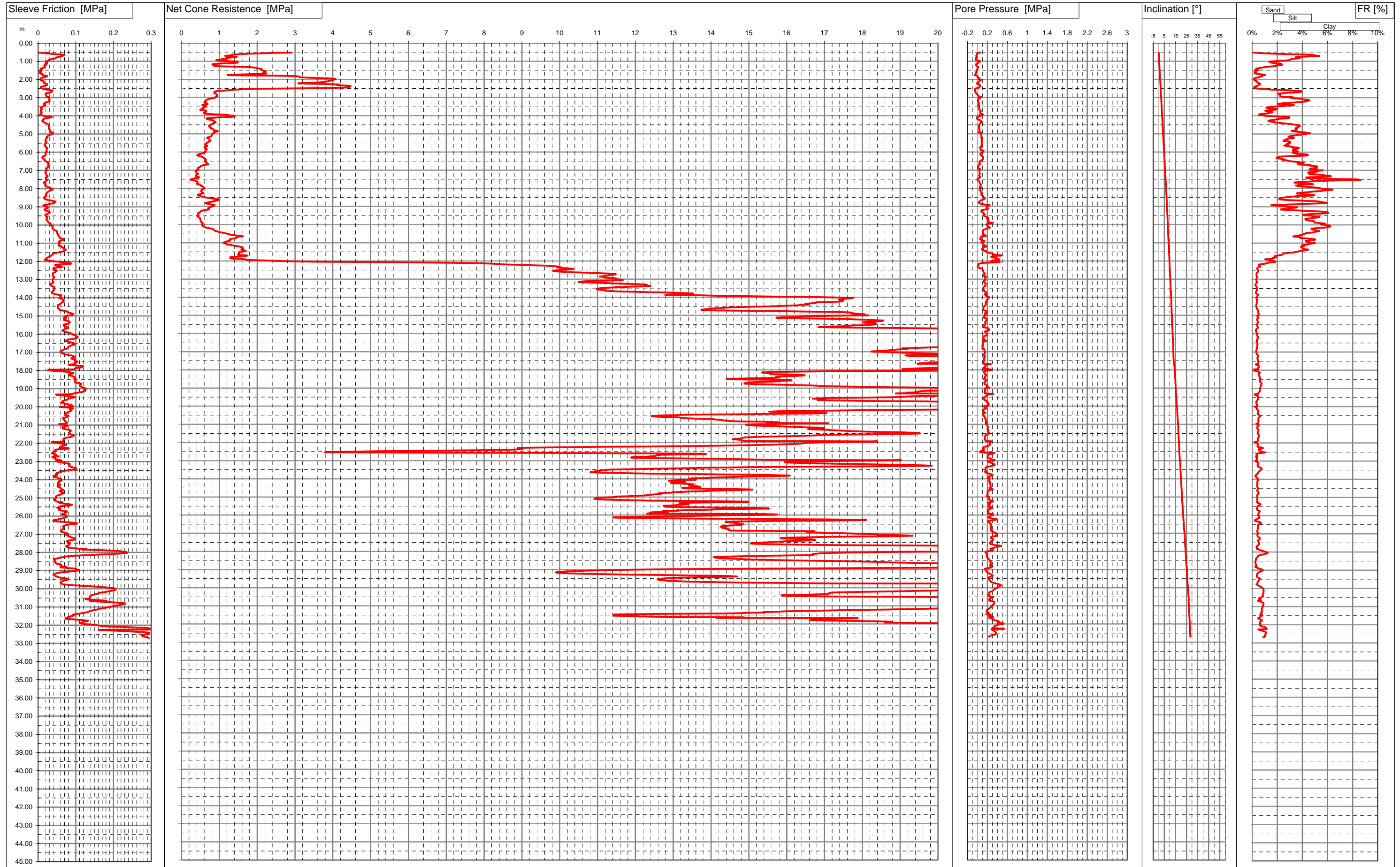
VICENZETTO S.r.l. 35040 VILLA ESTENSE (PD) VIA MUNICIPIO N° 18 TEL. 0429/91798 FAX 0429/91200



Committente AUTOBRENNERO SPA  
 Località BONDENO ALBAREDA  
 Cantiere SOVRAPASSO 124  
 Operatore dr.stanzani  
 Prova nr. 2 Cert. N. 357/2012  
 Data 2506\12 Emesso il 25/06/2012  
 Falda 2.00 ml  
 Preforo 0.50 m. p.c.

MN-CPTU22


  
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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	2.91	2.63	51.86
0.54	2.51	10.63	20.46
0.56	2.12	19.08	2.44
0.58	1.87	29.52	-5.12
0.60	1.63	41.97	-11.51
0.62	1.46	54.86	-15.59
0.64	1.34	64.86	-17.91
0.66	1.33	69.53	-12.10
0.68	1.29	66.87	-16.75
0.70	1.15	65.09	-25.47
0.72	1.17	61.99	-17.91
0.74	1.31	57.55	-8.02
0.76	1.46	53.77	-3.96
0.78	1.41	50.44	-20.24
0.80	1.26	48.67	-31.28
0.82	1.18	46.68	-31.87
0.84	1.19	44.90	-27.80
0.86	1.21	41.80	-23.72
0.88	1.11	35.80	-33.61
0.90	1.02	32.25	-36.51
0.92	0.95	29.59	-35.35
0.94	0.92	28.04	-28.38
0.96	0.97	26.05	8.25
0.98	1.11	23.61	33.84
1.00	1.30	22.95	54.77
1.02	1.49	20.47	54.19
1.04	1.43	20.03	30.93
1.06	1.46	22.03	25.11
1.08	1.48	23.58	22.21
1.10	1.37	24.47	8.83
1.12	1.12	24.47	-11.51
1.14	0.92	22.03	-22.56
1.16	0.82	18.92	-26.63
1.18	0.81	19.81	-24.89
1.20	0.87	21.15	-18.49
1.22	0.90	17.37	-18.49
1.24	0.85	16.48	-23.14
1.26	0.87	17.37	-23.72
1.28	1.09	17.60	-12.68
1.30	1.47	18.71	8.83
1.32	1.73	17.16	17.56
1.34	1.90	16.50	17.56
1.36	1.99	14.72	13.49
1.38	1.98	10.73	5.93
1.40	2.04	7.62	4.19
1.42	2.11	5.85	0.70
1.44	2.09	6.29	-5.70
1.46	2.13	8.52	-9.77
1.48	2.12	9.86	-13.26
1.50	2.13	8.75	-14.42

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	2.18	6.09	-13.84
1.54	2.23	4.53	-14.42
1.56	2.22	5.20	-17.91
1.58	2.21	7.65	-21.40
1.60	2.19	7.66	-24.30
1.62	2.16	5.44	-26.63
1.64	2.18	3.89	-27.21
1.66	2.24	4.11	-26.63
1.68	2.24	6.78	-28.38
1.70	2.05	10.34	-35.35
1.72	1.69	12.57	-44.08
1.74	1.41	13.68	-49.89
1.76	1.22	12.80	-51.63
1.78	1.58	11.69	-42.91
1.80	2.54	21.03	-12.10
1.82	3.03	24.58	7.67
1.84	3.10	21.25	5.93
1.86	3.11	19.48	1.86
1.88	3.14	17.70	3.02
1.90	3.30	12.82	12.90
1.92	3.56	9.26	25.70
1.94	3.84	6.60	40.23
1.96	4.01	5.94	43.14
1.98	4.08	6.83	36.74
2.00	4.05	7.28	27.44
2.02	3.99	6.20	75.12
2.04	4.01	7.32	63.49
2.06	3.97	9.32	52.44
2.08	3.91	12.43	40.81
2.10	3.87	14.65	36.16
2.12	3.83	15.32	30.35
2.14	3.77	15.32	23.95
2.16	3.67	15.32	16.98
2.18	3.49	14.88	7.67
2.20	3.21	15.32	-6.86
2.22	3.08	19.10	-13.84
2.24	3.53	23.10	2.44
2.26	3.91	23.33	25.70
2.28	4.16	25.11	47.79
2.30	4.10	23.33	35.58
2.32	4.15	21.11	35.58
2.34	4.35	18.67	48.95
2.36	4.47	15.78	57.10
2.38	4.47	13.33	51.86
2.40	4.40	8.45	43.72
2.42	4.42	6.67	40.81
2.44	4.44	7.56	39.07
2.46	4.20	8.90	23.37
2.48	3.67	9.34	-3.38
2.50	2.80	11.12	-33.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	2.02	14.01	-47.56
2.54	1.64	18.68	-52.80
2.56	1.47	24.02	-53.38
2.58	1.32	30.24	-53.96
2.60	1.20	36.69	-53.96
2.62	1.08	38.24	-53.38
2.64	0.94	38.02	-51.63
2.66	0.90	36.91	-47.56
2.68	0.87	35.58	-42.91
2.70	0.87	33.36	-38.84
2.72	0.86	31.36	-34.77
2.74	0.86	24.03	-30.70
2.76	0.87	22.03	-24.30
2.78	0.90	19.14	-17.33
2.80	0.92	20.03	-11.51
2.82	0.93	20.70	-6.28
2.84	0.92	20.92	-1.63
2.86	0.94	21.37	7.09
2.88	0.94	21.59	15.23
2.90	0.94	21.37	23.95
2.92	0.94	21.37	28.02
2.94	0.93	22.26	29.19
2.96	0.91	22.48	32.09
2.98	0.89	29.62	77.44
3.00	0.89	27.62	62.91
3.02	0.87	28.29	51.28
3.04	0.81	28.95	40.81
3.06	0.76	29.62	31.51
3.08	0.72	30.07	23.37
3.10	0.70	29.62	18.14
3.12	0.66	30.29	13.49
3.14	0.65	31.18	9.42
3.16	0.64	30.74	8.25
3.18	0.64	29.63	10.58
3.20	0.64	28.29	10.58
3.22	0.61	27.18	11.74
3.24	0.61	24.07	13.49
3.26	0.61	22.74	13.49
3.28	0.60	19.19	16.98
3.30	0.65	16.52	25.11
3.32	0.67	15.86	31.51
3.34	0.69	14.30	35.00
3.36	0.69	14.75	30.93
3.38	0.65	17.41	21.63
3.40	0.59	18.97	16.40
3.42	0.55	18.97	16.40
3.44	0.58	16.75	23.95
3.46	0.62	15.20	33.26
3.48	0.66	13.42	36.16
3.50	0.65	11.64	33.26

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	0.61	8.53	29.77
3.54	0.58	6.54	27.44
3.56	0.56	6.76	32.09
3.58	0.58	6.98	35.58
3.60	0.58	8.54	36.74
3.62	0.55	10.10	35.00
3.64	0.54	10.99	34.42
3.66	0.50	9.43	34.42
3.68	0.49	7.66	40.81
3.70	0.55	6.99	52.44
3.72	0.63	6.55	65.81
3.74	0.66	7.44	68.72
3.76	0.65	7.66	63.49
3.78	0.65	8.55	58.26
3.80	0.62	10.11	53.60
3.82	0.60	9.22	51.86
3.84	0.60	8.56	55.35
3.86	0.59	7.67	61.75
3.88	0.60	7.01	70.47
3.90	0.65	5.01	83.26
3.92	0.87	5.01	113.49
3.94	1.16	6.34	94.30
3.96	1.23	8.56	56.51
3.98	1.15	11.23	30.35
4.00	1.39	14.14	73.38
4.02	1.40	19.92	41.40
4.04	1.39	28.80	25.70
4.06	1.33	36.81	14.07
4.08	1.15	35.25	-1.63
4.10	0.96	28.59	-13.84
4.12	0.80	23.47	-17.33
4.14	0.68	20.36	-14.42
4.16	0.69	15.47	-6.86
4.18	0.66	13.70	0.70
4.20	0.69	13.47	11.16
4.22	0.75	13.92	26.28
4.24	0.81	12.81	43.14
4.26	0.84	11.25	61.16
4.28	0.85	11.03	71.63
4.30	0.85	11.70	76.86
4.32	0.88	13.03	86.17
4.34	0.87	15.48	91.98
4.36	0.90	16.14	90.82
4.38	0.86	17.48	71.63
4.40	0.87	20.14	62.91
4.42	0.84	22.36	55.93
4.44	0.82	23.92	51.28
4.46	0.80	25.70	46.63
4.48	0.79	26.59	44.30
4.50	0.76	28.14	36.16

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	0.74	29.03	33.84
4.54	0.74	28.37	31.51
4.56	0.72	28.59	32.09
4.58	0.73	28.14	33.84
4.60	0.74	27.70	34.42
4.62	0.74	28.37	32.09
4.64	0.75	28.14	33.26
4.66	0.79	28.37	32.68
4.68	0.76	28.59	32.68
4.70	0.79	28.14	33.26
4.72	0.81	28.81	33.26
4.74	0.84	30.14	33.84
4.76	0.85	31.26	35.58
4.78	0.85	31.26	36.74
4.80	0.86	31.48	39.65
4.82	0.91	31.48	44.89
4.84	0.96	31.03	46.63
4.86	0.93	32.37	36.74
4.88	0.92	33.48	29.77
4.90	0.86	35.92	25.11
4.92	0.84	37.26	25.11
4.94	0.87	40.15	80.93
4.96	0.84	40.82	75.12
4.98	0.84	38.60	69.30
5.00	0.82	36.37	64.65
5.02	0.81	34.37	68.14
5.04	0.80	31.93	71.05
5.06	0.80	29.93	75.12
5.08	0.79	28.15	79.19
5.10	0.80	25.93	80.93
5.12	0.79	25.04	81.51
5.14	0.79	23.48	82.10
5.16	0.74	23.48	79.77
5.18	0.72	22.59	75.70
5.20	0.68	22.82	74.54
5.22	0.68	23.48	74.54
5.24	0.69	22.82	84.42
5.26	0.72	21.26	92.56
5.28	0.73	20.82	91.40
5.30	0.73	20.15	87.33
5.32	0.75	20.15	86.17
5.34	0.75	20.15	90.23
5.36	0.76	19.26	91.98
5.38	0.77	19.71	89.07
5.40	0.73	21.04	82.68
5.42	0.72	22.60	86.17
5.44	0.72	21.48	86.75
5.46	0.70	21.04	86.17
5.48	0.68	20.37	81.51
5.50	0.67	20.82	83.84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	0.65	19.93	87.33
5.54	0.63	18.37	87.33
5.56	0.63	17.49	86.75
5.58	0.64	17.71	83.84
5.60	0.63	18.37	86.75
5.62	0.64	17.71	88.49
5.64	0.67	17.49	86.17
5.66	0.67	19.04	82.68
5.68	0.68	20.15	76.86
5.70	0.65	21.04	70.47
5.72	0.64	20.82	63.49
5.74	0.62	21.71	51.28
5.76	0.61	23.49	53.02
5.78	0.62	22.82	53.60
5.80	0.63	23.93	61.16
5.82	0.65	23.49	68.72
5.84	0.67	22.60	66.98
5.86	0.65	22.82	68.72
5.88	0.65	22.15	69.30
5.90	0.64	22.15	66.98
5.92	0.64	21.49	125.12
5.94	0.63	22.38	102.45
5.96	0.62	23.49	105.93
5.98	0.62	23.49	110.59
6.00	0.64	21.71	115.24
6.02	0.63	20.83	101.86
6.04	0.61	20.38	91.40
6.06	0.56	19.94	76.86
6.08	0.53	19.05	66.98
6.10	0.51	19.05	60.00
6.12	0.46	20.16	56.51
6.14	0.43	20.16	58.26
6.16	0.45	19.05	61.16
6.18	0.41	19.05	65.81
6.20	0.43	17.49	76.28
6.22	0.47	15.05	93.14
6.24	0.52	12.38	110.00
6.26	0.53	11.27	105.35
6.28	0.55	11.94	111.17
6.30	0.58	11.49	115.82
6.32	0.59	11.49	111.17
6.34	0.61	13.05	114.08
6.36	0.62	13.94	112.91
6.38	0.62	15.27	108.26
6.40	0.62	15.94	109.42
6.42	0.65	15.94	103.61
6.44	0.63	17.49	91.98
6.46	0.63	17.27	72.79
6.48	0.63	18.83	63.49
6.50	0.64	20.16	51.86



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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BONDENO ALBAREDA**

Cantiere **SOVRAPASSO 124**

Data **2506\12**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	0.65	22.38	50.12
6.54	0.64	23.71	45.47
6.56	0.64	24.83	40.23
6.58	0.63	27.05	38.49
6.60	0.65	27.71	43.72
6.62	0.68	28.38	52.44
6.64	0.70	27.49	54.77
6.66	0.71	26.60	51.28
6.68	0.70	27.27	44.89
6.70	0.64	28.60	34.42
6.72	0.58	28.16	28.02
6.74	0.55	26.60	26.28
6.76	0.53	26.38	21.05
6.78	0.51	27.71	16.98
6.80	0.51	27.49	17.56
6.82	0.49	26.16	15.23
6.84	0.47	24.16	14.07
6.86	0.45	23.71	11.74
6.88	0.43	23.71	10.00
6.90	0.43	22.38	12.32
6.92	0.43	20.82	11.16
6.94	0.43	21.71	61.16
6.96	0.45	21.71	55.93
6.98	0.45	22.60	46.63
7.00	0.39	23.27	41.40
7.02	0.38	21.27	42.56
7.04	0.38	21.04	45.47
7.06	0.37	20.16	41.98
7.08	0.37	19.93	43.72
7.10	0.39	19.04	44.30
7.12	0.40	18.60	43.72
7.14	0.40	19.04	41.98
7.16	0.40	20.82	44.30
7.18	0.41	21.27	47.79
7.20	0.44	21.04	50.70
7.22	0.43	21.49	46.05
7.24	0.40	22.38	39.65
7.26	0.39	23.27	37.32
7.28	0.38	23.27	33.26
7.30	0.38	24.60	32.09
7.32	0.38	25.27	36.74
7.34	0.38	25.27	43.14
7.36	0.41	24.15	52.44
7.38	0.46	21.71	57.68
7.40	0.46	20.82	54.77
7.42	0.44	19.93	40.23
7.44	0.39	20.15	29.19
7.46	0.34	20.37	16.98
7.48	0.30	21.71	5.93
7.50	0.25	22.37	-2.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	0.25	23.26	-3.96
7.54	0.27	23.49	1.28
7.56	0.32	22.60	12.90
7.58	0.37	21.49	25.11
7.60	0.39	19.93	32.68
7.62	0.40	18.60	37.90
7.64	0.41	16.60	40.81
7.66	0.43	15.04	41.40
7.68	0.43	15.04	42.56
7.70	0.43	16.15	47.79
7.72	0.43	17.48	47.21
7.74	0.41	19.26	48.37
7.76	0.41	20.82	58.84
7.78	0.45	20.15	64.07
7.80	0.49	18.82	67.56
7.82	0.50	18.82	71.05
7.84	0.52	18.60	64.65
7.86	0.52	19.93	58.84
7.88	0.55	21.04	54.19
7.90	0.55	24.60	51.86
7.92	0.57	27.71	50.70
7.94	0.58	29.48	43.14
7.96	0.61	33.71	89.07
7.98	0.61	34.38	69.89
8.00	0.61	35.04	57.68
8.02	0.58	36.38	49.53
8.04	0.57	37.04	46.05
8.06	0.55	37.71	43.14
8.08	0.53	35.93	49.53
8.10	0.53	32.82	49.53
8.12	0.53	31.48	52.44
8.14	0.52	29.71	57.68
8.16	0.53	27.48	62.33
8.18	0.53	26.37	63.49
8.20	0.53	24.82	70.47
8.22	0.55	23.48	78.60
8.24	0.57	22.59	87.33
8.26	0.58	21.48	94.30
8.28	0.57	21.26	87.91
8.30	0.53	22.15	87.91
8.32	0.49	21.26	80.35
8.34	0.45	22.15	73.38
8.36	0.43	22.37	76.86
8.38	0.43	22.15	85.59
8.40	0.45	21.26	101.86
8.42	0.49	18.37	109.42
8.44	0.51	17.48	110.59
8.46	0.55	16.59	116.98
8.48	0.58	16.15	120.47
8.50	0.63	16.37	128.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	0.70	15.92	135.59
8.54	0.74	16.37	136.17
8.56	0.81	17.70	143.15
8.58	0.88	19.26	144.89
8.60	0.97	21.48	130.93
8.62	0.99	25.70	114.66
8.64	0.99	30.15	94.89
8.66	0.97	35.26	73.38
8.68	0.91	40.82	55.93
8.70	0.86	44.82	51.86
8.72	0.82	46.81	44.89
8.74	0.80	45.70	41.40
8.76	0.74	44.59	28.60
8.78	0.69	43.26	26.86
8.80	0.63	40.15	29.19
8.82	0.65	35.70	42.56
8.84	0.67	31.92	57.10
8.86	0.68	27.26	80.35
8.88	0.75	22.59	118.72
8.90	0.82	17.92	142.56
8.92	0.87	13.48	247.22
8.94	0.87	15.92	210.01
8.96	0.84	19.70	191.40
8.98	0.81	22.37	222.22
9.00	0.82	23.26	215.24
9.02	0.79	26.15	187.33
9.04	0.74	27.48	185.59
9.06	0.73	25.70	186.75
9.08	0.74	22.59	181.52
9.10	0.70	20.81	190.24
9.12	0.72	18.81	215.24
9.14	0.73	17.26	201.87
9.16	0.72	16.81	168.15
9.18	0.68	18.59	126.29
9.20	0.60	21.70	96.05
9.22	0.57	23.26	79.19
9.24	0.53	25.03	73.96
9.26	0.51	28.37	76.86
9.28	0.50	30.37	84.42
9.30	0.49	31.26	90.82
9.32	0.48	31.03	103.03
9.34	0.46	29.70	108.26
9.36	0.44	27.48	113.49
9.38	0.44	25.26	125.12
9.40	0.45	22.81	140.82
9.42	0.45	21.03	147.21
9.44	0.45	19.03	137.91
9.46	0.44	18.59	133.26
9.48	0.44	19.03	128.61
9.50	0.40	20.14	128.61

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	0.43	21.48	139.08
9.54	0.43	23.48	154.19
9.56	0.44	24.59	172.22
9.58	0.44	24.81	188.50
9.60	0.46	24.81	205.94
9.62	0.48	24.14	217.57
9.64	0.48	23.70	223.38
9.66	0.49	22.59	203.03
9.68	0.49	21.70	190.82
9.70	0.49	22.59	204.20
9.72	0.50	22.81	216.99
9.74	0.50	22.59	220.48
9.76	0.50	23.92	224.55
9.78	0.50	25.03	216.99
9.80	0.50	25.92	207.10
9.82	0.51	26.36	204.78
9.84	0.51	26.59	210.01
9.86	0.52	27.48	206.52
9.88	0.55	28.59	218.73
9.90	0.56	31.03	314.67
9.92	0.55	32.59	291.41
9.94	0.55	33.70	256.52
9.96	0.56	32.37	203.03
9.98	0.56	32.15	179.78
10.00	0.55	33.26	176.29
10.02	0.55	34.59	185.59
10.04	0.55	35.92	192.57
10.06	0.55	36.37	201.29
10.08	0.57	37.26	206.52
10.10	0.58	38.14	211.17
10.12	0.61	38.81	219.90
10.14	0.62	39.26	233.27
10.16	0.64	39.26	251.29
10.18	0.70	38.14	233.85
10.20	0.74	37.70	197.22
10.22	0.78	38.81	179.20
10.24	0.82	40.81	161.17
10.26	0.85	42.59	153.61
10.28	0.85	44.14	121.05
10.30	0.86	45.70	111.75
10.32	0.87	47.47	108.84
10.34	0.88	49.92	111.75
10.36	0.92	50.80	110.00
10.38	0.97	50.80	111.75
10.40	0.98	51.02	105.93
10.42	1.00	51.02	110.00
10.44	1.07	50.36	116.40
10.46	1.12	49.69	104.19
10.48	1.16	51.47	115.82
10.50	1.22	52.13	122.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	1.23	53.02	111.17
10.54	1.28	52.36	111.75
10.56	1.29	53.02	100.70
10.58	1.41	54.36	144.89
10.60	1.45	54.80	161.75
10.62	1.57	54.58	175.70
10.64	1.63	55.24	127.45
10.66	1.52	56.80	74.54
10.68	1.45	57.91	68.14
10.70	1.46	57.24	76.28
10.72	1.45	58.13	65.81
10.74	1.43	61.68	61.16
10.76	1.39	65.46	56.51
10.78	1.33	68.35	51.28
10.80	1.29	67.90	52.44
10.82	1.27	66.79	64.07
10.84	1.28	64.57	80.35
10.86	1.29	60.79	88.49
10.88	1.28	57.02	87.91
10.90	1.24	55.69	141.98
10.92	1.22	54.80	110.00
10.94	1.17	54.36	89.65
10.96	1.16	54.36	78.60
10.98	1.12	56.58	74.54
11.00	1.11	58.35	90.23
11.02	1.14	57.24	105.35
11.04	1.15	56.58	118.14
11.06	1.19	55.46	119.89
11.08	1.19	55.24	121.63
11.10	1.24	54.80	131.52
11.12	1.31	54.13	133.84
11.14	1.34	55.91	132.68
11.16	1.40	60.13	151.87
11.18	1.45	62.13	172.80
11.20	1.52	63.46	183.85
11.22	1.56	63.02	155.94
11.24	1.58	65.46	119.30
11.26	1.61	67.46	121.63
11.28	1.63	67.46	115.24
11.30	1.62	67.90	119.89
11.32	1.64	69.01	113.49
11.34	1.62	71.68	94.89
11.36	1.58	74.12	88.49
11.38	1.58	72.57	92.56
11.40	1.63	71.46	110.00
11.42	1.66	70.12	134.42
11.44	1.70	67.90	165.82
11.46	1.68	64.12	176.29
11.48	1.63	59.45	168.73
11.50	1.59	55.90	173.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	1.51	52.34	196.06
11.54	1.53	45.89	225.13
11.56	1.52	41.67	247.22
11.58	1.51	38.78	269.90
11.60	1.51	38.56	307.11
11.62	1.53	37.67	319.32
11.64	1.51	36.78	317.58
11.66	1.49	35.67	350.71
11.68	1.59	34.56	442.58
11.70	1.74	33.89	492.59
11.72	1.69	31.23	360.02
11.74	1.69	30.34	341.41
11.76	1.53	28.78	284.43
11.78	1.35	26.34	275.71
11.80	1.28	22.78	291.41
11.82	1.29	21.68	337.34
11.84	1.29	22.34	378.04
11.86	1.32	21.23	383.28
11.88	1.37	21.68	421.07
11.90	1.66	17.25	425.72
11.92	1.68	23.91	360.02
11.94	1.74	23.91	392.58
11.96	1.96	29.02	444.90
11.98	2.25	35.91	419.90
12.00	2.53	45.91	327.46
12.02	2.88	53.92	259.43
12.04	3.52	66.58	339.67
12.06	4.84	78.80	450.72
12.08	6.21	84.14	354.20
12.10	7.10	85.25	150.70
12.12	7.69	87.47	90.82
12.14	8.12	84.80	53.02
12.16	8.30	62.13	23.37
12.18	8.43	50.80	16.98
12.20	8.67	44.58	21.63
12.22	9.03	46.13	21.63
12.24	9.32	51.91	14.65
12.26	9.64	58.57	11.16
12.28	9.78	62.79	5.35
12.30	9.92	64.57	4.77
12.32	10.00	56.79	3.02
12.34	9.93	46.57	4.77
12.36	9.94	42.56	14.65
12.38	10.00	41.01	34.42
12.40	10.16	39.89	60.00
12.42	10.33	40.78	82.68
12.44	10.36	42.55	97.80
12.46	10.32	45.00	104.77
12.48	10.19	47.22	104.77
12.50	10.03	49.44	106.51

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BONDENO ALBAREDA**

Cantiere **SOVRAPASSO 124**

Data **2506\12**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. **357/2012**

Emesso il **25/06/2012**

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	9.88	49.21	107.68
12.54	9.83	47.43	111.17
12.56	9.83	46.76	113.49
12.58	9.95	46.10	116.98
12.60	10.09	44.76	119.30
12.62	10.30	42.09	122.21
12.64	10.57	39.87	126.87
12.66	10.88	39.42	135.00
12.68	11.10	39.42	144.89
12.70	11.34	39.64	148.96
12.72	11.48	39.19	144.31
12.74	11.47	38.30	138.50
12.76	11.42	38.30	136.75
12.78	11.32	39.19	133.84
12.80	11.26	39.41	134.42
12.82	11.20	39.85	133.26
12.84	11.15	41.62	135.00
12.86	11.06	42.96	177.45
12.88	11.18	43.18	154.78
12.90	11.16	42.29	148.38
12.92	11.21	41.18	150.70
12.94	11.35	40.96	156.52
12.96	11.48	39.85	160.00
12.98	11.50	38.74	156.52
13.00	11.50	38.29	155.94
13.02	11.60	38.29	160.00
13.04	11.67	38.29	160.00
13.06	11.62	38.51	154.78
13.08	11.31	38.51	139.66
13.10	10.93	39.84	130.35
13.12	10.66	40.51	125.12
13.14	10.50	40.73	126.87
13.16	10.50	40.50	132.68
13.18	10.62	39.61	140.24
13.20	10.93	37.61	154.19
13.22	11.26	35.17	160.59
13.24	11.46	33.16	158.84
13.26	11.73	32.05	165.24
13.28	12.10	31.38	171.05
13.30	12.30	31.83	168.15
13.32	12.31	33.16	160.00
13.34	12.24	35.60	153.03
13.36	12.29	37.38	155.36
13.38	12.40	39.38	157.10
13.40	12.27	41.60	146.63
13.42	11.88	43.16	130.93
13.44	11.61	43.38	126.29
13.46	11.39	42.93	122.21
13.48	11.20	42.26	119.30
13.50	11.09	42.48	118.72

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	11.01	42.48	117.56
13.54	10.97	42.26	119.89
13.56	10.97	41.81	122.80
13.58	11.04	41.81	125.70
13.60	11.12	41.81	132.10
13.62	11.22	40.03	135.00
13.64	11.22	38.47	132.10
13.66	11.33	37.36	137.91
13.68	11.56	36.69	144.31
13.70	11.94	36.25	158.26
13.72	12.39	36.25	169.89
13.74	12.82	37.14	178.03
13.76	13.16	38.69	179.20
13.78	13.40	42.02	175.70
13.80	13.52	46.02	168.15
13.82	13.39	49.80	153.03
13.84	13.22	55.35	139.66
13.86	12.79	61.63	187.91
13.88	13.39	59.41	157.68
13.90	13.80	60.30	162.33
13.92	14.21	60.52	172.80
13.94	14.83	60.96	190.82
13.96	15.65	59.63	212.33
13.98	16.56	56.07	228.61
14.00	17.10	54.74	229.20
14.02	17.48	57.18	226.29
14.04	17.76	60.06	219.90
14.06	17.66	62.06	207.10
14.08	17.54	64.06	201.29
14.10	17.51	66.28	200.12
14.12	17.47	67.61	196.64
14.14	17.38	66.50	193.15
14.16	17.45	67.38	195.48
14.18	17.47	68.71	193.73
14.20	17.49	67.60	191.40
14.22	17.47	66.49	189.66
14.24	17.39	64.26	182.68
14.26	17.08	62.70	169.89
14.28	16.78	61.59	164.66
14.30	16.78	61.36	173.96
14.32	16.71	60.03	168.73
14.34	16.62	58.47	166.40
14.36	16.49	56.69	162.33
14.38	16.53	55.13	168.15
14.40	16.57	53.13	169.89
14.42	16.40	52.23	161.17
14.44	16.30	52.67	161.75
14.46	16.07	52.67	150.12
14.48	15.82	52.67	145.47
14.50	15.58	51.78	141.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	15.19	51.78	129.77
14.54	14.78	52.88	124.54
14.56	14.53	53.10	121.05
14.58	14.35	53.10	121.05
14.60	14.18	53.99	119.30
14.62	14.02	55.77	116.98
14.64	13.94	56.43	119.30
14.66	13.86	56.87	119.89
14.68	13.74	60.20	116.98
14.70	13.76	65.09	120.47
14.72	14.08	71.09	136.17
14.74	14.76	74.65	161.17
14.76	15.67	75.98	187.33
14.78	16.34	77.09	186.75
14.80	16.82	79.31	187.33
14.82	17.53	81.30	201.87
14.84	17.71	85.97	181.52
14.86	17.68	88.66	166.99
14.88	17.75	91.33	150.12
14.90	17.80	93.55	153.61
14.92	17.90	93.77	158.84
14.94	18.06	90.66	169.31
14.96	17.78	89.77	150.12
14.98	17.73	78.88	163.50
15.00	18.16	72.21	171.05
15.02	17.18	70.21	140.82
15.04	16.66	74.65	138.50
15.06	16.35	75.32	130.93
15.08	16.23	71.54	137.33
15.10	15.92	67.98	131.52
15.12	15.73	70.42	131.52
15.14	15.89	74.65	148.96
15.16	16.39	70.20	168.15
15.18	17.01	69.98	183.85
15.20	17.52	67.75	186.75
15.22	17.82	68.20	189.08
15.24	18.07	71.30	187.33
15.26	18.33	74.86	183.85
15.28	18.55	78.86	183.85
15.30	18.54	82.41	170.47
15.32	18.45	83.96	164.66
15.34	18.27	83.96	156.52
15.36	18.11	83.74	153.61
15.38	18.02	83.52	154.78
15.40	18.04	81.29	155.94
15.42	18.20	79.95	163.50
15.44	18.36	76.62	167.57
15.46	18.32	70.61	162.33
15.48	18.30	67.72	158.26
15.50	18.32	67.72	158.26

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BONDENO ALBAREDA**

Cantiere **SOVRAPASSO 124**

Data **2506\12**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	18.22	67.72	152.45
15.54	17.92	68.16	139.08
15.56	17.70	71.27	135.59
15.58	17.62	74.16	137.33
15.60	17.44	74.82	132.68
15.62	17.02	76.16	120.47
15.64	16.84	79.94	117.56
15.66	17.15	80.82	136.17
15.68	18.01	77.93	173.96
15.70	19.05	74.82	203.03
15.72	20.05	71.04	222.22
15.74	20.84	67.93	225.71
15.76	21.35	66.82	221.64
15.78	21.85	65.26	221.64
15.80	22.62	64.15	236.18
15.82	23.22	66.37	230.94
15.84	23.35	67.93	212.92
15.86	22.87	73.07	189.66
15.88	23.06	73.52	148.38
15.90	23.10	77.07	151.29
15.92	23.16	80.41	155.94
15.94	23.37	84.19	165.24
15.96	23.58	87.52	169.89
15.98	23.75	90.63	174.54
16.00	23.83	91.29	175.12
16.02	23.90	91.29	177.45
16.04	24.26	93.51	191.99
16.06	24.69	97.95	193.73
16.08	25.17	100.39	198.38
16.10	25.48	101.05	191.99
16.12	25.04	100.83	163.50
16.14	23.88	104.38	129.19
16.16	22.96	105.49	114.66
16.18	22.49	104.60	123.96
16.20	22.09	103.27	126.29
16.22	21.72	99.93	122.21
16.24	21.26	98.15	117.56
16.26	20.76	92.59	113.49
16.28	20.35	85.92	115.82
16.30	20.32	78.80	127.45
16.32	20.52	77.47	142.56
16.34	20.68	76.35	150.70
16.36	20.71	72.57	141.40
16.38	20.80	77.46	134.42
16.40	21.44	79.01	155.94
16.42	22.55	79.24	184.43
16.44	23.11	82.80	135.00
16.46	23.29	89.47	118.72
16.48	23.23	93.92	116.40
16.50	23.23	93.25	116.98

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	23.03	93.04	115.82
16.54	22.73	96.37	106.51
16.56	22.37	98.37	105.93
16.58	22.14	94.81	111.17
16.60	21.95	90.15	110.59
16.62	21.62	87.70	106.51
16.64	21.18	86.15	103.61
16.66	20.76	84.81	98.38
16.68	20.56	82.15	106.51
16.70	20.63	79.70	112.91
16.72	20.38	79.93	102.45
16.74	20.14	79.70	100.12
16.76	19.90	78.81	101.86
16.78	19.61	77.48	100.70
16.80	19.29	75.26	99.54
16.82	19.05	73.93	97.80
16.84	19.20	69.08	137.91
16.86	19.08	66.86	137.91
16.88	18.93	64.42	140.82
16.90	18.85	62.64	139.66
16.92	18.73	61.31	139.66
16.94	18.61	59.53	139.66
16.96	18.45	59.08	139.08
16.98	18.24	59.97	139.08
17.00	18.27	61.53	147.21
17.02	18.56	62.41	151.29
17.04	18.96	63.08	153.61
17.06	19.09	66.86	141.98
17.08	19.62	68.19	147.80
17.10	19.92	70.42	145.47
17.12	20.02	74.20	138.50
17.14	19.87	80.20	133.26
17.16	19.56	85.31	127.45
17.18	19.24	89.75	126.29
17.20	19.14	92.20	126.87
17.22	19.19	94.86	134.42
17.24	19.74	97.30	154.78
17.26	20.38	97.30	148.96
17.28	21.37	96.41	153.03
17.30	21.90	93.97	146.63
17.32	21.68	89.53	132.68
17.34	21.39	87.75	129.77
17.36	21.36	90.64	133.26
17.38	21.66	94.86	144.31
17.40	21.94	98.86	144.31
17.42	21.94	99.97	137.33
17.44	21.80	98.86	127.45
17.46	21.39	96.86	120.47
17.48	21.04	97.53	122.21
17.50	20.74	101.31	118.14

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	20.25	104.87	120.47
17.54	20.40	103.09	127.45
17.56	20.29	100.65	127.45
17.58	20.08	98.20	125.70
17.60	19.76	98.87	123.38
17.62	19.65	97.09	125.70
17.64	19.51	94.87	125.12
17.66	19.46	92.65	118.14
17.68	28.31	81.28	269.31
17.70	27.00	84.17	205.94
17.72	24.98	98.39	176.29
17.74	23.67	113.49	164.08
17.76	22.81	119.71	161.75
17.78	22.15	119.26	154.78
17.80	21.82	115.70	158.26
17.82	21.72	116.58	161.17
17.84	21.59	111.91	161.17
17.86	21.09	102.13	148.38
17.88	20.30	98.57	130.93
17.90	19.66	97.91	122.21
17.92	19.42	95.91	125.70
17.94	19.28	95.02	129.19
17.96	19.06	29.71	223.96
17.98	21.88	25.49	262.34
18.00	23.51	33.27	289.09
18.02	22.57	42.16	240.82
18.04	20.34	55.27	184.43
18.06	18.48	68.83	154.19
18.08	17.15	80.38	135.59
18.10	16.15	84.60	125.70
18.12	15.59	89.49	122.80
18.14	15.35	93.93	127.45
18.16	15.40	92.60	137.91
18.18	15.53	87.26	147.21
18.20	15.58	82.82	150.70
18.22	15.55	81.48	150.12
18.24	15.64	82.15	153.61
18.26	16.10	81.26	169.31
18.28	16.39	85.70	175.12
18.30	16.48	90.82	175.70
18.32	16.38	92.60	168.73
18.34	16.19	94.37	163.50
18.36	15.87	96.15	150.70
18.38	15.72	97.93	147.80
18.40	15.79	99.49	153.03
18.42	15.81	98.37	155.36
18.44	15.67	96.15	153.03
18.46	15.27	95.93	140.82
18.48	14.72	95.93	126.87
18.50	14.41	96.82	122.80

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	14.61	98.37	132.68
18.54	15.40	99.26	163.50
18.56	16.02	99.26	181.52
18.58	16.13	99.93	182.68
18.60	15.93	98.82	169.89
18.62	15.83	97.93	164.66
18.64	15.67	97.93	157.68
18.66	15.40	99.49	149.54
18.68	15.06	105.04	139.66
18.70	14.94	110.60	137.33
18.72	14.93	113.49	140.82
18.74	14.88	114.15	140.24
18.76	14.89	112.82	140.82
18.78	15.10	113.04	147.21
18.80	15.42	111.48	158.26
18.82	15.88	109.93	172.22
18.84	16.32	110.59	185.59
18.86	16.69	111.48	194.31
18.88	16.85	113.04	191.40
18.90	17.10	116.82	189.08
18.92	17.58	117.70	196.64
18.94	18.07	119.04	205.36
18.96	18.82	122.59	223.38
18.98	19.79	125.70	240.24
19.00	20.25	126.22	176.87
19.02	20.42	127.11	160.00
19.04	20.53	125.78	153.61
19.06	20.74	124.45	152.45
19.08	20.67	124.00	154.78
19.10	20.65	124.44	158.84
19.12	20.54	125.11	160.00
19.14	20.01	123.33	146.63
19.16	19.63	119.10	143.73
19.18	19.53	116.88	150.70
19.20	19.45	111.11	147.21
19.22	19.49	104.44	151.87
19.24	19.36	98.66	152.45
19.26	19.18	94.66	157.10
19.28	19.23	90.22	165.24
19.30	18.89	90.66	145.47
19.32	23.72	46.83	318.74
19.34	22.89	49.28	241.40
19.36	21.93	58.16	217.57
19.38	21.03	68.16	198.38
19.40	20.56	79.05	192.57
19.42	20.14	86.38	185.01
19.44	19.68	94.60	172.22
19.46	19.25	96.82	162.33
19.48	19.09	95.93	157.68
19.50	19.01	90.16	155.36

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	18.46	85.71	140.82
19.54	17.56	82.60	122.80
19.56	16.96	79.94	122.21
19.58	16.69	79.05	127.45
19.60	16.82	78.61	137.33
19.62	17.02	73.50	145.47
19.64	16.84	71.28	139.08
19.66	16.81	67.28	140.82
19.68	17.13	64.84	151.87
19.70	17.69	65.28	168.73
19.72	18.63	64.39	181.52
19.74	19.73	63.95	197.80
19.76	20.23	60.62	206.52
19.78	20.36	67.29	191.40
19.80	20.95	67.74	204.78
19.82	21.47	73.52	212.92
19.84	21.69	77.74	207.69
19.86	21.85	80.19	212.33
19.88	22.05	84.86	210.59
19.90	22.62	88.19	225.71
19.92	23.02	91.30	228.03
19.94	23.48	90.63	223.96
19.96	23.84	92.41	223.38
19.98	24.00	92.41	222.22
20.00	27.37	56.83	134.42
20.02	26.15	67.50	126.87
20.04	25.25	79.95	140.24
20.06	24.83	88.39	153.03
20.08	24.66	91.49	168.73
20.10	24.35	92.38	173.96
20.12	24.40	87.04	179.20
20.14	23.88	84.15	168.73
20.16	22.64	88.15	144.31
20.18	20.70	89.03	115.24
20.20	18.89	86.59	101.28
20.22	17.95	87.25	110.59
20.24	17.43	85.70	115.82
20.26	16.54	82.37	109.42
20.28	15.81	80.37	108.84
20.30	15.54	77.70	116.98
20.32	15.77	75.03	132.68
20.34	16.36	73.92	147.80
20.36	16.95	73.70	155.36
20.38	17.05	74.59	150.70
20.40	16.72	73.48	141.98
20.42	15.93	70.15	125.70
20.44	14.81	71.26	110.00
20.46	13.89	75.48	105.35
20.48	13.29	79.26	109.42
20.50	12.89	81.04	114.08

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	12.61	79.71	119.89
20.54	12.44	77.71	125.12
20.56	12.43	73.71	130.93
20.58	12.63	71.27	140.82
20.60	12.97	68.16	148.96
20.62	13.16	66.16	148.96
20.64	13.20	65.72	148.38
20.66	13.27	66.39	151.87
20.68	13.56	68.17	161.17
20.70	13.87	69.95	166.40
20.72	14.05	69.28	165.24
20.74	14.16	70.17	161.75
20.76	14.26	71.29	163.50
20.78	14.35	71.29	162.91
20.80	14.41	72.18	163.50
20.82	14.50	73.73	164.08
20.84	14.82	75.07	172.22
20.86	15.36	77.07	179.20
20.88	15.79	77.07	180.94
20.90	15.80	75.30	175.70
20.92	15.49	74.85	167.57
20.94	17.10	55.96	194.31
20.96	16.21	62.63	173.38
20.98	15.53	68.85	171.63
21.00	15.12	73.07	176.29
21.02	14.93	77.07	180.94
21.04	14.94	79.07	187.33
21.06	15.12	77.29	193.15
21.08	15.42	71.51	200.12
21.10	15.69	66.62	203.61
21.12	15.95	63.95	205.36
21.14	16.18	64.40	208.27
21.16	16.49	65.51	214.66
21.18	16.86	66.40	216.99
21.20	17.00	67.51	212.92
21.22	16.78	71.51	203.03
21.24	16.62	76.62	198.96
21.26	16.57	81.51	200.70
21.28	16.73	85.07	207.10
21.30	17.09	85.73	216.40
21.32	17.16	87.07	214.08
21.34	17.35	85.95	209.43
21.36	17.61	83.73	212.92
21.38	17.77	83.29	214.08
21.40	18.12	82.84	218.73
21.42	18.48	83.51	221.64
21.44	18.98	83.96	229.78
21.46	19.32	84.18	230.94
21.48	19.51	84.62	233.27
21.50	19.52	86.18	233.27

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	19.31	88.18	225.71
21.54	18.48	91.29	201.29
21.56	17.69	94.62	175.12
21.58	17.09	94.62	160.59
21.60	16.80	93.29	159.42
21.62	16.66	91.51	161.75
21.64	16.32	88.84	157.68
21.66	15.89	84.62	152.45
21.68	15.48	79.07	147.80
21.70	15.14	73.95	146.05
21.72	14.90	71.07	144.89
21.74	14.84	68.18	146.63
21.76	14.80	66.84	148.96
21.78	14.77	67.29	148.38
21.80	14.63	67.95	147.80
21.82	14.57	68.18	150.12
21.84	14.69	67.29	157.10
21.86	14.81	66.40	160.59
21.88	14.81	66.18	158.26
21.90	14.84	66.18	161.17
21.92	14.88	66.40	164.66
21.94	18.40	36.66	284.43
21.96	18.21	39.77	251.87
21.98	17.44	46.44	237.34
22.00	16.84	54.44	235.59
22.02	16.54	62.44	241.99
22.04	16.45	67.99	250.71
22.06	16.40	72.21	258.85
22.08	16.24	74.88	260.01
22.10	15.92	73.54	254.78
22.12	15.57	69.32	252.45
22.14	15.19	65.54	243.73
22.16	14.71	62.87	235.59
22.18	14.12	60.20	221.64
22.20	13.44	58.42	203.61
22.22	12.32	57.09	171.63
22.24	10.94	66.87	133.26
22.26	10.09	78.42	119.30
22.28	9.42	81.76	112.33
22.30	8.89	76.64	106.51
22.32	8.94	57.75	116.40
22.34	9.02	49.08	126.29
22.36	8.94	47.08	130.35
22.38	8.90	44.86	135.00
22.40	8.75	45.30	136.17
22.42	8.15	47.30	122.21
22.44	7.27	47.08	106.51
22.46	6.29	42.41	85.59
22.48	5.21	39.96	65.23
22.50	4.49	39.08	55.93

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	3.84	40.63	48.95
22.54	3.79	36.19	57.68
22.56	6.02	38.41	161.75
22.58	10.22	43.08	345.48
22.60	12.87	43.31	315.83
22.62	13.79	46.86	282.10
22.64	13.87	44.42	257.69
22.66	13.08	44.20	223.38
22.68	12.66	49.76	216.99
22.70	12.57	50.87	211.17
22.72	12.56	54.20	207.69
22.74	12.53	38.20	208.85
22.76	12.46	37.31	208.85
22.78	12.31	39.76	204.20
22.80	12.04	43.10	199.54
22.82	11.89	45.32	200.12
22.84	11.90	44.43	204.20
22.86	12.32	45.77	223.38
22.88	13.26	47.77	256.52
22.90	14.08	52.21	275.71
22.92	14.77	57.54	288.50
22.94	15.28	60.43	292.57
22.96	15.46	62.88	287.34
22.98	19.03	46.70	348.97
23.00	18.39	50.26	254.78
23.02	17.40	54.04	223.38
23.04	16.50	59.15	206.52
23.06	16.07	64.92	216.99
23.08	15.95	68.92	235.59
23.10	15.99	75.14	255.36
23.12	16.20	80.92	275.71
23.14	16.52	83.80	293.15
23.16	17.01	84.02	312.92
23.18	17.63	82.91	330.37
23.20	18.12	80.90	340.25
23.22	18.61	81.12	337.34
23.24	19.17	81.34	344.90
23.26	19.58	83.78	326.30
23.28	19.84	85.78	314.67
23.30	19.17	86.67	280.36
23.32	17.71	90.89	233.85
23.34	16.20	95.77	197.80
23.36	15.06	98.88	178.61
23.38	14.29	101.77	170.47
23.40	13.72	101.77	168.15
23.42	13.17	101.32	163.50
23.44	12.66	97.98	161.17
23.46	12.20	88.65	158.84
23.48	11.68	79.76	154.19
23.50	11.30	73.98	153.03

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	11.19	71.09	160.00
23.54	11.15	67.31	165.24
23.56	11.03	62.64	165.82
23.58	10.93	57.97	164.66
23.60	10.99	53.97	178.03
23.62	10.99	54.41	153.03
23.64	10.81	49.08	158.26
23.66	11.08	50.85	176.29
23.68	11.40	48.19	191.40
23.70	11.89	46.63	211.17
23.72	12.53	46.85	231.52
23.74	13.40	49.08	259.43
23.76	14.46	51.52	287.92
23.78	15.42	40.63	307.11
23.80	15.77	41.08	285.01
23.82	16.08	40.86	279.78
23.84	16.04	41.75	271.06
23.86	15.62	43.53	249.55
23.88	14.97	48.87	226.87
23.90	14.53	51.98	215.82
23.92	14.31	54.42	221.06
23.94	14.01	57.09	208.85
23.96	13.82	61.54	201.87
23.98	13.47	60.92	247.22
24.00	13.41	60.48	230.36
24.02	13.49	60.70	237.92
24.04	13.60	61.37	242.57
24.06	13.44	62.03	236.18
24.08	13.11	55.59	227.45
24.10	12.88	55.36	227.45
24.12	12.89	55.58	237.34
24.14	13.10	56.03	249.55
24.16	13.27	54.69	255.94
24.18	13.32	52.25	255.94
24.20	13.13	52.02	245.48
24.22	12.94	52.24	238.50
24.24	12.94	52.69	243.73
24.26	13.15	54.46	254.78
24.28	13.42	58.24	264.08
24.30	13.54	55.57	266.41
24.32	13.53	53.35	264.08
24.34	13.49	51.79	261.76
24.36	13.43	51.35	258.27
24.38	13.45	52.01	259.43
24.40	13.50	54.01	262.92
24.42	13.63	56.01	269.31
24.44	13.72	58.45	273.97
24.46	13.64	60.23	266.41
24.48	13.42	60.67	247.80
24.50	13.23	61.78	237.92

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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BONDENO ALBAREDA**

Cantiere **SOVRAPASSO 124**

Data **2506\12**

Preforo **0.50 m. p.c.** Falda **2.00 ml**

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	13.28	62.89	242.57
24.54	13.73	63.11	267.57
24.56	14.47	66.89	299.55
24.58	14.99	64.89	307.11
24.60	15.10	60.00	282.69
24.62	14.74	56.89	251.87
24.64	14.31	57.55	231.52
24.66	14.02	60.44	219.90
24.68	13.77	62.66	217.57
24.70	13.42	65.55	211.75
24.72	13.28	66.66	203.61
24.74	12.98	69.11	205.36
24.76	12.96	65.55	200.12
24.78	12.75	62.66	196.06
24.80	12.62	61.55	202.45
24.82	12.68	59.33	200.12
24.84	12.61	57.11	207.69
24.86	12.50	53.11	204.78
24.88	12.40	49.77	203.03
24.90	12.38	48.22	201.87
24.92	12.20	47.33	191.40
24.94	11.92	47.77	186.75
24.96	11.82	47.99	185.59
24.98	11.45	48.26	240.82
25.00	11.51	46.93	232.10
25.02	11.35	46.93	232.10
25.04	11.04	46.71	233.27
25.06	10.97	45.37	235.59
25.08	10.94	43.59	221.64
25.10	10.91	44.04	232.10
25.12	11.02	43.37	230.36
25.14	11.04	45.37	235.01
25.16	11.45	46.48	251.87
25.18	11.80	47.37	248.39
25.20	12.35	49.37	278.04
25.22	13.34	53.37	290.83
25.24	14.44	64.26	320.48
25.26	14.99	58.47	300.71
25.28	14.51	56.92	268.73
25.30	13.98	62.47	230.36
25.32	13.42	72.25	214.66
25.34	13.16	80.91	225.71
25.36	13.19	84.91	223.96
25.38	13.40	90.03	250.13
25.40	13.40	87.80	248.97
25.42	13.29	77.14	239.66
25.44	13.13	66.91	233.85
25.46	13.04	61.35	230.94
25.48	12.75	58.02	218.73
25.50	12.75	55.13	235.59

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	12.76	51.57	222.80
25.54	12.81	50.46	226.87
25.56	13.23	52.69	263.50
25.58	14.06	56.91	287.34
25.60	15.15	58.91	306.53
25.62	15.46	56.02	297.22
25.64	15.53	55.13	278.04
25.66	14.88	55.35	243.15
25.68	14.17	58.01	219.90
25.70	13.99	62.01	229.20
25.72	13.57	69.12	224.55
25.74	13.09	76.45	217.57
25.76	13.15	76.45	209.43
25.78	12.75	76.68	200.12
25.80	12.71	75.12	202.45
25.82	12.87	72.45	219.90
25.84	12.46	70.45	215.82
25.86	12.38	68.90	221.64
25.88	12.37	65.56	205.94
25.90	12.46	63.34	210.59
25.92	12.31	62.45	205.94
25.94	15.35	71.56	313.50
25.96	15.75	74.23	316.41
25.98	15.70	72.45	319.90
26.00	14.96	74.67	296.64
26.02	14.25	77.33	279.20
26.04	13.61	76.67	266.99
26.06	13.08	73.55	257.10
26.08	12.43	71.33	239.66
26.10	11.83	69.99	223.96
26.12	11.41	66.88	215.24
26.14	11.43	60.43	228.03
26.16	11.94	55.10	259.43
26.18	12.91	53.32	285.60
26.20	14.23	49.32	332.11
26.22	15.62	43.99	365.83
26.24	17.06	40.43	393.16
26.26	18.10	39.77	345.48
26.28	17.98	40.88	314.09
26.30	17.01	51.77	267.57
26.32	15.88	65.55	231.52
26.34	15.11	78.00	215.82
26.36	14.56	90.00	209.43
26.38	14.38	99.78	212.92
26.40	14.53	103.78	228.03
26.42	14.59	101.11	239.66
26.44	14.66	92.22	250.71
26.46	14.71	84.66	258.27
26.48	14.78	79.10	267.57
26.50	14.85	73.99	274.55

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	14.82	69.99	273.97
26.54	14.79	67.54	276.88
26.56	14.63	66.43	272.22
26.58	14.49	66.21	268.15
26.60	14.36	67.32	265.25
26.62	14.27	67.76	262.34
26.64	14.25	67.76	264.08
26.66	14.31	67.76	268.15
26.68	14.39	67.32	273.39
26.70	14.30	67.31	265.25
26.72	14.35	65.76	264.08
26.74	14.39	63.76	266.99
26.76	14.41	63.09	265.25
26.78	14.48	61.76	269.90
26.80	14.46	60.87	274.55
26.82	14.47	60.20	269.31
26.84	14.48	60.65	272.22
26.86	14.53	61.76	279.78
26.88	16.73	64.89	305.95
26.90	16.57	68.89	294.32
26.92	16.52	72.89	303.62
26.94	16.56	76.22	318.74
26.96	16.78	78.00	337.92
26.98	17.07	79.99	354.79
27.00	17.46	78.88	373.97
27.02	17.82	75.10	385.02
27.04	18.04	74.65	378.62
27.06	18.32	75.54	379.79
27.08	18.51	77.09	376.30
27.10	18.86	80.20	384.44
27.12	19.20	83.54	385.02
27.14	19.33	85.98	376.30
27.16	18.86	86.42	343.16
27.18	17.97	89.53	303.04
27.20	17.13	94.42	279.20
27.22	16.55	96.86	268.15
27.24	16.12	98.86	266.99
27.26	15.86	98.64	265.25
27.28	15.83	97.97	274.55
27.30	16.05	94.85	293.73
27.32	16.38	90.18	311.76
27.34	16.67	82.85	318.74
27.36	16.76	78.62	318.16
27.38	16.70	76.40	308.27
27.40	16.49	77.06	294.90
27.42	16.31	77.73	286.76
27.44	16.04	80.17	276.29
27.46	15.78	83.50	266.41
27.48	15.64	84.17	273.97
27.50	15.44	85.28	262.34

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 2506\12

Preforo 0.50 m. p.c. Falda 2.00 ml

Prova **2**

Cert. N. 357/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	15.30	84.61	255.94
27.54	15.17	83.50	250.13
27.56	15.05	82.39	247.22
27.58	15.10	80.83	253.62
27.60	15.52	79.95	276.29
27.62	16.08	78.39	302.46
27.64	16.84	75.94	330.95
27.66	17.88	73.72	367.58
27.68	19.58	73.94	430.95
27.70	21.59	77.50	478.63
27.72	22.60	82.16	411.19
27.74	24.55	81.50	410.60
27.76	25.49	89.05	386.76
27.78	26.05	99.72	358.28
27.80	26.29	112.17	333.27
27.82	26.35	129.06	317.58
27.84	31.08	115.97	268.73
27.86	29.97	143.74	255.94
27.88	29.31	169.30	296.06
27.90	28.71	193.07	314.67
27.92	28.02	210.62	308.85
27.94	26.93	222.40	301.30
27.96	25.48	228.83	277.46
27.98	23.50	234.37	235.59
28.00	21.36	236.81	189.08
28.02	19.66	237.03	165.82
28.04	18.36	232.35	156.52
28.06	17.68	219.90	166.40
28.08	17.25	202.34	174.54
28.10	16.88	183.44	174.54
28.12	16.81	161.21	186.75
28.14	16.69	138.10	190.24
28.16	16.70	117.65	200.12
28.18	16.71	98.54	198.38
28.20	16.60	84.09	194.89
28.22	16.07	74.54	182.68
28.24	15.52	70.54	186.17
28.26	15.04	66.77	191.40
28.28	14.54	59.88	186.75
28.30	14.36	56.33	198.96
28.32	14.07	52.12	194.31
28.34	14.14	46.79	207.10
28.36	14.15	42.35	210.01
28.38	14.22	41.91	212.92
28.40	14.49	43.92	219.90
28.42	14.76	43.04	229.20
28.44	14.98	44.15	225.13
28.46	15.36	43.93	237.92
28.48	15.77	44.16	243.15
28.50	16.20	43.94	248.97

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	16.84	44.61	257.69
28.54	17.47	46.39	269.31
28.56	18.04	45.95	266.99
28.58	18.48	47.29	259.43
28.60	18.71	47.95	257.69
28.62	19.08	49.74	257.69
28.64	19.52	52.63	261.18
28.66	20.09	59.52	275.71
28.68	20.43	61.30	271.06
28.70	20.59	59.08	266.99
28.72	20.57	59.97	258.85
28.74	20.72	59.97	264.08
28.76	20.61	64.19	257.69
28.78	20.38	69.30	248.97
28.80	20.52	75.53	261.76
28.82	23.97	58.85	303.04
28.84	23.41	70.18	289.67
28.86	22.63	80.18	290.25
28.88	21.42	92.18	276.29
28.90	19.85	101.06	250.71
28.92	17.82	99.95	208.27
28.94	15.85	102.39	172.80
28.96	14.17	106.83	143.15
28.98	13.03	108.16	146.05
29.00	12.15	104.60	148.96
29.02	11.59	96.82	160.59
29.04	11.10	87.71	165.24
29.06	10.72	78.37	171.05
29.08	10.42	68.82	176.29
29.10	10.19	60.82	183.26
29.12	10.03	54.59	189.66
29.14	9.91	49.70	194.89
29.16	9.90	45.70	203.03
29.18	9.95	42.81	213.50
29.20	10.11	40.81	223.96
29.22	10.37	40.82	238.50
29.24	10.77	41.93	253.03
29.26	11.29	43.26	269.90
29.28	11.92	44.82	285.01
29.30	12.66	46.82	296.64
29.32	13.43	49.71	306.53
29.34	14.09	51.93	307.69
29.36	14.49	54.15	300.71
29.38	14.69	57.71	287.34
29.40	14.38	63.04	256.52
29.42	13.84	71.05	228.61
29.44	13.38	76.16	221.06
29.46	13.04	79.27	220.48
29.48	12.83	80.16	223.96
29.50	12.71	78.61	229.20

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	12.65	75.28	233.27
29.54	12.58	71.06	232.69
29.56	12.61	67.28	238.50
29.58	12.65	64.84	240.82
29.60	12.76	62.61	246.64
29.62	12.88	60.84	250.13
29.64	13.10	60.17	261.18
29.66	13.40	59.50	269.90
29.68	13.73	59.28	276.29
29.70	14.22	59.95	290.25
29.72	14.92	62.40	308.27
29.74	15.91	64.84	332.69
29.76	17.15	67.51	360.02
29.78	24.15	80.43	408.86
29.80	24.58	91.54	408.86
29.82	25.02	106.20	440.84
29.84	25.38	122.20	459.44
29.86	25.73	137.97	471.07
29.88	25.75	151.30	459.44
29.90	25.70	163.52	453.63
29.92	25.57	176.85	448.98
29.94	25.34	189.51	435.60
29.96	25.03	199.07	425.72
29.98	24.73	204.84	412.35
30.00	24.32	205.72	403.62
30.02	23.82	205.72	386.18
30.04	23.18	206.16	371.07
30.06	22.39	204.82	349.55
30.08	21.70	200.15	334.43
30.10	21.16	196.81	333.27
30.12	20.68	191.69	324.55
30.14	20.21	186.58	313.50
30.16	19.85	182.12	308.27
30.18	19.41	176.56	300.13
30.20	18.83	169.45	283.85
30.22	18.32	164.33	265.83
30.24	17.62	161.88	244.90
30.26	17.30	158.99	235.01
30.28	17.17	155.65	238.50
30.30	17.11	151.43	235.59
30.32	17.13	147.65	238.50
30.34	17.09	142.54	236.76
30.36	16.93	140.09	229.78
30.38	16.52	139.87	215.82
30.40	16.16	137.87	210.59
30.42	15.86	137.65	208.27
30.44	15.92	137.87	221.06
30.46	16.34	137.20	241.99
30.48	17.17	136.54	269.31
30.50	18.53	137.21	306.53

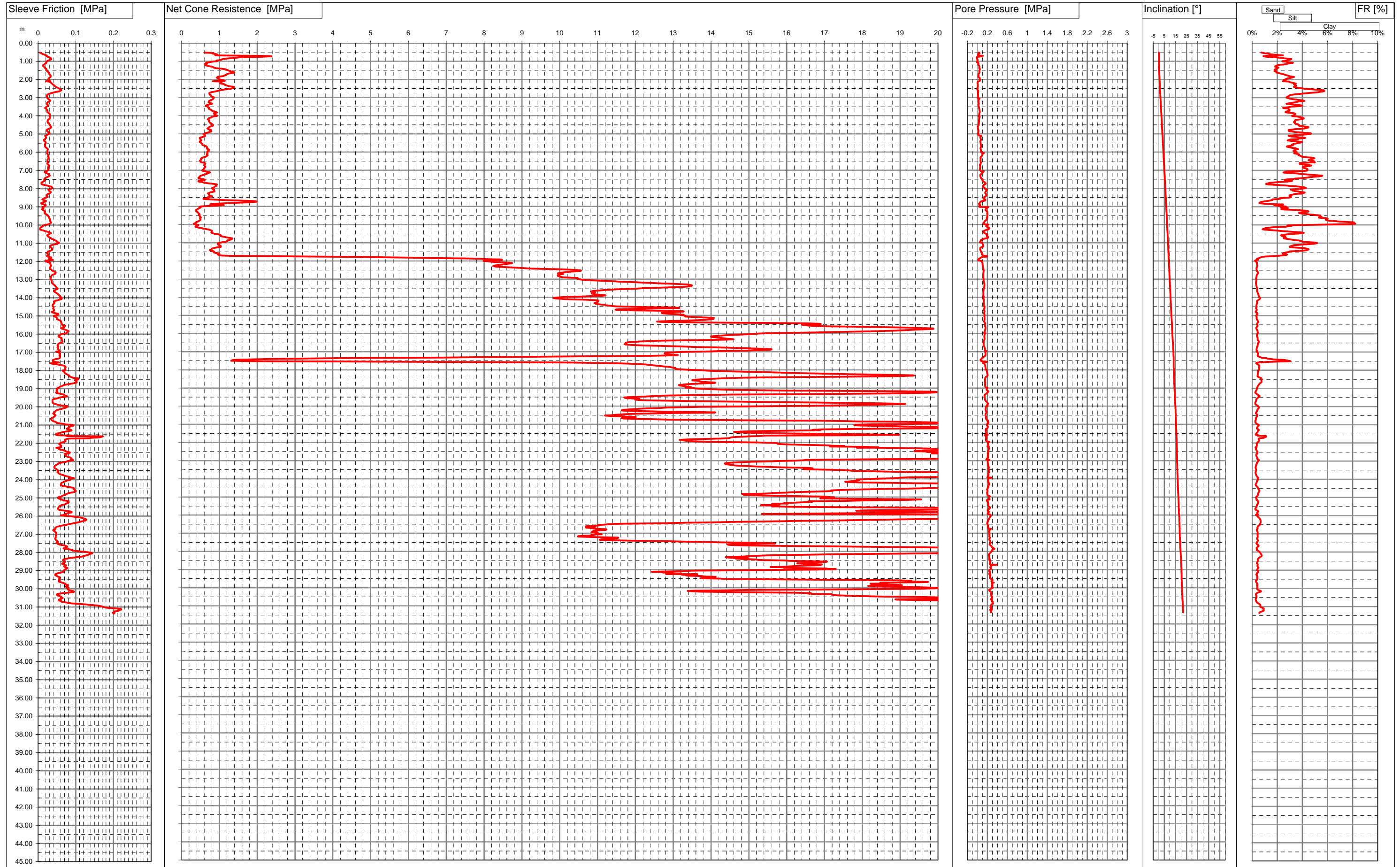




Committente AUTOBRENNERO SPA  
 Località BONDENO ALBAREDA  
 Cantiere SOVRAPASSO 124  
 Operatore dr.stanzani  
 Prova nr. 1 Cert. N. 356/2012  
 Data 25/06/12 Emesso il 25/06/2012  
 Falda 2.50 ml  
 Preforo 0.50 m. p.c.

**MN-CPTU23**


  
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**Intergeo** s.r.l.



Committente **AUTOBRENNERO SPA**

Località **BONDENO ALBAREDA**

Cantiere **SOVRAPASSO 124**

Data **25\06\12**

Preforo **0.50 m. p.c. Falda 2.50 ml**

Prova **1**

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
0.52	0.61	4.46	26.86
0.54	0.77	6.46	36.74
0.56	0.85	8.91	42.56
0.58	0.82	10.46	20.46
0.60	0.89	12.24	19.88
0.62	0.94	14.47	17.56
0.64	0.94	16.69	20.46
0.66	0.89	19.81	11.16
0.68	0.90	22.70	12.32
0.70	2.09	23.59	110.59
0.72	2.38	21.59	99.54
0.74	2.28	24.70	57.10
0.76	2.03	25.82	8.83
0.78	1.55	28.93	-12.10
0.80	1.46	31.38	-10.35
0.82	1.40	32.94	-12.10
0.84	1.28	34.72	-13.26
0.86	1.16	34.50	-6.28
0.88	1.09	35.17	-3.38
0.90	1.07	33.84	-0.47
0.92	1.04	31.40	5.93
0.94	0.99	28.96	5.35
0.96	0.93	26.74	0.11
0.98	0.92	25.41	-3.38
1.00	0.94	22.97	-2.21
1.02	0.82	22.08	1.86
1.04	0.77	21.87	-3.38
1.06	0.72	20.98	-7.44
1.08	0.65	21.88	12.90
1.10	0.68	21.30	22.21
1.12	0.65	19.53	18.14
1.14	0.63	17.97	16.40
1.16	0.61	17.09	16.40
1.18	0.62	15.76	17.56
1.20	0.67	13.98	19.30
1.22	0.64	13.54	29.77
1.24	0.67	13.10	31.51
1.26	0.69	13.32	33.84
1.28	0.75	13.99	36.16
1.30	0.82	15.11	39.65
1.32	0.83	16.89	41.40
1.34	0.85	17.56	37.90
1.36	0.85	18.23	35.00
1.38	0.91	18.23	34.42
1.40	1.01	20.02	40.81
1.42	1.10	22.02	49.53
1.44	1.17	21.80	48.95
1.46	1.18	21.36	46.05
1.48	1.20	22.47	42.56
1.50	1.24	23.59	41.40

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
1.52	1.26	23.59	39.65
1.54	1.29	23.37	37.90
1.56	1.30	24.71	37.32
1.58	1.33	26.27	39.07
1.60	1.39	27.38	40.81
1.62	1.40	27.39	39.65
1.64	1.38	28.50	38.49
1.66	1.30	29.17	33.26
1.68	1.24	29.17	27.44
1.70	1.21	29.62	22.79
1.72	1.19	30.74	21.05
1.74	1.19	31.63	20.46
1.76	1.18	32.30	20.46
1.78	1.14	32.97	23.95
1.80	1.13	33.41	22.21
1.82	1.10	33.42	19.30
1.84	1.02	32.98	15.81
1.86	0.96	33.20	16.98
1.88	0.95	31.87	25.70
1.90	0.93	30.54	37.32
1.92	0.95	29.66	47.21
1.94	0.97	28.33	46.05
1.96	0.98	27.44	44.30
1.98	0.98	27.89	46.05
2.00	1.00	27.22	47.21
2.02	1.06	27.45	48.95
2.04	1.10	29.23	51.28
2.06	1.11	30.12	50.70
2.08	1.15	31.68	48.37
2.10	0.82	20.57	29.77
2.12	1.06	32.40	11.74
2.14	1.06	32.62	1.86
2.16	1.05	33.07	1.86
2.18	1.03	34.40	1.28
2.20	1.02	35.07	1.28
2.22	1.02	36.85	1.86
2.24	1.08	37.52	4.19
2.26	1.12	38.63	5.93
2.28	1.14	39.52	7.09
2.30	1.15	40.85	6.51
2.32	1.16	41.74	7.09
2.34	1.20	43.30	7.67
2.36	1.23	44.19	8.25
2.38	1.27	45.52	8.83
2.40	1.36	46.64	5.35
2.42	1.38	47.30	1.86
2.44	1.39	49.75	1.28
2.46	1.38	52.86	1.28
2.48	1.36	54.20	6.51
2.50	1.32	55.75	4.19

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
2.52	1.30	57.53	2.44
2.54	1.22	59.31	-0.47
2.56	1.13	60.65	-3.38
2.58	1.07	61.76	1.28
2.60	1.01	61.32	7.09
2.62	0.97	59.09	14.07
2.64	0.95	57.98	20.46
2.66	0.91	54.21	17.56
2.68	0.85	49.10	14.65
2.70	0.80	44.21	13.49
2.72	0.77	40.66	12.90
2.74	0.75	36.21	12.32
2.76	0.74	33.11	11.74
2.78	0.74	30.89	11.74
2.80	0.74	28.67	12.32
2.82	0.74	26.22	12.90
2.84	0.75	24.45	13.49
2.86	0.75	23.56	12.90
2.88	0.78	23.78	12.90
2.90	0.78	23.56	12.32
2.92	0.79	23.34	12.32
2.94	0.80	23.35	12.90
2.96	0.81	23.57	12.90
2.98	0.84	23.79	12.90
3.00	0.86	24.02	12.90
3.02	0.85	24.69	12.32
3.04	0.85	25.58	10.58
3.06	0.84	26.08	44.30
3.08	0.83	27.64	32.09
3.10	0.82	29.41	26.86
3.12	0.81	30.30	24.53
3.14	0.78	31.19	22.21
3.16	0.77	32.30	21.63
3.18	0.73	31.86	20.46
3.20	0.72	29.86	21.05
3.22	0.72	27.64	22.21
3.24	0.72	26.30	22.21
3.26	0.71	25.64	22.79
3.28	0.73	24.08	23.95
3.30	0.77	23.42	25.70
3.32	0.79	23.19	27.44
3.34	0.81	22.75	28.60
3.36	0.78	23.86	25.70
3.38	0.74	24.98	22.79
3.40	0.70	25.86	20.46
3.42	0.66	26.53	19.88
3.44	0.65	26.98	20.46
3.46	0.64	25.65	21.63
3.48	0.65	23.65	24.53
3.50	0.70	22.31	27.44

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova **1**

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
3.52	0.70	20.98	29.77
3.54	0.71	19.65	32.09
3.56	0.73	18.32	34.42
3.58	0.73	18.98	35.58
3.60	0.72	20.76	35.58
3.62	0.72	21.43	36.74
3.64	0.74	22.32	37.90
3.66	0.76	23.43	39.07
3.68	0.79	23.88	41.40
3.70	0.80	23.66	40.81
3.72	0.80	24.55	40.81
3.74	0.82	24.77	42.56
3.76	0.85	24.11	45.47
3.78	0.90	24.55	47.21
3.80	0.91	24.77	46.63
3.82	0.94	26.55	46.05
3.84	0.90	27.66	39.65
3.86	0.86	29.66	36.74
3.88	0.86	30.11	36.74
3.90	0.87	31.00	37.32
3.92	0.90	31.22	36.16
3.94	0.89	31.00	35.58
3.96	0.87	30.34	33.26
3.98	0.89	30.78	31.51
4.00	0.95	30.78	29.19
4.02	0.92	30.34	26.86
4.04	0.85	31.45	22.21
4.06	0.81	31.46	45.47
4.08	0.79	31.46	41.98
4.10	0.78	31.90	38.49
4.12	0.74	31.46	36.74
4.14	0.72	31.02	35.58
4.16	0.72	30.79	34.42
4.18	0.71	28.79	33.26
4.20	0.69	27.46	32.68
4.22	0.71	26.35	33.26
4.24	0.72	25.68	33.26
4.26	0.72	25.68	32.68
4.28	0.72	25.68	32.68
4.30	0.72	25.24	33.26
4.32	0.73	25.68	33.26
4.34	0.73	25.24	32.09
4.36	0.75	25.68	30.93
4.38	0.75	26.35	29.77
4.40	0.76	26.57	29.77
4.42	0.78	27.46	29.19
4.44	0.80	28.79	29.77
4.46	0.80	29.69	29.77
4.48	0.81	31.02	28.60
4.50	0.81	31.46	25.70

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
4.52	0.83	31.91	23.95
4.54	0.83	32.13	19.30
4.56	0.81	32.80	13.49
4.58	0.79	33.46	11.16
4.60	0.76	33.69	8.83
4.62	0.74	34.58	8.25
4.64	0.73	33.91	8.25
4.66	0.73	33.46	8.83
4.68	0.72	31.47	9.42
4.70	0.68	29.91	10.00
4.72	0.69	27.69	12.32
4.74	0.72	25.24	13.49
4.76	0.73	23.69	15.23
4.78	0.78	23.24	18.14
4.80	0.75	22.80	18.72
4.82	0.76	23.91	20.46
4.84	0.79	23.69	21.63
4.86	0.79	24.58	22.21
4.88	0.76	26.13	21.05
4.90	0.75	27.25	19.88
4.92	0.72	29.02	17.56
4.94	0.67	30.13	16.40
4.96	0.63	30.80	15.81
4.98	0.61	29.91	15.81
5.00	0.60	28.80	16.40
5.02	0.57	26.58	16.40
5.04	0.60	24.80	17.56
5.06	0.62	22.36	19.30
5.08	0.61	21.02	20.46
5.10	0.62	18.59	77.44
5.12	0.62	19.03	73.96
5.14	0.60	19.70	68.14
5.16	0.57	20.37	62.91
5.18	0.55	21.03	61.16
5.20	0.50	21.26	59.42
5.22	0.48	21.26	59.42
5.24	0.48	19.70	61.16
5.26	0.49	19.03	64.65
5.28	0.49	18.59	68.72
5.30	0.50	16.37	69.30
5.32	0.50	15.26	69.30
5.34	0.51	15.26	70.47
5.36	0.53	15.26	65.81
5.38	0.51	16.59	61.75
5.40	0.49	17.70	58.26
5.42	0.48	19.03	57.10
5.44	0.48	19.92	58.26
5.46	0.50	20.37	61.16
5.48	0.50	20.15	62.91
5.50	0.51	19.26	64.07

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
5.52	0.53	19.03	65.23
5.54	0.55	19.26	67.56
5.56	0.55	18.37	68.72
5.58	0.55	17.93	67.56
5.60	0.55	18.37	68.14
5.62	0.56	18.82	69.30
5.64	0.58	19.04	71.63
5.66	0.61	18.59	74.54
5.68	0.65	18.37	76.28
5.70	0.67	19.04	73.96
5.72	0.67	19.70	69.89
5.74	0.67	20.82	67.56
5.76	0.68	22.15	65.81
5.78	0.67	23.26	61.16
5.80	0.68	24.82	61.75
5.82	0.69	25.70	64.07
5.84	0.68	25.93	64.65
5.86	0.72	25.70	68.72
5.88	0.70	25.04	68.72
5.90	0.72	24.82	71.05
5.92	0.72	24.59	71.63
5.94	0.72	24.59	71.63
5.96	0.69	24.15	71.05
5.98	0.69	24.59	72.21
6.00	0.68	25.03	73.38
6.02	0.69	25.26	76.28
6.04	0.68	24.59	78.60
6.06	0.68	23.48	129.77
6.08	0.69	24.82	110.59
6.10	0.68	25.26	103.03
6.12	0.67	25.93	100.70
6.14	0.68	26.15	99.54
6.16	0.69	26.37	96.63
6.18	0.69	27.04	93.14
6.20	0.68	27.04	90.82
6.22	0.67	27.04	87.91
6.24	0.65	26.37	80.35
6.26	0.63	27.03	72.21
6.28	0.61	27.70	65.23
6.30	0.57	28.15	62.33
6.32	0.55	27.70	61.16
6.34	0.53	27.48	62.33
6.36	0.53	26.59	62.33
6.38	0.53	26.15	63.49
6.40	0.51	25.26	63.49
6.42	0.51	24.59	62.91
6.44	0.51	24.14	62.33
6.46	0.49	24.59	61.75
6.48	0.48	24.81	61.75
6.50	0.49	25.26	61.75

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova 1

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
6.52	0.50	25.92	62.33
6.54	0.51	26.37	64.07
6.56	0.51	27.03	67.56
6.58	0.56	25.26	72.79
6.60	0.61	23.92	71.63
6.62	0.62	24.59	68.72
6.64	0.63	24.81	65.81
6.66	0.62	25.03	61.16
6.68	0.61	25.92	51.86
6.70	0.60	27.48	49.53
6.72	0.60	29.03	49.53
6.74	0.60	29.70	51.28
6.76	0.61	28.81	53.60
6.78	0.62	28.14	55.35
6.80	0.63	27.03	57.10
6.82	0.62	26.14	56.51
6.84	0.62	26.36	56.51
6.86	0.61	25.92	55.35
6.88	0.60	26.14	52.44
6.90	0.60	27.03	52.44
6.92	0.60	27.47	53.02
6.94	0.58	26.59	53.02
6.96	0.58	26.36	53.02
6.98	0.57	26.14	52.44
7.00	0.57	25.92	56.51
7.02	0.55	24.81	59.42
7.04	0.57	23.47	64.65
7.06	0.63	17.70	128.03
7.08	0.64	17.92	114.08
7.10	0.70	19.03	112.33
7.12	0.75	19.26	112.33
7.14	0.73	20.81	99.54
7.16	0.70	24.14	91.98
7.18	0.68	25.70	83.26
7.20	0.68	26.59	76.86
7.22	0.64	28.36	75.70
7.24	0.61	29.48	67.56
7.26	0.58	29.92	57.10
7.28	0.55	31.25	55.35
7.30	0.51	30.36	54.77
7.32	0.50	29.03	57.68
7.34	0.48	26.59	59.42
7.36	0.48	24.59	62.91
7.38	0.48	22.59	65.23
7.40	0.46	21.25	66.40
7.42	0.45	19.25	68.72
7.44	0.45	17.69	73.38
7.46	0.48	16.80	80.35
7.48	0.51	17.25	88.49
7.50	0.58	16.58	98.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
7.52	0.62	16.36	103.03
7.54	0.62	17.25	102.45
7.56	0.55	17.69	100.12
7.58	0.51	16.80	100.12
7.60	0.45	14.36	102.45
7.62	0.45	12.58	111.75
7.64	0.49	11.25	126.87
7.66	0.54	10.14	142.56
7.68	0.58	8.80	149.54
7.70	0.63	8.80	155.36
7.72	0.70	8.80	163.50
7.74	0.79	9.03	167.57
7.76	0.87	9.92	165.24
7.78	0.93	12.58	147.80
7.80	0.94	16.36	135.00
7.82	0.91	21.70	128.03
7.84	0.91	25.70	118.72
7.86	0.93	28.81	114.08
7.88	0.91	32.59	108.26
7.90	0.88	35.03	108.84
7.92	0.87	36.36	112.91
7.94	0.86	37.25	118.72
7.96	0.84	37.25	144.31
7.98	0.81	36.14	143.73
8.00	0.82	34.58	148.96
8.02	0.82	32.36	151.87
8.04	0.84	30.36	154.78
8.06	0.86	27.03	192.57
8.08	0.84	28.81	185.01
8.10	0.85	28.58	185.01
8.12	0.87	29.03	181.52
8.14	0.87	30.80	173.96
8.16	0.87	33.25	172.80
8.18	0.87	33.25	166.99
8.20	0.82	33.92	160.59
8.22	0.76	33.25	157.68
8.24	0.74	31.92	155.36
8.26	0.73	30.36	155.94
8.28	0.70	28.58	164.08
8.30	0.72	25.25	168.73
8.32	0.72	24.80	173.96
8.34	0.72	23.69	179.20
8.36	0.73	22.80	182.10
8.38	0.74	22.58	175.12
8.40	0.74	23.69	171.63
8.42	0.76	24.13	172.80
8.44	0.81	25.02	163.50
8.46	0.79	25.25	144.89
8.48	0.73	22.80	134.42
8.50	0.68	21.02	136.17

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
8.52	0.72	17.91	140.82
8.54	0.67	14.80	125.70
8.56	0.60	13.69	118.72
8.58	0.57	12.36	128.61
8.60	0.68	11.25	143.15
8.62	0.84	13.69	157.68
8.64	1.03	16.58	160.59
8.66	1.28	19.25	156.52
8.68	1.65	21.69	148.38
8.70	1.90	20.80	97.21
8.72	1.99	17.25	72.21
8.74	1.98	14.36	62.91
8.76	1.86	11.91	56.51
8.78	1.66	10.36	53.60
8.80	1.41	8.13	47.79
8.82	1.17	8.58	40.23
8.84	0.97	9.47	32.68
8.86	0.80	14.36	27.44
8.88	0.76	19.25	34.42
8.90	0.98	20.36	50.70
8.92	1.12	19.91	55.93
8.94	1.02	19.91	46.63
8.96	0.80	17.69	38.49
8.98	0.64	16.36	34.42
9.00	0.51	14.13	34.42
9.02	0.48	11.02	39.07
9.04	0.51	14.14	219.31
9.06	0.50	14.36	197.80
9.08	0.49	14.36	189.08
9.10	0.46	12.80	183.85
9.12	0.45	10.58	175.70
9.14	0.42	10.14	166.40
9.16	0.42	11.25	160.59
9.18	0.39	13.69	161.17
9.20	0.38	15.25	164.08
9.22	0.38	16.80	171.05
9.24	0.38	17.69	178.03
9.26	0.39	18.36	185.59
9.28	0.39	18.36	193.73
9.30	0.42	17.92	200.12
9.32	0.42	17.25	200.12
9.34	0.43	16.80	197.22
9.36	0.45	17.69	196.64
9.38	0.46	18.80	195.48
9.40	0.46	20.36	199.54
9.42	0.48	22.14	201.87
9.44	0.48	23.91	201.29
9.46	0.48	25.03	196.06
9.48	0.46	26.14	194.89
9.50	0.48	27.02	197.22

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova 1

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
9.52	0.48	27.25	200.70
9.54	0.49	27.69	198.38
9.56	0.49	28.58	197.80
9.58	0.49	28.80	201.29
9.60	0.51	28.58	190.82
9.62	0.50	29.47	186.17
9.64	0.49	30.80	187.91
9.66	0.49	31.25	191.40
9.68	0.50	31.25	191.40
9.70	0.50	31.02	188.50
9.72	0.50	31.02	188.50
9.74	0.50	31.47	178.03
9.76	0.49	31.47	166.99
9.78	0.48	31.47	157.10
9.80	0.45	32.36	150.70
9.82	0.44	33.24	142.56
9.84	0.42	33.91	140.24
9.86	0.39	34.36	136.17
9.88	0.39	34.36	130.93
9.90	0.38	32.80	121.63
9.92	0.36	31.46	119.30
9.94	0.33	29.91	119.89
9.96	0.32	27.24	123.38
9.98	0.36	23.91	129.77
10.00	0.40	17.91	218.15
10.02	0.45	14.80	199.54
10.04	0.45	12.80	177.45
10.06	0.40	13.02	174.54
10.08	0.39	11.25	172.22
10.10	0.37	10.36	179.20
10.12	0.37	8.14	193.15
10.14	0.42	6.80	213.50
10.16	0.45	6.14	228.61
10.18	0.50	5.25	233.85
10.20	0.54	5.69	231.52
10.22	0.57	6.14	236.76
10.24	0.63	5.25	221.64
10.26	0.70	6.81	216.99
10.28	0.74	9.25	185.01
10.30	0.75	13.03	169.89
10.32	0.78	16.14	153.61
10.34	0.81	19.70	137.91
10.36	0.81	22.59	125.70
10.38	0.81	26.59	120.47
10.40	0.80	29.48	118.14
10.42	0.80	32.36	121.63
10.44	0.79	33.70	128.03
10.46	0.81	33.70	139.66
10.48	0.84	31.25	152.45
10.50	0.87	29.03	167.57

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
10.52	0.93	27.25	186.17
10.54	0.98	25.70	196.64
10.56	1.00	24.14	196.06
10.58	1.03	24.14	196.06
10.60	1.05	25.03	193.15
10.62	1.05	26.14	185.01
10.64	1.05	28.36	197.22
10.66	1.10	28.59	208.85
10.68	1.14	29.70	211.17
10.70	1.20	30.81	203.61
10.72	1.23	34.36	211.75
10.74	1.32	33.92	192.57
10.76	1.35	35.92	166.99
10.78	1.34	38.80	136.17
10.80	1.33	41.02	115.24
10.82	1.31	43.47	93.14
10.84	1.27	44.80	78.60
10.86	1.22	47.02	68.72
10.88	1.22	49.02	68.72
10.90	1.22	48.36	63.49
10.92	1.19	49.91	58.84
10.94	1.17	50.80	55.93
10.96	1.10	54.13	51.28
10.98	1.05	55.69	50.70
11.00	1.00	54.36	100.12
11.02	0.97	52.13	101.86
11.04	0.96	49.47	103.03
11.06	0.96	45.69	104.77
11.08	0.97	40.80	107.10
11.10	0.97	37.02	111.17
11.12	1.00	33.91	112.33
11.14	1.00	33.24	114.08
11.16	1.02	33.24	116.98
11.18	1.04	32.58	119.30
11.20	1.04	32.13	116.98
11.22	1.04	32.13	105.35
11.24	1.00	34.36	87.33
11.26	0.93	35.91	65.81
11.28	0.87	37.02	58.84
11.30	0.83	37.47	55.93
11.32	0.80	37.24	54.77
11.34	0.80	37.69	56.51
11.36	0.79	37.24	57.10
11.38	0.78	35.69	55.93
11.40	0.75	33.91	58.26
11.42	0.76	31.91	61.75
11.44	0.78	29.69	65.81
11.46	0.84	25.91	71.05
11.48	0.83	25.69	71.63
11.50	0.87	25.69	76.28

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
11.52	0.87	23.91	75.70
11.54	0.86	23.46	77.44
11.56	0.91	23.46	85.59
11.58	1.00	24.80	93.72
11.60	1.00	26.35	91.40
11.62	0.96	26.35	86.17
11.64	0.95	27.24	89.07
11.66	0.96	26.58	94.89
11.68	0.99	25.02	105.35
11.70	1.07	23.69	116.98
11.72	1.31	23.46	146.63
11.74	2.19	25.69	193.15
11.76	3.60	31.24	190.24
11.78	4.72	34.80	109.42
11.80	5.47	35.24	77.44
11.82	6.06	34.80	67.56
11.84	6.67	33.69	56.51
11.86	7.45	28.58	49.53
11.88	7.87	29.69	33.26
11.90	8.06	33.91	19.88
11.92	8.44	39.24	16.40
11.94	8.48	27.02	16.40
11.96	8.17	18.58	18.14
11.98	8.04	18.80	21.05
12.00	7.98	22.35	89.65
12.02	8.08	22.79	90.82
12.04	8.18	26.13	92.56
12.06	8.29	29.90	94.89
12.08	8.52	32.35	97.80
12.10	8.68	32.12	100.70
12.12	8.74	31.24	101.86
12.14	8.68	32.12	102.45
12.16	8.61	32.57	103.03
12.18	8.55	33.23	104.19
12.20	8.47	33.67	104.19
12.22	8.39	33.89	104.77
12.24	8.32	34.34	105.35
12.26	8.27	33.67	105.93
12.28	8.24	33.22	106.51
12.30	8.27	32.55	107.68
12.32	8.37	31.89	108.84
12.34	8.54	31.22	111.17
12.36	8.73	30.77	112.91
12.38	8.93	30.99	114.66
12.40	9.07	32.10	115.82
12.42	9.24	32.77	116.98
12.44	9.59	33.88	119.89
12.46	9.97	34.99	122.80
12.48	10.25	35.87	124.54
12.50	10.45	36.98	125.12

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova 1

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
12.52	10.55	38.54	125.12
12.54	10.56	39.87	125.12
12.56	10.50	42.53	123.96
12.58	10.37	44.98	122.80
12.60	10.25	46.75	122.21
12.62	10.16	46.75	121.63
12.64	10.06	46.75	120.47
12.66	9.97	46.75	119.30
12.68	9.95	45.63	119.30
12.70	10.03	43.19	119.89
12.72	10.09	40.08	119.89
12.74	10.03	38.29	119.30
12.76	9.97	36.74	118.14
12.78	9.95	35.85	118.14
12.80	9.95	35.18	118.14
12.82	9.96	34.73	118.14
12.84	9.95	34.51	118.14
12.86	10.01	34.73	118.14
12.88	10.03	33.84	118.14
12.90	10.09	33.62	118.72
12.92	10.26	32.73	119.89
12.94	10.47	32.73	121.05
12.96	10.46	33.18	122.21
12.98	10.49	32.51	120.47
13.00	10.48	34.29	120.47
13.02	10.54	35.18	121.05
13.04	10.62	36.07	121.63
13.06	10.77	36.07	122.80
13.08	10.98	36.07	124.54
13.10	11.19	35.84	126.29
13.12	11.43	35.84	128.61
13.14	11.60	36.06	129.77
13.16	11.83	36.28	131.52
13.18	12.06	36.73	133.26
13.20	12.25	37.39	134.42
13.22	12.48	38.50	136.17
13.24	12.73	39.61	137.91
13.26	12.99	40.72	139.08
13.28	13.24	42.06	140.24
13.30	13.38	43.17	140.82
13.32	13.45	44.05	140.24
13.34	13.49	45.39	140.24
13.36	13.49	45.83	139.66
13.38	13.47	46.71	139.08
13.40	13.45	47.38	138.50
13.42	13.35	48.27	137.33
13.44	13.14	49.38	135.59
13.46	12.87	49.82	133.26
13.48	12.49	50.93	130.35
13.50	12.21	52.04	128.61

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
13.52	12.05	51.37	128.03
13.54	11.82	48.93	126.29
13.56	11.57	46.48	125.12
13.58	11.36	44.92	123.38
13.60	11.21	43.36	122.80
13.62	11.07	41.81	121.63
13.64	10.96	41.80	121.05
13.66	10.87	43.14	119.89
13.68	10.83	44.25	119.89
13.70	10.83	45.58	119.30
13.72	10.88	47.13	119.30
13.74	10.93	49.13	119.30
13.76	10.88	50.24	118.72
13.78	10.88	51.57	118.14
13.80	10.84	52.91	117.56
13.82	10.90	53.79	117.56
13.84	10.91	54.24	117.56
13.86	11.06	55.79	118.14
13.88	11.18	57.12	118.72
13.90	11.21	57.57	118.72
13.92	11.11	57.57	116.98
13.94	10.84	58.45	114.66
13.96	10.54	60.45	111.17
13.98	10.17	56.92	133.26
14.00	9.99	60.03	126.87
14.02	9.88	61.81	123.38
14.04	9.83	63.14	122.21
14.06	9.89	62.70	122.21
14.08	9.99	60.48	122.80
14.10	10.12	57.14	123.38
14.12	10.37	54.70	125.70
14.14	10.68	50.92	128.03
14.16	10.95	46.92	129.19
14.18	11.02	44.03	129.19
14.20	11.01	42.03	129.19
14.22	11.01	42.03	129.19
14.24	11.01	42.47	129.19
14.26	10.99	43.36	129.19
14.28	10.99	43.58	129.19
14.30	10.95	43.36	129.19
14.32	10.91	42.25	129.19
14.34	10.94	41.14	129.77
14.36	10.96	40.03	129.77
14.38	11.00	39.58	130.35
14.40	11.09	39.13	130.93
14.42	11.19	38.25	131.52
14.44	11.22	38.24	131.52
14.46	11.30	39.13	132.10
14.48	11.39	40.02	132.68
14.50	11.48	40.91	133.84

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
14.52	11.69	41.13	135.59
14.54	12.27	41.57	139.66
14.56	12.92	40.46	144.31
14.58	13.16	39.80	144.31
14.60	13.00	39.80	141.40
14.62	12.53	40.46	137.33
14.64	11.96	41.57	132.68
14.66	11.57	42.02	130.35
14.68	11.48	42.46	130.35
14.70	11.61	42.46	131.52
14.72	11.96	41.79	135.00
14.74	12.64	40.90	140.24
14.76	13.16	37.57	143.15
14.78	13.28	36.01	142.56
14.80	13.17	37.57	140.24
14.82	12.99	39.79	137.91
14.84	12.80	44.23	136.17
14.86	12.69	49.57	135.00
14.88	12.71	52.68	135.00
14.90	12.81	54.01	136.17
14.92	12.95	53.79	137.33
14.94	13.16	52.67	139.08
14.96	13.27	50.23	139.08
14.98	13.19	42.03	146.63
15.00	13.29	41.58	141.98
15.02	13.32	42.47	140.24
15.04	13.31	44.47	139.08
15.06	13.32	46.91	139.08
15.08	13.47	49.14	140.24
15.10	13.64	49.58	141.40
15.12	13.90	50.47	143.15
15.14	14.08	49.80	144.31
15.16	14.07	49.58	143.73
15.18	14.06	50.91	143.73
15.20	14.06	52.24	143.15
15.22	13.98	54.24	143.15
15.24	13.85	56.91	141.98
15.26	13.70	58.91	140.82
15.28	13.42	60.46	139.08
15.30	13.07	60.90	137.33
15.32	12.76	60.46	135.00
15.34	12.57	60.90	134.42
15.36	12.70	61.79	135.59
15.38	13.36	61.56	141.40
15.40	14.42	61.34	149.54
15.42	15.68	63.12	155.94
15.44	16.51	62.89	157.10
15.46	16.89	62.67	155.36
15.48	16.90	62.89	152.45
15.50	16.57	65.33	148.96

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova **1**

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
15.52	16.40	68.67	148.38
15.54	16.53	71.33	149.54
15.56	16.57	71.33	150.12
15.58	16.73	70.66	151.29
15.60	17.06	68.66	154.19
15.62	17.71	66.21	157.68
15.64	18.40	62.66	159.42
15.66	18.87	60.65	160.00
15.68	19.27	61.54	160.59
15.70	19.64	63.32	161.75
15.72	19.87	66.65	161.75
15.74	19.88	70.20	160.00
15.76	19.72	72.42	158.26
15.78	19.45	74.64	155.94
15.80	19.26	77.53	155.36
15.82	19.08	80.20	154.19
15.84	18.87	81.08	153.03
15.86	18.54	79.97	149.54
15.88	18.14	77.96	147.21
15.90	17.69	76.63	143.73
15.92	17.23	76.41	140.82
15.94	16.75	75.52	137.91
15.96	16.26	73.73	134.42
15.98	15.49	63.31	162.33
16.00	15.27	61.31	152.45
16.02	15.10	60.20	148.96
16.04	14.97	58.42	146.63
16.06	14.77	56.87	144.89
16.08	14.51	55.31	141.98
16.10	14.35	53.76	140.82
16.12	14.20	54.20	139.08
16.14	14.10	54.64	138.50
16.16	14.00	55.97	137.91
16.18	14.00	58.42	138.50
16.20	14.06	60.42	139.66
16.22	14.16	62.42	140.82
16.24	14.25	62.42	141.40
16.26	14.35	61.30	141.98
16.28	14.40	61.97	141.98
16.30	14.54	62.86	143.15
16.32	14.60	62.64	143.73
16.34	14.33	63.30	140.82
16.36	13.65	63.75	135.59
16.38	13.01	63.97	130.93
16.40	12.57	64.41	128.03
16.42	12.30	64.85	126.29
16.44	12.10	64.19	125.12
16.46	11.94	61.96	123.96
16.48	11.81	59.29	123.38
16.50	11.74	56.63	123.38

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
16.52	11.75	54.41	123.38
16.54	11.75	53.74	123.96
16.56	11.76	53.07	123.96
16.58	11.71	52.18	123.38
16.60	11.74	51.74	123.96
16.62	11.82	51.52	124.54
16.64	11.99	51.96	126.29
16.66	12.26	52.63	128.61
16.68	12.67	53.29	132.10
16.70	13.05	53.07	135.00
16.72	13.33	51.29	136.75
16.74	13.63	51.52	139.08
16.76	14.04	53.07	141.98
16.78	14.43	53.29	144.89
16.80	14.79	52.85	147.21
16.82	15.06	52.85	148.96
16.84	15.44	53.74	151.87
16.86	15.60	54.41	153.03
16.88	15.60	55.07	153.03
16.90	15.54	55.74	152.45
16.92	15.19	57.52	150.12
16.94	14.91	58.41	148.38
16.96	14.34	48.30	177.45
16.98	13.98	50.30	162.91
17.00	13.61	53.18	158.84
17.02	13.21	55.41	157.10
17.04	12.97	57.18	157.68
17.06	12.78	57.63	158.84
17.08	12.82	57.62	160.59
17.10	12.77	58.29	160.59
17.12	12.81	57.17	160.59
17.14	12.81	57.17	160.59
17.16	12.93	56.72	162.33
17.18	13.12	56.50	162.91
17.20	13.05	57.16	161.17
17.22	12.43	57.83	153.61
17.24	11.51	58.05	145.47
17.26	10.37	58.05	137.33
17.28	9.05	58.27	128.03
17.30	7.96	58.04	120.47
17.32	6.92	56.93	114.08
17.34	4.74	55.15	95.47
17.36	4.02	49.37	91.98
17.38	3.12	44.93	84.42
17.40	2.43	41.81	79.77
17.42	1.84	39.15	71.05
17.44	1.47	38.70	61.16
17.46	1.34	38.70	60.58
17.48	1.34	39.15	63.49
17.50	1.31	41.15	68.14

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
17.52	1.77	42.26	90.23
17.54	4.14	52.26	164.08
17.56	6.76	55.37	192.57
17.58	8.97	42.04	130.35
17.60	10.29	33.15	104.77
17.62	10.98	34.49	106.51
17.64	11.49	42.05	122.80
17.66	11.88	48.50	135.00
17.68	12.09	54.05	143.73
17.70	12.28	58.94	148.96
17.72	12.33	65.17	151.87
17.74	12.42	69.84	153.03
17.76	12.53	71.39	154.78
17.78	12.62	71.17	155.94
17.80	12.71	72.50	157.10
17.82	12.79	73.17	157.68
17.84	12.91	71.84	159.42
17.86	12.95	71.83	159.42
17.88	13.00	71.61	160.00
17.90	13.06	71.39	160.59
17.92	13.05	71.83	160.59
17.94	13.06	71.83	161.17
17.96	13.12	72.71	161.75
17.98	13.23	72.49	164.08
18.00	13.49	64.50	189.08
18.02	13.74	65.61	186.17
18.04	13.91	66.94	186.17
18.06	14.11	68.72	186.75
18.08	14.39	69.83	189.08
18.10	14.86	70.05	191.99
18.12	15.27	70.27	193.15
18.14	15.70	71.60	194.31
18.16	16.00	72.94	194.31
18.18	16.37	74.04	194.89
18.20	16.83	75.38	196.06
18.22	17.22	77.38	196.64
18.24	17.69	79.15	198.96
18.26	18.33	81.15	203.03
18.28	18.95	82.93	204.78
18.30	19.34	82.92	205.36
18.32	19.36	82.48	202.45
18.34	19.07	84.69	197.80
18.36	18.46	87.58	186.75
18.38	17.33	90.02	175.12
18.40	16.05	94.02	163.50
18.42	15.11	101.79	158.84
18.44	14.68	106.90	158.26
18.46	14.42	107.34	157.10
18.48	14.14	106.67	155.94
18.50	13.96	104.22	154.78



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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova **1**

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
18.52	13.73	100.44	154.19
18.54	13.61	98.00	152.45
18.56	13.51	98.66	151.29
18.58	13.51	100.88	151.29
18.60	13.66	102.21	153.61
18.62	13.69	101.98	153.03
18.64	13.70	102.20	151.87
18.66	13.77	102.42	153.03
18.68	13.92	98.87	154.78
18.70	14.11	94.86	157.10
18.72	14.11	89.08	156.52
18.74	13.88	83.53	155.94
18.76	13.63	77.97	153.61
18.78	13.44	71.74	153.03
18.80	13.33	68.19	153.61
18.82	13.22	66.41	153.61
18.84	13.15	64.19	153.61
18.86	13.17	61.52	154.78
18.88	13.24	59.52	155.94
18.90	13.32	57.52	157.10
18.92	13.37	55.96	157.68
18.94	13.45	55.96	159.42
18.96	13.48	55.07	160.00
18.98	13.32	50.44	198.96
19.00	13.52	49.11	185.59
19.02	13.56	49.78	180.94
19.04	13.70	50.67	181.52
19.06	13.95	50.45	181.52
19.08	14.20	49.78	183.26
19.10	14.59	49.11	186.17
19.12	15.20	48.44	190.82
19.14	16.06	49.11	198.96
19.16	17.51	50.44	211.75
19.18	19.04	51.55	221.64
19.20	19.89	49.11	219.90
19.22	19.97	48.00	212.92
19.24	19.91	50.67	207.10
19.26	19.78	54.44	198.38
19.28	19.36	58.89	190.82
19.30	18.70	63.99	183.26
19.32	17.66	67.55	173.96
19.34	16.21	69.33	161.75
19.36	14.60	70.44	151.29
19.38	13.78	71.32	149.54
19.40	13.29	69.77	138.50
19.42	12.79	77.32	141.40
19.44	12.51	71.32	142.56
19.46	12.36	65.31	143.73
19.48	12.09	57.76	145.47
19.50	11.89	53.76	144.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
19.52	11.70	53.31	146.05
19.54	11.73	47.30	147.80
19.56	11.76	43.30	148.96
19.58	12.01	40.64	151.29
19.60	12.11	38.64	152.45
19.62	11.99	38.41	153.61
19.64	12.00	38.41	153.03
19.66	12.07	38.41	154.19
19.68	12.31	38.41	158.26
19.70	12.90	38.64	164.08
19.72	13.55	38.64	169.89
19.74	14.21	38.41	176.29
19.76	15.01	38.41	183.26
19.78	15.81	39.53	190.24
19.80	16.76	41.08	197.80
19.82	17.64	43.08	204.20
19.84	18.40	45.97	209.43
19.86	18.97	48.86	212.92
19.88	19.14	51.53	210.59
19.90	18.78	55.53	203.03
19.92	18.30	63.75	197.22
19.94	17.90	71.30	193.15
19.96	17.14	78.41	183.85
19.98	16.66	71.33	208.27
20.00	15.75	74.21	188.50
20.02	14.61	75.99	175.70
20.04	13.71	73.77	169.31
20.06	13.12	71.10	166.40
20.08	12.80	67.99	165.82
20.10	12.63	64.21	165.82
20.12	12.34	60.88	165.82
20.14	12.14	55.99	164.08
20.16	11.97	51.77	164.08
20.18	11.83	49.54	163.50
20.20	11.67	47.98	164.66
20.22	11.65	46.65	163.50
20.24	11.63	45.98	165.82
20.26	11.84	45.31	168.15
20.28	12.26	43.98	174.54
20.30	12.80	43.09	179.78
20.32	13.64	42.87	185.59
20.34	14.11	42.20	186.75
20.36	13.88	39.98	182.10
20.38	13.01	40.65	172.22
20.40	12.46	42.42	168.73
20.42	12.03	43.98	164.08
20.44	11.70	45.76	162.91
20.46	11.59	46.65	164.66
20.48	11.46	45.76	162.33
20.50	11.35	44.42	162.33

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
20.52	11.20	43.53	163.50
20.54	11.36	42.20	164.66
20.56	11.61	41.53	168.73
20.58	11.87	39.98	172.80
20.60	12.01	38.20	173.96
20.62	11.85	35.76	169.89
20.64	11.66	34.42	168.73
20.66	11.63	34.43	168.73
20.68	11.71	34.65	169.89
20.70	12.07	35.09	173.96
20.72	12.44	35.76	177.45
20.74	12.89	36.87	183.26
20.76	13.80	38.43	190.82
20.78	15.13	41.09	203.61
20.80	16.83	40.87	214.66
20.82	17.58	47.10	214.08
20.84	17.92	47.76	202.45
20.86	18.88	49.32	209.43
20.88	19.66	49.54	208.85
20.90	19.88	55.98	221.06
20.92	20.20	62.65	219.90
20.94	20.32	69.76	219.31
20.96	19.94	71.12	213.50
20.98	19.13	88.68	195.48
21.00	18.26	94.01	188.50
21.02	17.87	90.67	189.08
21.04	17.79	93.12	189.08
21.06	17.89	87.78	192.57
21.08	18.25	85.34	199.54
21.10	18.77	82.89	205.36
21.12	19.13	80.89	206.52
21.14	19.87	81.11	211.17
21.16	20.38	79.33	209.43
21.18	20.62	77.10	207.10
21.20	20.54	76.65	204.20
21.22	19.84	78.43	193.73
21.24	18.56	84.65	176.29
21.26	17.53	87.31	168.73
21.28	16.91	88.87	166.99
21.30	16.68	88.42	170.47
21.32	16.89	83.75	175.70
21.34	16.46	77.08	171.63
21.36	15.65	71.30	165.82
21.38	15.07	66.41	164.08
21.40	14.73	63.30	165.82
21.42	14.60	58.86	168.73
21.44	14.71	55.74	173.38
21.46	15.01	52.19	175.12
21.48	15.57	49.75	182.68
21.50	16.07	46.86	185.59

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova 1

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
21.52	16.86	46.86	193.73
21.54	17.93	48.41	201.87
21.56	18.42	54.19	197.22
21.58	18.97	94.41	208.85
21.60	17.82	76.19	142.56
21.62	15.43	171.96	160.59
21.64	15.31	164.85	169.89
21.66	14.99	167.30	175.70
21.68	14.90	160.19	176.29
21.70	14.62	140.63	172.80
21.72	14.53	136.19	173.96
21.74	14.50	85.08	175.12
21.76	14.47	75.96	178.03
21.78	14.28	75.52	174.54
21.80	13.93	71.08	171.05
21.82	13.55	71.74	171.05
21.84	13.28	72.19	170.47
21.86	13.17	72.41	171.05
21.88	13.27	72.85	173.38
21.90	13.32	72.41	176.29
21.92	13.40	69.30	176.29
21.94	13.59	67.52	180.94
21.96	13.89	60.21	239.66
21.98	14.53	59.10	223.38
22.00	15.25	59.33	221.64
22.02	15.66	56.66	218.15
22.04	15.76	55.77	214.66
22.06	15.76	56.66	212.33
22.08	15.78	58.21	210.59
22.10	15.94	59.55	211.17
22.12	16.32	61.32	215.82
22.14	16.68	61.54	216.99
22.16	17.05	61.54	221.64
22.18	17.24	59.99	220.48
22.20	17.53	58.88	221.64
22.22	17.15	61.77	198.96
22.24	18.09	48.32	229.78
22.26	18.43	48.99	221.64
22.28	17.85	55.43	219.31
22.30	18.75	55.21	227.45
22.32	19.51	54.54	232.10
22.34	19.82	57.87	233.85
22.36	19.94	61.87	228.03
22.38	20.11	65.65	226.87
22.40	20.54	69.42	226.29
22.42	20.30	72.97	221.64
22.44	19.65	72.53	214.66
22.46	19.39	77.41	218.73
22.48	19.37	81.41	218.73
22.50	19.82	84.29	223.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
22.52	19.71	81.84	214.66
22.54	20.14	81.84	216.99
22.56	19.86	82.72	208.27
22.58	20.01	70.05	212.33
22.60	19.84	71.60	207.10
22.62	20.27	71.38	208.85
22.64	20.58	72.93	208.27
22.66	21.46	73.15	217.57
22.68	22.19	73.15	215.24
22.70	22.36	73.14	212.92
22.72	22.25	75.36	207.10
22.74	22.50	78.47	212.33
22.76	22.56	81.36	211.75
22.78	22.61	84.91	208.27
22.80	22.74	86.69	211.17
22.82	22.21	87.58	202.45
22.84	22.09	88.91	206.52
22.86	21.68	89.80	210.59
22.88	21.17	88.46	204.78
22.90	20.28	86.46	191.99
22.92	18.64	93.34	182.10
22.94	17.30	93.56	176.87
22.96	16.49	81.58	238.50
22.98	16.46	77.58	216.40
23.00	16.25	76.24	212.33
23.02	15.79	73.80	208.27
23.04	15.57	69.35	206.52
23.06	15.09	62.68	205.94
23.08	14.86	56.91	205.94
23.10	14.66	54.68	207.10
23.12	14.48	53.12	210.01
23.14	14.37	52.90	207.69
23.16	14.36	50.45	210.01
23.18	14.37	49.34	212.92
23.20	14.38	46.90	215.24
23.22	14.47	46.45	216.40
23.24	14.55	44.67	216.99
23.26	14.60	43.34	216.40
23.28	14.74	43.12	216.40
23.30	14.97	42.89	222.80
23.32	15.22	42.45	220.48
23.34	15.45	43.34	224.55
23.36	15.66	44.67	226.29
23.38	16.10	45.33	226.29
23.40	16.56	46.00	229.78
23.42	16.68	48.44	229.78
23.44	16.51	49.55	221.06
23.46	16.44	50.89	215.24
23.48	16.53	52.22	216.99
23.50	17.04	53.33	222.80

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
23.52	17.55	53.99	228.03
23.54	17.65	52.88	225.13
23.56	17.74	51.33	225.13
23.58	18.20	51.32	231.52
23.60	18.48	51.54	227.45
23.62	19.09	53.77	230.36
23.64	20.06	53.99	235.01
23.66	20.46	55.10	229.78
23.68	20.54	57.10	222.22
23.70	20.71	59.10	219.90
23.72	20.78	61.54	218.15
23.74	21.16	64.87	224.55
23.76	21.24	68.65	222.80
23.78	21.69	69.98	225.13
23.80	21.61	73.09	223.38
23.82	21.46	76.65	218.73
23.84	21.36	80.87	215.82
23.86	21.28	83.53	213.50
23.88	20.69	87.09	206.52
23.90	19.94	91.31	202.45
23.92	19.24	95.53	197.22
23.94	19.04	85.99	282.69
23.96	18.89	82.66	232.69
23.98	18.72	83.99	221.64
24.00	18.20	85.10	214.08
24.02	18.15	82.88	212.92
24.04	17.85	80.43	215.24
24.06	17.92	73.76	213.50
24.08	17.92	71.54	215.82
24.10	17.84	71.09	216.40
24.12	17.77	68.87	214.66
24.14	17.66	66.20	219.90
24.16	17.54	63.76	219.31
24.18	17.55	61.98	214.08
24.20	17.97	61.31	222.80
24.22	18.54	60.86	225.71
24.24	19.28	60.42	229.20
24.26	20.29	59.97	233.85
24.28	21.39	59.97	240.24
24.30	22.17	60.20	236.76
24.32	22.03	63.30	223.38
24.34	22.62	64.20	226.29
24.36	22.38	69.31	223.38
24.38	22.15	76.20	223.96
24.40	21.66	79.97	214.66
24.42	21.30	85.75	216.99
24.44	20.65	91.08	211.75
24.46	20.55	93.97	214.08
24.48	20.43	95.74	214.66
24.50	20.14	95.52	211.75

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**Intergeo** s.r.l.



Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova **1**

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
24.52	19.59	94.85	206.52
24.54	19.21	96.18	205.36
24.56	18.71	96.40	199.54
24.58	18.07	97.29	195.48
24.60	17.73	99.29	195.48
24.62	17.35	100.40	198.38
24.64	17.17	98.84	196.06
24.66	17.23	97.28	204.20
24.68	17.13	96.39	205.36
24.70	16.90	91.06	200.70
24.72	16.45	85.28	198.96
24.74	16.14	80.39	194.31
24.76	15.97	77.94	196.64
24.78	15.60	76.61	195.48
24.80	15.64	73.94	200.70
24.82	15.31	72.83	196.06
24.84	14.82	71.50	192.57
24.86	14.90	67.50	197.80
24.88	14.86	65.50	200.12
24.90	15.08	63.28	204.20
24.92	15.40	61.94	214.08
24.94	15.88	60.39	221.06
24.96	16.42	54.43	251.29
24.98	17.06	53.10	237.92
25.00	17.07	52.88	232.69
25.02	17.26	52.88	231.52
25.04	17.19	55.55	226.87
25.06	16.92	58.44	222.80
25.08	16.89	59.55	225.71
25.10	17.67	63.33	241.99
25.12	18.69	64.88	244.31
25.14	19.55	67.32	242.57
25.16	19.25	76.21	212.92
25.18	18.41	81.10	185.59
25.20	17.84	81.11	193.73
25.22	17.54	79.78	203.03
25.24	16.57	81.33	194.89
25.26	16.68	81.11	207.69
25.28	16.66	79.10	212.92
25.30	16.36	75.55	208.85
25.32	16.17	74.21	210.59
25.34	15.93	72.66	209.43
25.36	16.04	70.21	219.31
25.38	15.61	65.32	208.27
25.40	15.61	62.43	211.75
25.42	15.81	59.99	220.48
25.44	15.61	57.77	215.82
25.46	15.31	57.54	211.75
25.48	15.73	55.54	221.06
25.50	15.72	54.43	223.96

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
25.52	15.61	53.99	222.80
25.54	16.08	53.77	225.71
25.56	17.15	53.32	236.76
25.58	18.64	53.10	251.87
25.60	20.47	51.77	256.52
25.62	21.31	52.88	241.99
25.64	21.58	54.21	233.85
25.66	21.77	57.11	235.59
25.68	21.26	61.33	225.13
25.70	19.81	68.89	208.85
25.72	18.85	76.22	205.94
25.74	18.07	84.22	205.36
25.76	17.84	88.67	211.17
25.78	18.38	89.11	218.73
25.80	19.30	88.67	229.78
25.82	20.12	83.78	231.52
25.84	19.73	78.88	219.90
25.86	19.18	75.99	222.22
25.88	18.51	71.77	212.33
25.90	17.61	69.99	208.27
25.92	16.44	71.10	203.03
25.94	15.34	73.99	205.36
25.96	20.78	60.24	250.71
25.98	21.10	68.91	254.78
26.00	21.51	78.91	264.66
26.02	21.88	89.13	262.34
26.04	22.01	98.91	266.99
26.06	22.31	105.79	260.01
26.08	22.72	110.46	263.50
26.10	22.35	118.23	257.69
26.12	22.16	119.57	253.62
26.14	21.54	122.90	243.73
26.16	21.16	125.34	243.15
26.18	20.71	127.55	237.92
26.20	20.29	127.55	234.43
26.22	19.58	127.99	233.85
26.24	18.98	126.21	228.61
26.26	18.33	122.87	218.73
26.28	17.76	118.42	215.82
26.30	17.11	114.42	214.08
26.32	16.27	111.97	208.85
26.34	15.90	107.08	210.59
26.36	15.09	103.52	205.36
26.38	14.47	97.96	200.70
26.40	14.05	92.41	207.10
26.42	13.37	87.51	197.80
26.44	12.80	82.62	197.80
26.46	12.23	78.62	196.06
26.48	11.56	75.29	192.57
26.50	11.26	69.73	196.06

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
26.52	11.24	63.29	207.10
26.54	11.02	60.18	211.75
26.56	11.08	55.51	210.01
26.58	11.02	50.84	207.69
26.60	10.80	49.07	211.75
26.62	10.69	47.95	210.59
26.64	10.72	46.85	211.17
26.66	10.93	44.85	215.24
26.68	10.69	45.74	211.17
26.70	10.76	46.41	220.48
26.72	10.81	46.41	215.24
26.74	10.98	45.74	218.73
26.76	11.00	41.12	276.29
26.78	11.24	39.79	250.13
26.80	10.96	41.13	232.10
26.82	11.22	42.46	244.90
26.84	11.02	44.24	244.31
26.86	10.89	44.69	232.10
26.88	10.88	45.58	230.36
26.90	10.97	47.36	241.40
26.92	10.96	48.02	241.99
26.94	10.84	48.02	230.94
26.96	10.94	48.02	235.01
26.98	11.01	47.80	237.92
27.00	10.95	47.80	236.18
27.02	10.95	48.03	238.50
27.04	10.96	47.80	236.18
27.06	11.11	47.14	244.90
27.08	10.84	46.91	235.01
27.10	10.90	46.69	241.40
27.12	10.85	46.47	240.82
27.14	10.61	47.14	242.57
27.16	10.49	47.14	240.82
27.18	10.48	46.69	235.01
27.20	10.65	46.47	239.66
27.22	11.14	45.58	248.97
27.24	11.55	46.03	251.87
27.26	11.53	45.58	241.40
27.28	11.46	46.03	243.73
27.30	11.44	46.69	245.48
27.32	11.24	47.80	237.34
27.34	11.08	49.36	240.24
27.36	11.06	50.25	239.08
27.38	11.31	51.58	243.15
27.40	11.80	52.69	255.36
27.42	12.27	52.92	257.10
27.44	12.81	51.36	250.13
27.46	13.35	49.14	257.69
27.48	13.77	49.14	260.60
27.50	14.32	50.92	266.41

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Committente AUTOBRENNERO SPA

Località BONDENO ALBAREDA

Cantiere SOVRAPASSO 124

Data 25\06\12

Preforo 0.50 m. p.c. Falda 2.50 ml

Prova 1

Cert. N. 356/2012

Emesso il 25/06/2012

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
27.52	15.09	51.36	268.15
27.54	15.51	54.69	264.08
27.56	15.70	56.03	257.10
27.58	15.17	59.36	246.64
27.60	14.62	64.47	242.57
27.62	14.44	69.80	244.31
27.64	14.49	72.25	250.71
27.66	14.67	75.58	260.60
27.68	15.05	77.58	266.99
27.70	16.11	76.46	277.46
27.72	17.02	76.24	282.10
27.74	18.05	73.57	288.50
27.76	18.78	72.24	289.67
27.78	19.67	67.36	300.71
27.80	20.51	72.70	307.11
27.82	21.64	77.81	318.74
27.84	22.96	85.14	337.92
27.86	24.14	91.14	340.25
27.88	24.84	88.92	326.30
27.90	24.54	92.02	311.76
27.92	24.17	100.91	306.53
27.94	23.84	111.13	286.18
27.96	23.51	121.35	285.01
27.98	23.31	129.34	287.34
28.00	22.88	135.12	282.10
28.02	22.36	140.23	273.97
28.04	22.04	143.78	266.99
28.06	21.40	142.66	264.66
28.08	20.78	137.77	257.10
28.10	19.96	135.32	246.64
28.12	18.96	133.98	241.99
28.14	18.05	131.97	236.18
28.16	17.22	128.41	226.87
28.18	16.58	124.19	230.94
28.20	15.85	120.85	228.61
28.22	15.42	117.29	231.52
28.24	15.23	111.51	228.03
28.26	15.00	103.28	235.59
28.28	14.87	94.39	235.59
28.30	14.56	86.39	236.76
28.32	14.39	80.83	235.01
28.34	14.46	76.38	240.24
28.36	14.63	72.60	240.24
28.38	14.98	68.16	244.90
28.40	14.65	67.27	241.99
28.42	14.86	65.71	234.43
28.44	15.17	67.72	249.55
28.46	15.22	69.28	236.18
28.48	15.41	71.28	244.31
28.50	15.92	70.61	244.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
28.52	16.07	71.28	245.48
28.54	16.62	68.84	257.10
28.56	17.07	68.18	264.08
28.58	16.99	66.62	257.10
28.60	16.88	63.73	246.64
28.62	16.74	63.29	253.03
28.64	16.41	65.52	251.87
28.66	16.28	67.96	244.90
28.68	16.50	70.63	251.87
28.70	16.45	73.96	248.39
28.72	16.93	74.63	255.36
28.74	16.84	73.11	387.35
28.76	16.90	69.11	293.73
28.78	16.53	69.33	265.83
28.80	16.29	70.44	265.25
28.82	16.12	72.44	271.06
28.84	15.97	75.33	272.80
28.86	15.57	77.99	256.52
28.88	16.01	75.55	263.50
28.90	15.92	75.10	258.85
28.92	16.42	73.10	271.06
28.94	17.06	71.10	275.13
28.96	17.08	70.21	272.22
28.98	17.30	68.66	265.83
29.00	16.80	67.54	254.78
29.02	15.76	66.88	242.57
29.04	14.53	67.32	236.18
29.06	13.50	67.32	231.52
29.08	13.28	64.21	244.31
29.10	12.93	61.32	248.39
29.12	12.43	58.87	239.08
29.14	12.80	53.10	248.97
29.16	12.72	50.21	247.22
29.18	12.98	46.87	253.03
29.20	12.92	45.99	240.82
29.22	13.22	45.32	244.90
29.24	12.81	48.21	233.85
29.26	13.64	45.77	253.03
29.28	13.23	48.88	241.40
29.30	13.45	50.45	261.76
29.32	13.34	51.56	247.80
29.34	13.40	54.45	253.62
29.36	13.76	56.67	254.20
29.38	13.82	58.23	247.80
29.40	14.12	57.12	250.71
29.42	14.09	56.46	249.55
29.44	14.05	56.02	253.03
29.46	14.05	55.79	262.92
29.48	13.71	57.13	252.45
29.50	14.25	56.46	269.31

H	Rp	Rl	U
[m]	[MPa]	[KPa]	[KPa]
29.52	14.42	56.91	272.80
29.54	15.63	55.35	282.10
29.56	17.25	56.46	303.62
29.58	18.52	56.02	304.20
29.60	19.04	55.57	289.67
29.62	19.30	57.13	290.83
29.64	19.13	60.24	279.20
29.66	19.45	64.02	285.01
29.68	19.74	66.24	285.01
29.70	19.61	70.24	288.50
29.72	18.47	72.26	329.79
29.74	18.66	71.81	286.18
29.76	18.57	73.81	284.43
29.78	18.21	76.48	289.09
29.80	18.30	79.37	296.06
29.82	18.59	79.15	299.55
29.84	18.91	77.81	303.04
29.86	19.05	74.70	301.30
29.88	18.64	73.14	291.99
29.90	18.15	75.14	290.25
29.92	18.33	77.14	294.32
29.94	18.68	81.13	299.55
29.96	19.30	80.46	301.30
29.98	19.58	77.57	298.39
30.00	19.97	77.79	308.85
30.02	20.25	80.45	298.97
30.04	19.89	80.89	280.36
30.06	19.41	80.22	269.90
30.08	18.31	84.00	258.85
30.10	16.70	88.22	238.50
30.12	15.25	92.66	233.85
30.14	14.36	94.44	236.76
30.16	13.57	95.77	236.76
30.18	13.39	93.54	244.90
30.20	13.56	85.32	257.10
30.22	13.74	74.65	260.60
30.24	14.58	64.21	277.46
30.26	15.28	58.43	276.88
30.28	16.24	53.76	279.78
30.30	16.64	50.20	273.39
30.32	16.56	49.76	264.66
30.34	16.70	50.65	264.66
30.36	17.19	51.32	279.78
30.38	17.19	54.43	280.36
30.40	17.23	56.43	274.55
30.42	17.32	60.65	276.88
30.44	17.68	61.77	276.88
30.46	17.94	60.88	282.10
30.48	18.40	61.54	293.15
30.50	19.04	65.32	298.97

