

 SNAM RETE GAS	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
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METANODOTTO
INTERCONNESSIONE TAP DN 1400(56"), DP 75 bar
TERMINALE SRG DI MELENDUGNO (LE)

POZZETTO RACCOGLITORE IMPURITA'
TERMINALE SRG DI MELENDUGNO (LE)

RELAZIONE GEOTECNICA E SULLE FONDAZIONI

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1 GENERALITA'

1.1 Introduzione

La presente relazione, redatta su incarico di Snam Rete Gas S.p.A., ha come oggetto la realizzazione di un pozzetto in c.a. dove è alloggiato il serbatoio raccoglitore impurità, interrato ed ispezionabile, ubicato all'interno del nuovo impianto terminale di Melendugno (LE).

Per la redazione del presente studio è stato preventivamente raccolto del materiale bibliografico inerente, studi geologici, geomorfologici, idrogeologici esistenti nelle zone limitrofe al tracciato; carte tematiche dell'area, foto aeree e supporti topografici.

Rilievi ed indagini sul terreno, unitamente alle informazioni di carattere bibliografico acquisite, hanno permesso di chiarire la situazione geologica di superficie, le modalità operative dell'indagine geognostica e, ancora, di definire i caratteri geomorfologici del sito in oggetto.

1.2 Documenti di riferimento

- REL. RE-STRU-114
POZZETTO RACCOGLITORE IMPURITA' - RELAZIONE DI CALCOLO STRUTTURALE
- REL. RE-GSIS-102
RELAZIONE GEOLOGICO TECNICA E PERICOLOSITÀ SISMICA DI BASE

Elaborati grafici di riferimento

- DIS. CIV-106
PLANIMETRIA FONDAZIONI
- DIS. CIV-114
POZZETTO RACCOGLITORE IMPURITA' – CASSERI ED ARMATURE

1.1 Normativa di Riferimento

I calcoli sono condotti nel pieno rispetto della normativa vigente e, in particolare, la normativa cui viene fatto riferimento nelle fasi di calcolo, verifica e progettazione è costituita dalle *Norme Tecniche per le Costruzioni*, emanate con il D.M. 14/01/2008 pubblicato nel suppl. 30 G.U. 29 del 4/02/2008 e la Circolare 2/02/2009 n. 617 -Istruzioni per l'applicazione delle 'Nuove norme tecniche per le costruzioni' di cui al D.M. 14/01/08.

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2 CARATTERIZZAZIONE LITOSTRATIGRAFICA E GEOTECNICA

2.1 Sondaggi meccanici

La finalità delle indagini in sito è stata quella di ricostruire le principali caratteristiche e i lineamenti del sottosuolo, con particolare riferimento alla natura litologica e stratigrafica. Inoltre è stato possibile avere utili informazioni circa lo spessore degli strati e le loro caratteristiche strutturali e idrogeologiche.

In particolare per la caratterizzazione litostratigrafica e geotecnica si fa riferimento a due sondaggi BH4B_BIS e BH6Bbis, forniti dal committente ed eseguiti in prossimità del limite dell'area oggetto d'intervento e finalizzati alla caratterizzazione geognostica dell'area destinata ad ospitare l'impianto di Melendugno del TAP.

Il materiale prelevato durante le perforazioni è stato depositato in apposite cassette catalogatrici, in materiale plastico, su cui sono state annotate le profondità di prelievo delle carote e la profondità di esecuzione delle prove geotecniche in situ.

Il carotiere è costituito da un tubo metallico cilindrico avente diametro esterno di 101 mm munito all'estremità inferiore di una corona dentata al widia e provvisto, nella parte sommatatale, di un dispositivo (valvola di ritenzione) che impedisce la perdita dei campioni di terreno prelevati.

Il prelievo dei campioni indisturbati è stato effettuato mediante campionatore a pareti sottili in acciaio inox del diametro di 85 mm, infisso a pressione.

Inoltre durante la perforazione sono state seguite prove penetrometriche dinamiche:

N° sondaggio	Profondità (m)	Profondità prove S.P.T. (m)	Profondità prelievo Campioni indisturbati (m)
BH4B_BIS	40,00	1,50	0,40-1,00 4,20-4,50
BH6Bbis	40,00		2,00-2,45

Tabella 2.1.A: sondaggi e prove SPT

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Fig 2.1.A: Ubicazione sondaggi geognostici e masw

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2.2 Ricostruzione stratigrafica e parametri geotecnici desunti dalle prove S.P.T.

SONDAGGIO BH4B_BIS

Il sondaggio BH4_BIS è stato eseguito sul limite Ovest dell'area interessata dal progetto ed ha raggiunto la profondità di 40 metri.

Dalla stratigrafia si evidenzia, al di sotto uno strato di circa 0,40 m di spessore caratterizzato da una coltre pedogenetica rossastra, un livello costituito da argilla siltosa rossastra con clasti calcarei che si spinge fino alla profondità di 4 metri dal piano campagna. Successivamente si ha 1,20 metri di argilla siltosa giallastra con clasti calcarei. Da 5,20 a 9,40 m un livello costituito da calcarenite giallastra grossolana, molto frantumata.

Proseguendo in profondità fino a 13,40 m si ha un livello di sabbia siltosa, giallastri con clasti calcarenitici, ed infine fino a fondo foro (40 m) si ha un deposito calcarenitico con un grado di fratturazione da basso a medio. Talvolta, nelle fratture si possono avere argille grigiastre.

Profondità (m)	Valori prova S.P.T.	N _{SPT} colpi/30 cm	Dr (%)	Φ (°)	E' (Mpa)	γ _{sat} (t/m ³)	γ _d (t/m ³)	Modulo di taglio G (Mpa)
1,50	16-15-16	31	77	31	17.5	2,00÷2,20	1.80÷1.90	195

Dove **Dr** rappresenta la densità relativa (%), **Φ** indica l'angolo di attrito del terreno (°), **E'** rappresenta il modulo di Young (Mpa), **γ_{sat}** indica il peso di volume del terreno in condizioni sature (t/m³), **γ_d** indica il peso di volume del terreno (t/m³) e **G** Modulo di taglio (Mpa).

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SONDAGGIO BH6B_BIS

Il sondaggio BH6B_Bis è stato eseguito sul limite Nord dell'area interessata dal progetto e mostra sottile livello pedogenetico (10 cm) che mantella in modo discontinuo un livello sabbioso siltoso con clasti calcarenitici giallastro che si spinge fino alla profondità di 9.60 m dal piano campagna. Successivamente si ha un livello costituito da sabbia siltosa e sabbia con clasti calcarenitici. Proseguendo in profondità fino a fondo foro (40m) si ha il substrato calcarenitico, talvolta calcilutite o calcirudite, da fratturato a molto fratturato.

Profondità (m)	Valori prova S.P.T.	N _{SPT} colpi/30 cm	Dr (%)	Φ (°)	E' (Mpa)	Y _{sat} (t/m ³)	Y _d (t/m ³)	Modulo di taglio G (Mpa)
2,00	12-22-28	40	82	32	22.6	2,00÷2,20	1.80÷1.90	176

Dove **Dr** rappresenta la densità relativa (%), **Φ** indica l'angolo di attrito del terreno (°), **E'** rappresenta il modulo di Young (Mpa), **ysat** indica il peso di volume del terreno in condizioni sature (t/m³), **yd** indica il peso di volume del terreno (t/m³) e **G** Modulo di taglio (Mpa).

2.3 Prospezioni geofisiche (MASW)

L'indagine geofisica eseguita è stata finalizzata alla definizione delle principali caratteristiche elastiche dinamiche dei litotipi presenti nei siti in esame. Per tale scopo sono state eseguite due prospezioni sismiche con metodologia MASW (Multichannel Analysis Of Surface Waves), che consentono di definire profili verticali delle onde di taglio (Vs) mediante un'analisi della dispersione delle velocità delle onde di fase di Rayleigh.

L'esecuzione di tali indagini ha consentito di determinare le velocità delle Vs fino alla profondità di 30 metri dal piano campagna. La Masw 1 ha evidenziato una Vs,30 di 731 m/s, pertanto un suolo di categoria B. Le Vs30 della Masw 2 risultano invece pari a 943 m/s. con suolo di categoria A. Tali risultati sono coerenti con il contesto litologico dell'area, infatti in base al grado di alterazione e fratturazione dei litotipi rocciosi si possono avere entrambi le categorie di sottosuolo sismico. In ogni caso nella modellazione sismica viene considerato un suolo di categoria B in quanto più cautelativo.

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3 MODELLO GEOLOGICO E GEOTECNICO

3.1 Modello geologico

La finalità delle indagini in sito è quella di ricostruire le principali caratteristiche e i lineamenti del sottosuolo, con particolare riferimento alla natura litologica e stratigrafica, oltre che definire le caratteristiche sismiche dei litotipi affioranti.

Le indagini eseguite hanno evidenziato la presenza di uno strato sottile strato pedogenetico che ricopre in modo discontinuo dei livelli con spessore variabile da 13,20/14,30, costituito da sabbie e sabbie siltose con abbondante clasti calcarenitici. Al di sotto si ha il substrato costituito da calcarenite con diversi gradi di fratturazione.

Talvolta le fratture della calcarenite sono riempite da materiale sabbioso argilloso siltosi di colore bruno rossastro derivante dal residuo insolubile delle rocce carbonatiche.

3.2 Modello geotecnico

Le indagini eseguite, unitamente alle osservazioni di superficie fatte con il rilevamento geologico hanno consentito la ricostruzione della stratigrafia del sito e sono state desunte le caratteristiche geotecniche dei terreni di fondazione

Nel dettaglio il modello geotecnico desunto dalle indagini in situ e dalle considerazioni di carattere prettamente geologico-stratigrafiche, si evince che il sito è costituito da rocce carbonatiche annoverabili tra le calcarenite a diverso grado di fratturazione e cementazione. In superficie la calcarenite risulta alterata e degradata da essere assimilabile, dal punto di vista geotecnico ad un sabbia o sabbia siltosa

Gli elementi di conoscenza ricavati dall'esame comparato delle indagini eseguite risultano più che sufficienti per giungere alla caratterizzazione geotecnica dei terreni di fondazione.

Nella tabella seguente vengono individuati i valori caratteristici dei parametri geotecnici dei vari livelli individuati con le indagini effettuate e riportate nell'Annesso 2, a cui si rimanda per una trattazione puntuale e di dettaglio. Nella tabella seguente vengono riportati i principali valori geomeccanici medi dei litotipi.

MODELLO GEOTECNICO			
Litotipi (m)	Profondità (m)	γ (KN/m ³)	Φ (°)
Livello superficiale pedogenizzato	Da 0 – a 0.40	-	-
Sabbie e sabbie siltose con abbondanti clasti calcarenitici	Da 0.40 a 13,20/13,30	18,14	31
Calcarenite da debolmente a fortemente alterate	Da 13,20/13,30 a 40 ed oltre	19,5	38

Dove: Φ indica l'angolo di attrito del terreno (°), γ indica il peso di volume del terreno (Kn/m³)

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4 CONCLUSIONI

Dall'analisi di superficie effettuata tramite fotointerpretazione, dai sopralluoghi diretti in campo e dalle indagini eseguite sono stati delineati gli elementi geologici, morfologici, idrogeologici generali per l'area interessata dal progetto.

In particolare per l'area in esame non emergono problematiche rilevanti in quanto la morfologia pianeggiante del tratto investigato non pone particolari problemi da un punto di vista geomorfologico.

Inoltre le indagini eseguite (sondaggi geognostici e prospezioni sismiche) non evidenziano particolari condizioni di criticità legate ai fenomeni carsici, in quanto il substrato litologico è costituito da un livello superficiale sabbioso siltoso con abbondanti clasti calcarenitici, con profondità variabile (da 13,20 a 14, 30) dal piano campagna. Al di sotto si ha il substrato calcarenitico a diversi gradi di fratturazione. I litotipi sono ricoperti da un sottile strato pedogenizzato, sabbioso siltoso leggermente argilloso (terre rosse), derivante dall'alterazione del residuo insolubile delle rocce carbonatiche. Lo spessore della coltre pedogenetica varia da 10 a 40 cm, infatti è ricorrente osservare una elevata rocciosità affiorante.

Relativamente alle aree a pericolosità censite dall'Autorità di Bacino della Regione Puglia l'area interessata dagli interventi progettuali non interferisce con area a pericolosità idraulica e da frana.

Dal punto di vista geotecnico le litologie affioranti nell'area, ad eccezione del livello superficiale che costituisce la coltre pedogenizzata con spessore compreso tra 10 e 40 cm dalla superficie topografica, sono caratterizzati da un elevato angolo di attrito interno (> di 30°) e di un peso dell'unità di volume maggiore di 18,00 kN/m³.

Infine, Dall'analisi della pericolosità sismica di base si evince che il sito è caratterizzato da una accelerazione orizzontale massima su suolo rigido e pianeggiante compresa tra 0,028 e 0,10 g per i diversi stati limiti considerati. La pericolosità sismica locale è definita da una categoria di sottosuolo di tipo B e da una categoria topografica T1.

In conclusione, in base alle considerazioni fatte, le verifiche geotecniche agli stati limite per carico limite e cedimenti risultano ampiamente soddisfatte e compatibili con l'uso per cui vengono progettati nonché compatibili con il contesto geologico, idrogeologico e sismico dell'area.

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RELAZIONE GEOTECNICA E SULLE FONDAZIONI

Sono illustrati con la presente i risultati dei calcoli che riguardano il progetto delle armature, la verifica delle tensioni di lavoro dei materiali e del terreno.

• **NORMATIVA DI RIFERIMENTO**

I calcoli sono condotti nel pieno rispetto della normativa vigente e, in particolare, la normativa cui viene fatto riferimento nelle fasi di calcolo, verifica e progettazione è costituita dalle *Norme Tecniche per le Costruzioni*, emanate con il D.M. 14/01/2008 pubblicato nel suppl. 30 G.U. 29 del 4/02/2008, nonché la Circolare del Ministero Infrastrutture e Trasporti del 2 Febbraio 2009, n. 617 "Istruzioni per l'applicazione delle nuove norme tecniche per le costruzioni".

Per il calcolo delle strutture in oggetto si adatteranno i criteri della Geotecnica e della Scienza delle Costruzioni.

• **CAPACITÀ PORTANTE DI FONDAZIONI SUPERFICIALI**

La verifica della capacità portante consiste nel confronto tra la pressione verticale di esercizio in fondazione e la pressione limite per il terreno, valutata secondo *Brinch-Hansen*:

$$q_{lim} = q N_q Y_q i_q d_q b_q g_q s_q + c N_c Y_c i_c d_c b_c g_c s_c + \frac{1}{2} G B' N_g Y_g i_g b_g s_g$$

dove

Caratteristiche geometriche della fondazione:

q = carico sul piano di fondazione
 B = lato minore della fondazione
 L = lato maggiore della fondazione
 D = profondità della fondazione
 α = inclinazione base della fondazione
 G = peso specifico del terreno
 B' = larghezza di fondazione ridotta = $B - 2 e_B$
 L' = lunghezza di fondazione ridotta = $L - 2 e_L$

Caratteristiche di carico sulla fondazione:

H = risultante delle forze orizzontali
 N = risultante delle forze verticali
 e_B = eccentricità del carico verticale lungo B
 e_L = eccentricità del carico verticale lungo L
 $F_h B$ = forza orizzontale lungo B
 $F_h L$ = forza orizzontale lungo L

Caratteristiche del terreno di fondazione:

β = inclinazione terreno a valle
 $c = c_u$ = coesione non drenata (condizioni U)
 $c = c'$ = coesione drenata (condizioni D)

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$\Gamma = \text{peso specifico apparente (condizioni U)}$
 $\Gamma = \Gamma' = \text{peso specifico sommerso (condizioni D)}$
 $\phi = 0 = \text{angolo di attrito interno (condizioni U)}$
 $\phi = \phi' = \text{angolo di attrito interno (condizioni D)}$

Fattori di capacità portante:

$$Nq = \tan^2\left(\frac{\pi}{4} + \frac{\phi}{2}\right) \exp(\pi \cdot \tan \phi) \quad (\text{Prandtl-Cauchy-Meyerhof})$$

$$Ng = 2(Nq + 1) \tan \phi \quad (\text{Vesic})$$

$$Nc = \frac{Nq - 1}{\tan \phi} \quad \text{in condizioni D} \quad (\text{Reissner-Meyerhof})$$

$$Nc = 5,14 \quad \text{in condizioni U}$$

Indici di rigidezza (condizioni D):

$$Ir = \frac{G}{c' + q' \tan \phi} = \text{indice di rigidezza}$$

$$q' = \text{pressione litostatica efficace alla profondità } D + \frac{B}{2}$$

$$G = \frac{E}{2(1 + \mu)} = \text{modulo elastico tangenziale}$$

$E = \text{modulo elastico normale}$

$\mu = \text{coefficiente di Poisson}$

$$Icr = \frac{1}{2} \exp\left[\frac{3,3 - 0,45 \frac{B}{L}}{\tan(45 - \frac{\phi'}{2})}\right] = \text{indice di rigidezza critico}$$

Coefficienti di punzonamento (Vesic):

$$Yq = Yg = \exp\left[\left(0,6 \frac{B}{L} - 4,4\right) \tan \phi' + \frac{3,07 \sin \phi' \log(2Ir)}{1 + \sin \phi'}\right] \text{ in condizioni drenate, per } Ir \leq Icr$$

$$Yc = Yq - \frac{1 - Yq}{Nq \times \tan \phi'}$$

Coefficienti di inclinazione del carico (Vesic):

$$ig = \left(\frac{1 - H}{N + B \times L \times c' \times \cot \text{ang } \phi'}\right)^{m+1}$$

$$iq = \left(\frac{1 - H}{N + B \times L \times c' \times \cot \phi'}\right)^m$$

$$ic = iq - \frac{1 - iq}{Nc \times \tan \phi'} \quad \text{in condizioni D}$$

$$ic = 1 - \frac{m \times H}{B \times L \times cu \times Nc} \quad \text{in condizioni U}$$

essendo:

$$m = mB \cos^2 \Theta + mL \sin^2 \Theta$$

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$$mB = \frac{2 + \frac{B'}{L'}}{1 + \frac{B'}{L'}} \quad mL = \frac{2 + \frac{L'}{B'}}{1 + \frac{L'}{B'}} \quad \Theta = \tan^{-1} \frac{Fh \times B}{Fh \times L}$$

Coefficienti di affondamento del piano di posa (Brinch-Hansen):

$$dq = 1 + 2 \tan \phi (1 - \sin \phi)^2 \arctg \frac{D}{B'} \quad \text{per } D > B'$$

$$dq = 1 + 2 \frac{D}{B'} \tan \phi (1 - \sin \phi)^2 \quad \text{per } D \leq B'$$

$$dc = dq - \frac{1 - dq}{Nc \times \tan \phi} \quad \text{in condizioni D}$$

$$dc = 1 + 0,4 \arctan \frac{D}{B'} \quad \text{per } D > B' \text{ in condizioni U}$$

$$dc = 1 + 0,4 \frac{D}{B'} \quad \text{per } D \leq B' \text{ in condizioni U}$$

Coefficienti di inclinazione del piano di posa:

$$bg = \exp(-2,7\alpha \tan \phi)$$

$$bc = bq = \exp(-2\alpha \tan \phi) \quad \text{in condizioni D}$$

$$bc = 1 - \frac{\alpha}{147} \quad \text{in condizioni U}$$

$$bq = 1 \quad \text{in condizioni U)}$$

Coefficienti di inclinazione del terreno di fondazione:

$$gc = gq = \sqrt{1 - 0,5 \tan \beta} \quad \text{in condizioni D}$$

$$gc = 1 - \frac{\beta}{147} \quad \text{in condizioni U}$$

$$gq = 1 \quad \text{in condizioni U}$$

Coefficienti di forma (De Beer):

$$sg = 1 - 0,4 \frac{B'}{L'}$$

$$sq = 1 + \frac{B'}{L'} \tan \phi$$

$$sc = 1 + \frac{B' Nq}{L' Nc}$$

L'azione del sisma si traduce in accelerazioni nel sottosuolo (effetto cinematico) e nella fondazione, per l'azione delle forze d'inerzia generate nella struttura in elevazione (effetto inerziale). Tali effetti possono essere portati in conto mediante l'introduzione di coefficienti sismici rispettivamente denominati K_{hi} e I_{gk} , il primo definito dal rapporto tra le componenti orizzontale e verticale dei carichi trasmessi in fondazione ed il secondo funzione dell'accelerazione massima attesa al sito. L'effetto inerziale produce variazioni di tutti i coefficienti di capacità portante del carico limite in funzione del coefficiente sismico K_{hi} e viene portato in conto impiegando le formule comunemente adottate per calcolare i coefficienti correttivi del carico limite in funzione dell'inclinazione, rispetto alla verticale, del carico agente sul piano di posa. Nel caso in cui sia

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stato attivato il flag per tener conto degli effetti cinematici il valore I_{gk} modifica invece il solo coefficiente N_g; il fattore N_g viene infatti moltiplicato sia per il coefficiente correttivo dell'effetto inerziale, sia per il coefficiente correttivo per l'effetto cinematico.

• CAPACITÀ PORTANTE DELLE PLATEE

La verifica agli S.L.U. delle platee di fondazione risulta particolarmente difficoltosa poiché tali fondazioni spesso hanno forme non rettangolari e pertanto non è possibile valutarne la capacità portante attraverso le classiche formule della geotecnica.

Per potere valutare la portanza delle platee si è quindi implementato un tipo di verifica in cui la fondazione viene modellata per intero (potendo essere costituita, nella forma più generale, da travi rovesce, plinti, pali e platee).

In particolare, gli elementi strutturali vengono modellati in campo elastico lineare, mentre il terreno viene modellato come un letto di molle:

- a) lineari elastiche e non reagenti a trazione per le platee;
- b) molle non lineari elasto-plastiche non reagenti a trazione per le travi *Winkler* ed i plinti diretti.

Per le molle elastiche delle platee viene calcolato anche il limite elastico, al fine di bloccare il calcolo del moltiplicatore dei carichi qualora venga raggiunto tale limite.

Il legame di tipo elastico reagente a sola compressione è ottenuto utilizzando come rigidità all'origine la costante di *Winkler* del terreno. Il modello così ottenuto è in grado di tenere in conto dell'eterogeneità del terreno in maniera puntuale. Su tale modello viene quindi condotta un'analisi non lineare a controllo di forza immettendo le forze agenti sulla fondazione.

Il calcolo viene interrotto quando le molle delle platee attingono al loro limite elastico o qualora venga raggiunto uno stato di incipiente formazione di cerniere plastiche nelle travi *Winkler*. In corrispondenza a tali eventi viene calcolato il moltiplicatore dei carichi.

• CALCOLO DEI CEDIMENTI

Il calcolo viene eseguito sulla base della conoscenza delle tensioni nel sottosuolo.

$$\mu = \int \frac{\sigma(z)}{E} dz$$

essendo

E = modulo elastico o edometrico

$\sigma(z)$ = tensione verticale nel sottosuolo dovuta all'incremento di carico q

La distribuzione delle tensioni verticali viene valutata secondo l'espressione di *Steinbrenner*, considerando la pressione agente uniformemente su una superficie rettangolare di dimensioni B e L:

$$\sigma(z) = \frac{q}{4\pi} \left[\frac{2 \times M \times N \times \sqrt{V} \times (V+1)}{V(V+V1)} + \left| \arctan \frac{2 \times M \times N \times \sqrt{V}}{V-V1} \right| \right]$$

con:

$$M = B / z$$

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$$N = L / z$$

$$V = M^2 + N^2 + 1$$

$$V1 = (M \times N)^2$$

• **VERIFICHE ALLO STATO LIMITE DI DANNO DELLE FONDAZIONI SUPERFICIALI (NTC 2008 7.11.5.3.1)**

La verifica consiste nel controllare che la componente permanente degli spostamenti indotti dal sisma sia compatibile con la prestazione SLD della sovrastruttura.

Per determinare gli spostamenti permanenti post-sisma nel terreno si effettua una analisi non lineare del sistema fondazione-terreno modellando il terreno con un sistema di molle con legame costitutivo P-Y di tipo iperbolico, mediante le seguenti formule:

$$p(u) = \frac{u}{\frac{1}{E_s} + \frac{u}{p_u}}$$

essendo:

- p(u) : pressione di contatto
- u: cedimento non lineare
- Es: rigidezza tangente all'origine del terreno valutato come u_e/p ovvero come rapporto del cedimento elastico istantaneo e la pressione di contatto che lo provoca
- p_u : pressione ultima del terreno valutato per i valori caratteristici del terreno

Lo spostamento permanente sarà quindi lo spostamento complessivo depurato della parte reversibile elastica:

$$u_r = u(p) - \frac{P}{E_s}$$

Tali spostamenti permanenti si determinano quindi come segue:

- si implementa il sistema fondazione + terreno non lineare secondo il modello sopra descritto;
- si esegue il calcolo non lineare del sistema fondazione-terreno imponendo i carichi dello SLD;
- si portano a zero i carichi esterni e si valutano gli spostamenti residui (che sono appunto i cedimenti permanenti SLD cercati).

La verifica di compatibilità degli spostamenti viene quindi effettuata dal progettista in funzione delle caratteristiche della struttura e delle prestazioni assegnate ovvero utilizzando un riferimento tecnico riconosciuto dalla NTC 2008 quali UNI EN 2007, FEMA 27X, Circolari applicative, linee guida, etc...

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- SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa dei dati geometrici delle travi *Winkler*.

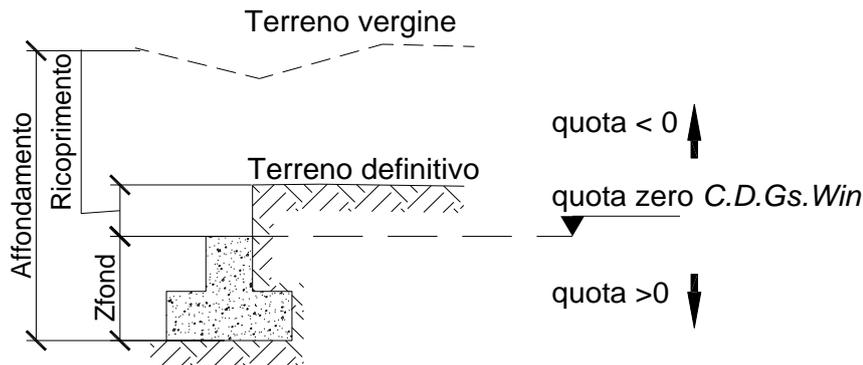
Trave	: <i>numero sequenziale della trave</i>
Asta3d	: <i>numero asta tipo in C.D.S. Win (spaziale)</i>
Filo Iniz	: <i>primo filo fisso</i>
Filo Fin.	: <i>secondo filo fisso</i>
Nodo3d In.	: <i>numero Nodo3d primo filo fisso</i>
Nodo3d Fin	: <i>numero Nodo3d secondo filo fisso</i>
X3d In.	: <i>ascissa Nodo3d Iniziale</i>
Y3d In.	: <i>ordinata Nodo3d Iniziale</i>
Z3d In.	: <i>quota Nodo3d Iniziale</i>
X3d Fin	: <i>ascissa Nodo3d finale</i>
Y3d Fin	: <i>ordinata Nodo3d finale</i>
Z3d Fin	: <i>quota Nodo3d finale</i>
Xfond	: <i>ascissa baricentro fondazione</i>
Yfond	: <i>ordinata baricentro fondazione</i>
Zfond	: <i>quota baricentro base di fondazione nel riferimento di C.D.Gs. Win</i>
Bfond	: <i>dimensione trasversale trave Winkler</i>
Lfond	: <i>dimensione longitudinale trave Winkler</i>

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• **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della stratigrafia del terreno sottostante le travi Winkler.



NOTA: La quota zero di *C.D.Gs. Win* coincide con la quota numero zero dell'alberello quote di *C.D.S. Win* ma cambia la convenzione nel segno: infatti in *C. D. Gs.* le quote sono positive crescenti procedendo verso il basso, mentre in *C. D. S.* le quote sono positive crescenti verso l'alto.

Trave	: <i>numero di trave</i>
Q.t.v.	: <i>quota terreno vergine</i>
Q.t.d.	: <i>quota definitiva terreno</i>
Q.falda	: <i>quota falda</i>
InclTer	: <i>inclinazione terreno</i>
Numero strato	: <i>Numero dello strato a cui si riferiscono i dati che seguono</i>
Sp.str.	: <i>Spessore strato. L'ultimo strato ha spessore indefinito, pertanto il relativo dato non viene stampato</i>
Peso Sp	: <i>peso specifico</i>
Fi	: <i>angolo di attrito interno in gradi</i>
C'	: <i>coesione drenata</i>
Cu	: <i>coesione non drenata</i>
Mod.El.	: <i>modulo elastico</i>
Poisson	: <i>coefficiente di Poisson</i>
Gr.Sovr	: <i>grado di sovraconsolidazione</i>
Mod.Ed	: <i>modulo edometrico</i>

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• **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della portanza delle fondazioni superficiali (travi Winkler, plinti e piastre) in condizioni drenate e non drenate.

Tabella 1: PARAMETRI GEOTECNICI

Trave, Plinto o Piastra	: Numero elemento
Infiss	: Infissione base fondazione dal piano campagna
Tipo Tabella	: Tipo di tabella (M1/M2) per i coeff. parziali per i parametri del terreno
Gamma	: Peso specifico totale di calcolo
Fi	: Angolo di attrito interno di calcolo in gradi
Coes	: Coesione drenata di calcolo
Mod.El.	: Modulo elastico di calcolo
Poiss	: Coefficiente di Poisson
P base	: Pressione litostatica base di fondazione in condizioni drenate
Indice Rigid.	: Indice di rigidezza
IndRig Crit.	: Indice di rigidezza critico
Cu	: Coesione non drenata
Pbase	: Pressione litostatica base di fondazione in cond. non drenate

Tabella 2: COEFFICIENTI DI PORTANZA

Trave, Plinto o Piastra	: Numero elemento
Nc	: Coefficiente di portanza di Brinch-Hansen
Nq	: Coefficiente di portanza di Brinch-Hansen
Ng	: Coefficiente di portanza di Brinch-Hansen
Gc	: Coefficiente di inclinazione del terreno
Gq	: Coefficiente di inclinazione del terreno
bc	: Coefficiente di inclinazione del piano di posa
bq	: Coefficiente di inclinazione del piano di posa
Igk	: Coefficiente per effetti cinematici
Comb.Nro	: Numero della combinazione di carico
Icv	: Coefficiente di inclinazione del carico
Iqv	: Coefficiente di inclinazione del carico
Igv	: Coefficiente di inclinazione del carico
Dc	: Coefficiente di affondamento del piano di posa
Dq	: Coefficiente di affondamento del piano di posa
Dg	: Coefficiente di affondamento del piano di posa
Sc	: Coefficiente di forma
Sq	: Coefficiente di forma
Sg	: Coefficiente di forma
Psic	: Coefficiente di punzonamento
Psig	: Coefficiente di punzonamento

Tabella 3: PORTANZA (per Risultanti)

Trave, Plinto o Piastra	: Numero elemento in numerazione calcolo C.D.Gs. Win
Asta3d, Filo	: Identificativo di input
Comb.	: Numero della combinazione a cui si riferiscono i dati che seguono

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Bx'	: Base di fondazione ridotta lungo x per eccentricità
By'	: Base di fondazione ridotta lungo y per eccentricità
GamEf	: Peso specifico efficace di calcolo
QlimV	: Carico limite in condiz. drenate o non drenate comprensivo dei Coeff. Parziali R1/R2/R3
N	: Carico verticale agente
Coeff.Sicur.	: Minimo tra i rapporti (Q_{limV}/N) tra la condiz. drenata e quella non drenata per la combinazione in esame

Tra tutte le combinazioni vengono riportati i seguenti dati:

Minimo CoeSic	: Minimo coefficiente di sicurezza
N/Ar	: Tensione media agente sull'impronta ridotta
Qlim/Ar	: Tensione limite sull'impronta ridotta
Status Verifica	: Si possono avere i seguenti messaggi:

OK = Verifica soddisfatta

NONVERIF = Non verifica nei seguenti casi:

- Coefficiente di sicurezza minore di 1
- Se $Bx=0$ o $By=0$ per eccentricità eccessiva dei carichi
- Se $Q_{limV}=0$ per inclinazione dei carichi eccessiva a causa di forze orizzontali elevate

SCARICA = Verifica soddisfatta: Impronta non sollecitata o in trazione

DECOMPR = Verifica soddisfatta:

- lo sforzo agente sull'elemento è di trazione, ma la risultante dei carichi agenti sul terreno è di debole compressione per effetto del peso proprio dell'elemento stesso.

Tabella 3: PORTANZA (per Tensioni)

Trave, Plinto o Piastra	: Numero elemento in numerazione calcolo C.D.Gs. Win
Asta3d, Filo	: Identificativo di input
Comb.	: Numero della combinazione a cui si riferiscono i dati che seguono
Bx'	: Base di fondazione ridotta lungo x per eccentricità
By'	: Base di fondazione ridotta lungo y per eccentricità
GamEf	: Peso specifico efficace di calcolo
SgmLimV	: Tensione limite in condiz. drenate o non drenate
SgmTerr	: Tensione elastica massima sul terreno
Coeff.Sicur.	: Minimo tra i rapporti ($SgmLimV/SgmTerr$) tra la condiz. drenata e quella non drenata per la combinazione in esame

Tra tutte le combinazioni vengono riportati i seguenti dati:

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Minimo CoeSic : *Minimo coefficiente di sicurezza*
N/Ar : *Tensione media agente sull'impronta ridotta*
Qlim/Ar : *Tensione limite media sull'impronta ridotta (SgmLimV minima)*
Status Verifica : *Si possono avere i seguenti messaggi:*

OK = *Verifica soddisfatta*

NOVERIF = *Non verifica nei seguenti casi:*

- *Coefficiente di sicurezza minore di 1*
- *Se $B_x=0$ o $B_y=0$ per eccentricita' eccessiva dei carichi*
- *Se $SgmLimV=0$ per inclinazione dei carichi eccessiva a causa di forze orizzontali elevate*

SCARICA = *Impronta non sollecitata o in trazione*

DECOMPR = *Verifica soddisfatta:*

- *lo sforzo agente sull'elemento è di trazione, ma la risultante dei carichi agenti sul terreno è di debole compressione per effetto del peso proprio dell'elemento stesso.*

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DATI GENERALI			
COEFFICIENTI PARZIALI GEOTECNICA			
		TABELLA M1	TABELLA M2
Tangente Resist. Taglio		1.00	
Peso Specifico		1.00	
Coesione Efficace (c'k)		1.00	
Resist. a taglio NON drenata (cuk)		1.00	
Tipo Approccio		Combinazione Unica: (A1+M1+R3)	
Tipo di fondazione		Fondazione Superficiale / a pozzo	
		COEFFICIENTE R1	COEFFICIENTE R2
Capacita' Portante			2.30
Scorrimento			1.10

COORDINATE NODI3D PLATEA															
IDENT. POSIZIONE NODO				IDENT. POSIZIONE NODO				IDENT. POSIZIONE NODO				IDENT. POSIZIONE NODO			
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)
1	4.63	0.00	0.00	2	4.63	2.70	0.00	3	4.63	0.90	0.00	4	0.00	0.00	0.00
5	3.35	0.90	0.00	6	4.63	1.80	0.00	7	0.00	2.70	0.00	10	2.08	0.00	0.00
11	3.35	1.80	0.00	12	2.08	2.70	0.00	13	2.08	0.90	0.00	14	6.70	0.00	0.00
15	2.08	1.80	0.00	16	3.35	0.00	0.00	19	0.00	0.90	0.00	20	0.00	1.80	0.00
21	6.70	0.90	0.00	22	6.70	1.80	0.00	23	6.70	2.70	0.00	27	3.35	2.70	0.00
35	2.71	2.70	0.00	52	5.14	2.70	0.00	53	5.66	2.70	0.00	54	6.18	2.70	0.00
83	2.71	0.00	0.00	100	5.14	0.00	0.00	101	5.66	0.00	0.00	102	6.18	0.00	0.00
131	4.63	0.45	0.00	132	3.99	0.00	0.00	133	3.99	0.45	0.00	134	3.99	0.90	0.00
135	3.35	0.45	0.00	136	2.71	0.45	0.00	137	2.71	0.90	0.00	138	2.08	0.45	0.00
139	4.63	1.35	0.00	140	3.99	1.35	0.00	141	3.99	1.80	0.00	142	3.35	1.35	0.00
143	4.63	2.25	0.00	144	3.99	2.25	0.00	145	3.99	2.70	0.00	146	3.35	2.25	0.00
147	2.71	1.35	0.00	148	2.71	1.80	0.00	149	2.08	1.35	0.00	150	2.71	2.25	0.00
151	2.08	2.25	0.00	152	0.52	0.90	0.00	153	1.04	0.90	0.00	154	1.56	0.90	0.00
155	0.00	1.35	0.00	156	0.52	1.35	0.00	157	1.04	1.35	0.00	158	1.56	1.35	0.00
159	0.52	1.80	0.00	160	1.04	1.80	0.00	161	1.56	1.80	0.00	162	0.00	2.25	0.00
163	0.52	2.25	0.00	164	1.04	2.25	0.00	165	1.56	2.25	0.00	166	0.52	2.70	0.00
167	1.04	2.70	0.00	168	1.56	2.70	0.00	169	6.70	1.35	0.00	170	6.18	0.90	0.00
171	6.18	1.35	0.00	172	6.18	1.80	0.00	173	5.66	0.90	0.00	174	5.66	1.35	0.00
175	5.66	1.80	0.00	176	5.14	0.90	0.00	177	5.14	1.35	0.00	178	5.14	1.80	0.00
179	6.70	2.25	0.00	180	6.18	2.25	0.00	181	5.66	2.25	0.00	182	5.14	2.25	0.00
183	0.52	0.00	0.00	184	1.04	0.00	0.00	185	1.56	0.00	0.00	186	0.00	0.45	0.00
187	0.52	0.45	0.00	188	1.04	0.45	0.00	189	1.56	0.45	0.00	190	6.70	0.45	0.00
191	6.18	0.45	0.00	192	5.66	0.45	0.00	193	5.14	0.45	0.00				

GEOMETRIA PLATEA																																																																							
Shell N.ro	Nodo 1	Nodo 2	Nodo 3	Nodo 4	Str N.ro	Shell N.ro	Nodo 1	Nodo 2	Nodo 3	Nodo 4	Str N.ro	Shell N.ro	Nodo 1	Nodo 2	Nodo 3	Nodo 4	Str N.ro	Shell N.ro	Nodo 1	Nodo 2	Nodo 3	Nodo 4	Str N.ro																																																
5	1	3	5	16	1	6	16	5	13	10	1	7	3	6	11	5	1	8	6	2	27	11	1	9	5	11	15	13	1	10	11	27	12	15	1	11	19	13	15	20	1	12	20	15	12	7	1	13	21	22	6	3	1	14	22	23	2	6	1	15	4	10	13	19	1	16	14	21	3	1	1

STRATIGRAFIA PLATEA															
Str. N.ro	Q.t.v. (m)	Q.t.d. (m)	Q.falda (m)	Incl Grd	Kw kg/cm2	Num Str	Sp.str. (m)	Peso Sp kg/mc	F' (Grd)	C' kg/cm2	Cu kg/cm2	Mod.El. kg/cm2	Poisson	Gr.Sovr (%)	Mod.Ed. kg/cm2
1	-3.10	-3.10		0	15	1		1814	31.00	0.00	0.00	175.00	0.30	1	0.00

COMBINAZIONI CARICHI - S.L.U. - A1															
DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Peso Strutturale	1.30	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SPINTA TERR STATICA	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SPINTA TERR SISMICA	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NEVE	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	0.00	0.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00
Corr. Tors. dir. 90	0.00	0.00	0.30	0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30
Sisma direz. grd 0	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00
Sisma direz. grd 90	0.00	0.00	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	-0.30

COMBINAZIONI CARICHI - S.L.U. - A1															
DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Peso Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SPINTA TERR STATICA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SPINTA TERR SISMICA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
NEVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	1.00	-1.00	1.00	0.30	-0.30	0.30	-0.30	-0.30	0.30	-0.30	0.30	-0.30	0.30	-0.30	0.30
Corr. Tors. dir. 90	-0.30	0.30	0.30	1.00	1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00	1.00	-1.00	-1.00
Sisma direz. grd 0	-1.00	-1.00	-1.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30

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COMBINAZIONI CARICHI - S.L.U. - A1															
DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Sisma direz. grd 90	-0.30	-0.30	-0.30	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00

COMBINAZIONI CARICHI - S.L.U. - A1				
DESCRIZIONI	31	32	33	34
Peso Strutturale	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00	1.00
SPINTA TERR STATICA	1.00	1.00	1.00	1.00
SPINTA TERR SISMICA	1.00	1.00	1.00	1.00
NEVE	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	-0.30	0.30	-0.30	0.30
Corr. Tors. dir. 90	-1.00	-1.00	1.00	1.00
Sisma direz. grd 0	-0.30	-0.30	-0.30	-0.30
Sisma direz. grd 90	-1.00	-1.00	-1.00	-1.00

COMBINAZIONI RARE - S.L.E.		
DESCRIZIONI	1	2
Peso Strutturale	1.00	1.00
Perm.Non Strutturale	1.00	1.00
SPINTA TERR STATICA	1.00	1.00
SPINTA TERR SISMICA	0.00	0.00
NEVE	0.00	1.00
Corr. Tors. dir. 0	0.00	0.00
Corr. Tors. dir. 90	0.00	0.00
Sisma direz. grd 0	0.00	0.00
Sisma direz. grd 90	0.00	0.00

COMBINAZIONI FREQUENTI - S.L.E.		
DESCRIZIONI	1	2
Peso Strutturale	1.00	1.00
Perm.Non Strutturale	1.00	1.00
SPINTA TERR STATICA	1.00	1.00
SPINTA TERR SISMICA	0.00	0.00
NEVE	0.00	0.20
Corr. Tors. dir. 0	0.00	0.00
Corr. Tors. dir. 90	0.00	0.00
Sisma direz. grd 0	0.00	0.00
Sisma direz. grd 90	0.00	0.00

COMBINAZIONI PERMANENTI - S.L.E.	
DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
SPINTA TERR STATICA	1.00
SPINTA TERR SISMICA	0.00
NEVE	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

RISULTANTI SOLLECITAZIONI NODI PLATEE											
Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)
1	A1 / 1	-0.83	2	A1 / 1	-0.83	3	A1 / 1	-1.91	4	A1 / 1	-0.37
	A1 / 2	-0.84		A1 / 2	-0.84		A1 / 2	-1.93		A1 / 2	-0.38
X+	A1 / 8	-0.62	X+	A1 / 3	-0.62	X+	A1 / 8	-1.42	X+	A1 / 9	-0.28
X-	A1 / 15	-0.62	X-	A1 / 12	-0.62	X-	A1 / 15	-1.42	X-	A1 / 18	-0.28
Y+	A1 / 29	-0.62	Y+	A1 / 28	-0.62	Y+	A1 / 29	-1.42	Y+	A1 / 28	-0.28
Y-	A1 / 31	-0.62	Y-	A1 / 34	-0.62	Y-	A1 / 31	-1.42	Y-	A1 / 34	-0.28
5	A1 / 1	-2.15	6	A1 / 1	-1.91	7	A1 / 1	-0.37	10	A1 / 1	-0.83
	A1 / 2	-2.17		A1 / 2	-1.93		A1 / 2	-0.38		A1 / 2	-0.84
X+	A1 / 7	-1.59	X+	A1 / 3	-1.42	X+	A1 / 6	-0.28	X+	A1 / 9	-0.62
X-	A1 / 15	-1.59	X-	A1 / 12	-1.42	X-	A1 / 13	-0.28	X-	A1 / 18	-0.62
Y+	A1 / 19	-1.59	Y+	A1 / 28	-1.42	Y+	A1 / 29	-0.28	Y+	A1 / 19	-0.62
Y-	A1 / 23	-1.59	Y-	A1 / 34	-1.42	Y-	A1 / 31	-0.28	Y-	A1 / 25	-0.62
11	A1 / 1	-2.15	12	A1 / 1	-0.83	13	A1 / 1	-1.91	14	A1 / 1	-0.37
	A1 / 2	-2.17		A1 / 2	-0.84		A1 / 2	-1.93		A1 / 2	-0.38
X+	A1 / 3	-1.59	X+	A1 / 6	-0.62	X+	A1 / 9	-1.42	X+	A1 / 8	-0.28
X-	A1 / 11	-1.59	X-	A1 / 13	-0.62	X-	A1 / 18	-1.42	X-	A1 / 15	-0.28
Y+	A1 / 19	-1.59	Y+	A1 / 22	-0.62	Y+	A1 / 19	-1.42	Y+	A1 / 22	-0.28
Y-	A1 / 23	-1.59	Y-	A1 / 24	-0.62	Y-	A1 / 25	-1.42	Y-	A1 / 24	-0.28
15	A1 / 1	-1.91	16	A1 / 1	-0.91	19	A1 / 1	-0.76	20	A1 / 1	-0.76
	A1 / 2	-1.93		A1 / 2	-0.92		A1 / 2	-0.77		A1 / 2	-0.77
X+	A1 / 6	-1.42	X+	A1 / 8	-0.68	X+	A1 / 9	-0.57	X+	A1 / 6	-0.57
X-	A1 / 13	-1.42	X-	A1 / 15	-0.68	X-	A1 / 18	-0.57	X-	A1 / 13	-0.57
Y+	A1 / 22	-1.42	Y+	A1 / 21	-0.68	Y+	A1 / 28	-0.57	Y+	A1 / 29	-0.57

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RISULTANTI SOLLECITAZIONI NODI PLATEE											
Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)
	Y- A1 / 24	-1.42		Y- A1 / 23	-0.68		Y- A1 / 34	-0.57		Y- A1 / 31	-0.57
21	A1 / 1	-0.76	22	A1 / 1	-0.76	23	A1 / 1	-0.37	27	A1 / 1	-0.91
	A1 / 2	-0.77		A1 / 2	-0.77		A1 / 2	-0.38		A1 / 2	-0.92
	X+ A1 / 8	-0.57		X+ A1 / 3	-0.57		X+ A1 / 3	-0.28		X+ A1 / 3	-0.68
	X- A1 / 15	-0.57		X- A1 / 12	-0.57		X- A1 / 12	-0.28		X- A1 / 12	-0.68
	Y+ A1 / 22	-0.57		Y+ A1 / 19	-0.57		Y+ A1 / 19	-0.28		Y+ A1 / 19	-0.68
	Y- A1 / 24	-0.57		Y- A1 / 25	-0.57		Y- A1 / 25	-0.28		Y- A1 / 25	-0.68
35	A1 / 1	-0.91	52	A1 / 1	-0.75	53	A1 / 1	-0.75	54	A1 / 1	-0.75
	A1 / 2	-0.93		A1 / 2	-0.76		A1 / 2	-0.76		A1 / 2	-0.76
	X+ A1 / 6	-0.69		X+ A1 / 3	-0.56		X+ A1 / 3	-0.56		X+ A1 / 3	-0.56
	X- A1 / 13	-0.69		X- A1 / 12	-0.56		X- A1 / 12	-0.56		X- A1 / 12	-0.56
	Y+ A1 / 22	-0.69		Y+ A1 / 28	-0.56		Y+ A1 / 28	-0.56		Y+ A1 / 28	-0.56
	Y- A1 / 24	-0.69		Y- A1 / 34	-0.56		Y- A1 / 34	-0.56		Y- A1 / 34	-0.56
83	A1 / 1	-0.91	100	A1 / 1	-0.75	101	A1 / 1	-0.75	102	A1 / 1	-0.75
	A1 / 2	-0.93		A1 / 2	-0.76		A1 / 2	-0.76		A1 / 2	-0.76
	X+ A1 / 9	-0.69		X+ A1 / 8	-0.56		X+ A1 / 8	-0.56		X+ A1 / 8	-0.56
	X- A1 / 18	-0.69		X- A1 / 15	-0.56		X- A1 / 15	-0.56		X- A1 / 15	-0.56
	Y+ A1 / 19	-0.69		Y+ A1 / 29	-0.56		Y+ A1 / 29	-0.56		Y+ A1 / 29	-0.56
	Y- A1 / 25	-0.69		Y- A1 / 31	-0.56		Y- A1 / 31	-0.56		Y- A1 / 31	-0.56
131	A1 / 1	-1.83	132	A1 / 1	-0.91	133	A1 / 1	-2.04	134	A1 / 1	-2.14
	A1 / 2	-1.85		A1 / 2	-0.93		A1 / 2	-2.06		A1 / 2	-2.16
	X+ A1 / 8	-1.36		X+ A1 / 8	-0.69		X+ A1 / 8	-1.52		X+ A1 / 8	-1.59
	X- A1 / 15	-1.36		X- A1 / 15	-0.69		X- A1 / 15	-1.52		X- A1 / 15	-1.59
	Y+ A1 / 29	-1.36		Y+ A1 / 29	-0.69		Y+ A1 / 29	-1.52		Y+ A1 / 29	-1.59
	Y- A1 / 31	-1.36		Y- A1 / 31	-0.69		Y- A1 / 31	-1.52		Y- A1 / 31	-1.59
135	A1 / 1	-2.04	136	A1 / 1	-2.04	137	A1 / 1	-2.14	138	A1 / 1	-1.83
	A1 / 2	-2.07		A1 / 2	-2.06		A1 / 2	-2.16		A1 / 2	-1.85
	X+ A1 / 7	-1.52		X+ A1 / 9	-1.52		X+ A1 / 9	-1.59		X+ A1 / 9	-1.36
	X- A1 / 15	-1.52		X- A1 / 18	-1.52		X- A1 / 18	-1.59		X- A1 / 18	-1.36
	Y+ A1 / 21	-1.52		Y+ A1 / 19	-1.52		Y+ A1 / 19	-1.59		Y+ A1 / 19	-1.36
	Y- A1 / 23	-1.52		Y- A1 / 25	-1.52		Y- A1 / 25	-1.59		Y- A1 / 25	-1.36
139	A1 / 1	-1.93	140	A1 / 1	-2.17	141	A1 / 1	-2.14	142	A1 / 1	-2.18
	A1 / 2	-1.95		A1 / 2	-2.19		A1 / 2	-2.16		A1 / 2	-2.20
	X+ A1 / 3	-1.43		X+ A1 / 3	-1.61		X+ A1 / 3	-1.59		X+ A1 / 3	-1.61
	X- A1 / 11	-1.43		X- A1 / 11	-1.61		X- A1 / 12	-1.59		X- A1 / 11	-1.61
	Y+ A1 / 27	-1.43		Y+ A1 / 27	-1.61		Y+ A1 / 28	-1.59		Y+ A1 / 19	-1.61
	Y- A1 / 31	-1.43		Y- A1 / 31	-1.61		Y- A1 / 34	-1.59		Y- A1 / 23	-1.61
143	A1 / 1	-1.83	144	A1 / 1	-2.04	145	A1 / 1	-0.91	146	A1 / 1	-2.04
	A1 / 2	-1.85		A1 / 2	-2.06		A1 / 2	-0.93		A1 / 2	-2.07
	X+ A1 / 3	-1.36		X+ A1 / 3	-1.52		X+ A1 / 3	-0.69		X+ A1 / 3	-1.52
	X- A1 / 12	-1.36		X- A1 / 12	-1.52		X- A1 / 12	-0.69		X- A1 / 11	-1.52
	Y+ A1 / 28	-1.36		Y+ A1 / 28	-1.52		Y+ A1 / 28	-0.69		Y+ A1 / 19	-1.52
	Y- A1 / 34	-1.36		Y- A1 / 34	-1.52		Y- A1 / 34	-0.69		Y- A1 / 25	-1.52
147	A1 / 1	-2.17	148	A1 / 1	-2.14	149	A1 / 1	-1.94	150	A1 / 1	-2.04
	A1 / 2	-2.19		A1 / 2	-2.16		A1 / 2	-1.95		A1 / 2	-2.06
	X+ A1 / 3	-1.61		X+ A1 / 6	-1.59		X+ A1 / 3	-1.43		X+ A1 / 6	-1.52
	X- A1 / 11	-1.61		X- A1 / 13	-1.59		X- A1 / 11	-1.43		X- A1 / 13	-1.52
	Y+ A1 / 19	-1.61		Y+ A1 / 22	-1.59		Y+ A1 / 19	-1.43		Y+ A1 / 22	-1.52
	Y- A1 / 23	-1.61		Y- A1 / 24	-1.59		Y- A1 / 23	-1.43		Y- A1 / 24	-1.52
151	A1 / 1	-1.83	152	A1 / 1	-1.56	153	A1 / 1	-1.61	154	A1 / 1	-1.66
	A1 / 2	-1.85		A1 / 2	-1.58		A1 / 2	-1.62		A1 / 2	-1.68
	X+ A1 / 6	-1.36		X+ A1 / 9	-1.17		X+ A1 / 9	-1.20		X+ A1 / 9	-1.24
	X- A1 / 13	-1.36		X- A1 / 18	-1.17		X- A1 / 18	-1.20		X- A1 / 18	-1.24
	Y+ A1 / 22	-1.36		Y+ A1 / 19	-1.17		Y+ A1 / 19	-1.20		Y+ A1 / 19	-1.24
	Y- A1 / 24	-1.36		Y- A1 / 25	-1.17		Y- A1 / 25	-1.20		Y- A1 / 25	-1.24
155	A1 / 1	-0.76	156	A1 / 1	-1.56	157	A1 / 1	-1.62	158	A1 / 1	-1.68
	A1 / 2	-0.77		A1 / 2	-1.58		A1 / 2	-1.63		A1 / 2	-1.70
	X+ A1 / 3	-0.57		X+ A1 / 3	-1.17		X+ A1 / 3	-1.20		X+ A1 / 3	-1.25
	X- A1 / 11	-0.57		X- A1 / 11	-1.17		X- A1 / 11	-1.20		X- A1 / 11	-1.25
	Y+ A1 / 27	-0.57		Y+ A1 / 19	-1.17		Y+ A1 / 19	-1.20		Y+ A1 / 19	-1.25
	Y- A1 / 31	-0.57		Y- A1 / 23	-1.17		Y- A1 / 23	-1.20		Y- A1 / 23	-1.25
159	A1 / 1	-1.56	160	A1 / 1	-1.61	161	A1 / 1	-1.66	162	A1 / 1	-0.76
	A1 / 2	-1.58		A1 / 2	-1.62		A1 / 2	-1.68		A1 / 2	-0.77
	X+ A1 / 6	-1.17		X+ A1 / 6	-1.20		X+ A1 / 6	-1.24		X+ A1 / 6	-0.57
	X- A1 / 13	-1.17		X- A1 / 13	-1.20		X- A1 / 13	-1.24		X- A1 / 13	-0.57

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RISULTANTI SOLLECITAZIONI NODI PLATEE											
Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)	Nod3d N.ro	Combinazione N.ro	Fz (t)
	Y+ A1 / 22	-1.17		Y+ A1 / 22	-1.20		Y+ A1 / 22	-1.24		Y+ A1 / 29	-0.57
	Y- A1 / 24	-1.17		Y- A1 / 24	-1.20		Y- A1 / 24	-1.24		Y- A1 / 31	-0.57
163	A1 / 1	-1.54	164	A1 / 1	-1.57	165	A1 / 1	-1.61	166	A1 / 1	-0.75
	A1 / 2	-1.56		A1 / 2	-1.59		A1 / 2	-1.63		A1 / 2	-0.76
	X+ A1 / 6	-1.15		X+ A1 / 6	-1.17		X+ A1 / 6	-1.20		X+ A1 / 6	-0.56
	X- A1 / 13	-1.15		X- A1 / 13	-1.17		X- A1 / 13	-1.20		X- A1 / 13	-0.56
	Y+ A1 / 22	-1.15		Y+ A1 / 22	-1.17		Y+ A1 / 22	-1.20		Y+ A1 / 22	-0.56
	Y- A1 / 24	-1.15		Y- A1 / 24	-1.17		Y- A1 / 24	-1.20		Y- A1 / 24	-0.56
167	A1 / 1	-0.75	168	A1 / 1	-0.75	169	A1 / 1	-0.76	170	A1 / 1	-1.56
	A1 / 2	-0.76		A1 / 2	-0.76		A1 / 2	-0.77		A1 / 2	-1.58
	X+ A1 / 6	-0.56		X+ A1 / 6	-0.56		X+ A1 / 3	-0.57		X+ A1 / 8	-1.17
	X- A1 / 13	-0.56		X- A1 / 13	-0.56		X- A1 / 11	-0.57		X- A1 / 15	-1.17
	Y+ A1 / 22	-0.56		Y+ A1 / 22	-0.56		Y+ A1 / 19	-0.57		Y+ A1 / 29	-1.17
	Y- A1 / 24	-0.56		Y- A1 / 24	-0.56		Y- A1 / 23	-0.57		Y- A1 / 31	-1.17
171	A1 / 1	-1.56	172	A1 / 1	-1.56	173	A1 / 1	-1.61	174	A1 / 1	-1.62
	A1 / 2	-1.58		A1 / 2	-1.58		A1 / 2	-1.62		A1 / 2	-1.63
	X+ A1 / 3	-1.17		X+ A1 / 3	-1.17		X+ A1 / 8	-1.20		X+ A1 / 3	-1.20
	X- A1 / 11	-1.17		X- A1 / 12	-1.17		X- A1 / 15	-1.20		X- A1 / 11	-1.20
	Y+ A1 / 27	-1.17		Y+ A1 / 28	-1.17		Y+ A1 / 29	-1.20		Y+ A1 / 27	-1.20
	Y- A1 / 31	-1.17		Y- A1 / 34	-1.17		Y- A1 / 31	-1.20		Y- A1 / 31	-1.20
175	A1 / 1	-1.61	176	A1 / 1	-1.66	177	A1 / 1	-1.68	178	A1 / 1	-1.66
	A1 / 2	-1.62		A1 / 2	-1.68		A1 / 2	-1.70		A1 / 2	-1.68
	X+ A1 / 3	-1.20		X+ A1 / 8	-1.24		X+ A1 / 3	-1.25		X+ A1 / 3	-1.24
	X- A1 / 12	-1.20		X- A1 / 15	-1.24		X- A1 / 11	-1.25		X- A1 / 12	-1.24
	Y+ A1 / 28	-1.20		Y+ A1 / 29	-1.24		Y+ A1 / 27	-1.25		Y+ A1 / 28	-1.24
	Y- A1 / 34	-1.20		Y- A1 / 31	-1.24		Y- A1 / 31	-1.25		Y- A1 / 34	-1.24
179	A1 / 1	-0.76	180	A1 / 1	-1.54	181	A1 / 1	-1.57	182	A1 / 1	-1.61
	A1 / 2	-0.77		A1 / 2	-1.56		A1 / 2	-1.59		A1 / 2	-1.63
	X+ A1 / 3	-0.57		X+ A1 / 3	-1.15		X+ A1 / 3	-1.17		X+ A1 / 3	-1.20
	X- A1 / 12	-0.57		X- A1 / 12	-1.15		X- A1 / 12	-1.17		X- A1 / 12	-1.20
	Y+ A1 / 19	-0.57		Y+ A1 / 28	-1.15		Y+ A1 / 28	-1.17		Y+ A1 / 28	-1.20
	Y- A1 / 25	-0.57		Y- A1 / 34	-1.15		Y- A1 / 34	-1.17		Y- A1 / 34	-1.20
183	A1 / 1	-0.75	184	A1 / 1	-0.75	185	A1 / 1	-0.75	186	A1 / 1	-0.76
	A1 / 2	-0.76		A1 / 2	-0.76		A1 / 2	-0.76		A1 / 2	-0.77
	X+ A1 / 9	-0.56		X+ A1 / 9	-0.56		X+ A1 / 9	-0.56		X+ A1 / 9	-0.57
	X- A1 / 18	-0.56		X- A1 / 18	-0.56		X- A1 / 18	-0.56		X- A1 / 18	-0.57
	Y+ A1 / 19	-0.56		Y+ A1 / 19	-0.56		Y+ A1 / 19	-0.56		Y+ A1 / 28	-0.57
	Y- A1 / 25	-0.56		Y- A1 / 25	-0.56		Y- A1 / 25	-0.56		Y- A1 / 34	-0.57
187	A1 / 1	-1.54	188	A1 / 1	-1.57	189	A1 / 1	-1.61	190	A1 / 1	-0.76
	A1 / 2	-1.56		A1 / 2	-1.59		A1 / 2	-1.63		A1 / 2	-0.77
	X+ A1 / 9	-1.15		X+ A1 / 9	-1.17		X+ A1 / 9	-1.20		X+ A1 / 8	-0.57
	X- A1 / 18	-1.15		X- A1 / 18	-1.17		X- A1 / 18	-1.20		X- A1 / 15	-0.57
	Y+ A1 / 19	-1.15		Y+ A1 / 19	-1.17		Y+ A1 / 19	-1.20		Y+ A1 / 22	-0.57
	Y- A1 / 25	-1.15		Y- A1 / 25	-1.17		Y- A1 / 25	-1.20		Y- A1 / 24	-0.57
191	A1 / 1	-1.54	192	A1 / 1	-1.57	193	A1 / 1	-1.61			
	A1 / 2	-1.56		A1 / 2	-1.59		A1 / 2	-1.63			
	X+ A1 / 8	-1.15		X+ A1 / 8	-1.17		X+ A1 / 8	-1.20			
	X- A1 / 15	-1.15		X- A1 / 15	-1.17		X- A1 / 15	-1.20			
	Y+ A1 / 29	-1.15		Y+ A1 / 29	-1.17		Y+ A1 / 29	-1.20			
	Y- A1 / 31	-1.15		Y- A1 / 31	-1.17		Y- A1 / 31	-1.20			

PARAMETRI GEOTECNICI PIASTRE WINKLER													
IDENTIFICATIVO				CONDIZIONE DRENATA							NON DRENATA		
Piast N.ro	Infiss m	Tipo Tabel	Gamma kg/mc	F _i Grd	C' kg/cmq	Mod.El kg/cmq	Poiss on	P base kg/cmq	Indice Rigid.	IndRig Crit.	Cu kg/cmq	P base kg/cmq	
1	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.35	77.03			
2	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.35	77.03			
3	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03			
4	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	165.97	77.03			
5	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 24 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PARAMETRI GEOTECNICI PIASTRE WINKLER												
IDENTIFICATIVO				CONDIZIONE DRENATA							NON DRENATA	
Piast N.ro	Infiss m	Tipo Tabel	Gamma kg/mc	Fi' Grd	C' kg/cmq	Mod.El kg/cmq	Poiss on	P base kg/cmq	Indice Rigid.	IndRig Crit.	Cu kg/cmq	P base kg/cmq
6	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
7	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	165.97	77.03		
8	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.35	77.03		
9	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
10	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.35	77.03		
11	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
12	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	165.97	77.03		
13	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
14	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
15	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
16	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
17	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
18	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
19	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	165.97	77.03		
20	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
21	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
22	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
23	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
24	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
25	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
26	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
27	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
28	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
29	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
30	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
31	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
32	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
33	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
34	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
35	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 25 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PARAMETRI GEOTECNICI PIASTRE WINKLER												
IDENTIFICATIVO				CONDIZIONE DRENATA							NON DRENATA	
Piast N.ro	Infiss m	Tipo Tabel	Gamma kg/mc	Fi' Grd	C' kg/cmq	Mod.El kg/cmq	Poiss on	P base kg/cmq	Indice Rigid.	IndRig Crit.	Cu kg/cmq	P base kg/cmq
36	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
37	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
38	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
39	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
40	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
41	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
42	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
43	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	162.96	77.03		
44	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
45	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
46	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
47	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
48	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	159.66	77.03		
49	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.19	77.03		
50	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
51	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
52	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
53	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
54	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
55	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
56	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
57	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
58	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
59	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
60	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
61	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
62	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
63	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
64	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
65	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
66	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 26 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PARAMETRI GEOTECNICI PIASTRE WINKLER												
IDENTIFICATIVO				CONDIZIONE DRENATA							NON DRENATA	
Piast N.ro	Infiss m	Tipo Tabel	Gamma kg/mc	Fi' Grd	C' kg/cmq	Mod.El kg/cmq	Poiss on	P base kg/cmq	Indice Rigid.	IndRig Crit.	Cu kg/cmq	P base kg/cmq
67	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
68	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
69	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
70	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
71	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
72	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
73	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
74	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
75	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
76	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
77	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
78	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
79	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
80	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
81	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
82	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
83	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
84	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
85	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
86	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
87	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
88	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	163.76	77.03		
89	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
90	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		
91	3.60	M1	1814	31.00	0.00	175.00	0.30	0.65	160.75	77.03		

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																																				
Piast N.ro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Igk Sism	CoeffIncl.Car.			Affondamento			Forma			Punzonamento																	
	Nc	Nq	Ng		Bc	Bg	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig															
1	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00															
																						A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
																						X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
																						X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
																						Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
																						Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
2	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00															
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00															

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 27 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																								
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Ilgk Sism	CoeffincI.Car.			Affondamento			Punzonamento								
	Nc	Nq	Nq		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig			
3	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/8	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
4	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/29	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/31	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/9	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
5	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/18	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/18	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/28	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/34	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/7	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
6	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/12	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/28	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/34	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
7	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/13	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/13	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/29	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/31	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/6	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
8	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/19	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/18	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/9	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
9	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/23	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
10	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
11	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/19	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/18	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/25	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/9	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
12	32.67	20.63	25.99	1.00	1.00	1.00	1.00			X+	A1/15	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										X-	A1/15	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y+	A1/22	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
										Y-	A1/24	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
											A1/1	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63					

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 28 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Igrk Sism	Coeffici.Car.			Affondamento			Punzonamento						
	Nc	Nq	Ng		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psiq	Psig	
				1.00	1.00	1.00	1.00	A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/21	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
15	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/9	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
16	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
17	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
18	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
19	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/25	1.00	0.87	0.88	0.81	1.45	1.43	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
20	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
21	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
22	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
23	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
24	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00								
25	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/9	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00								

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 29 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Igk Sism	Coeff. Inci. Car.			Affondamento			Punzonamento						
	Nc	Nq	Ng		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig	
26	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
27	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
28	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
29	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
30	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
31	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
32	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/8	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
33	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/7	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/21	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
34	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/9	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
35	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/9	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40							

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 30 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Ilgk Sism	Coeffincl.Car.			Affondamento			Forma			Punzonamento			
	Nc	Nq	Nq		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig	
38	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
39	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
40	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
41	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
42	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
43	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.44	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
44	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
45	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
46	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/6	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
47	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								X+	A1/3	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
48	32.67	20.63	25.99	1.00	1.00	1.00	1.00	A1/1	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
								A1/2	1.00	1.00	1.00	1.00	1.42	1.40	1.00	1.63	1.60</					

	PROGETTISTA 		COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA		RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar		Fg. 31 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Iqk Sism	Coeffincl.Car.			Affondamento			Punzonamento						
	Nc	Nq	Ng		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig	
50	32.67	20.63	25.99	1.00	1.00	1.00	1.00	Y-	A1/24	1.00	0.87	0.88	0.81	1.42	1.40	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
51	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
52	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
53	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
54	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
55	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
56	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
57	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
58	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
59	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
60	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44</								

	PROGETTISTA 		COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA		RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar		Fg. 32 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Ilgk Sism	Coeff. Inci. Car.			Affondamento			Forma			Punzonamento			
	Nc	Nq	Nq		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psiq	Psig	
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
62	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
63	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
64	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
65	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
66	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/6	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/13	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
67	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/23	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
68	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
69	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
70	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
71	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
72	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.81	1.43								

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 33 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																						
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Ilgk Sism	Coefflncd.Car.			Affondamento			Punzonamento						
	Nc	Nq	Ng		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psig	Psig	
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
74	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
75	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/11	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
76	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
77	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
78	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
79	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
80	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/3	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/12	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/34	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
81	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/9	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
82	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X+	A1/9	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								X-	A1/18	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y+	A1/19	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
								Y-	A1/25	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
83	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 34 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

COEFFICIENTI DI PORTANZA PIASTRE WINKLER - CONDIZIONI DRENATE																							
Piastr Nro	Brinch Hansen			IclTe Gc=Gq	Incl.PianoPosa			Comb N.ro	Ilgk Sism	Coeffici.Car.			Affondamento			Punzonamento							
	Nc	Nq	Ng		Bc	Bq	Bg			IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psiq	Psig		
									X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
86	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
87	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/9	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/18	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/19	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/25	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
88	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/8	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/15	1.00	0.89	0.90	0.84	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/22	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/24	1.00	0.87	0.88	0.81	1.44	1.42	1.00	1.63	1.60	0.60	1.00	1.00	1.00
89	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
90	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
91	32.67	20.63	25.99	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									A1/2	1.00	1.00	1.00	1.00	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00	
									X+	A1/8	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									X-	A1/15	1.00	0.89	0.90	0.84	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y+	A1/29	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00
									Y-	A1/31	1.00	0.87	0.88	0.81	1.43	1.41	1.00	1.63	1.60	0.60	1.00	1.00	1.00

CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE				NON DRENATE		RISULTATI			
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
1	1	A1 / 1	0.36	0.36	1814	17.6								
		A1 / 2	0.36	0.36	1814	17.6								
		X+ A1 / 8	0.36	0.36	1814	15.8								
		X- A1 / 15	0.36	0.36	1814	15.8								
		Y+ A1 / 29	0.36	0.36	1814	15.4								
		Y- A1 / 31	0.36	0.36	1814	15.4								
2	2	A1 / 1	0.36	0.36	1814	17.6								
		A1 / 2	0.36	0.36	1814	17.6								
		X+ A1 / 3	0.36	0.36	1814	15.8								
		X- A1 / 12	0.36	0.36	1814	15.8								
		Y+ A1 / 28	0.36	0.36	1814	15.4								
		Y- A1 / 34	0.36	0.36	1814	15.4								
3	3	A1 / 1	0.51	0.51	1814	35.1								
		A1 / 2	0.51	0.51	1814	35.1								
		X+ A1 / 8	0.51	0.51	1814	31.5								
		X- A1 / 15	0.51	0.51	1814	31.5								
		Y+ A1 / 29	0.51	0.51	1814	30.8								
		Y- A1 / 31	0.51	0.51	1814	30.8								
4	4	A1 / 1	0.24	0.24	1814	7.9								
		A1 / 2	0.24	0.24	1814	7.9								
		X+ A1 / 9	0.24	0.24	1814	7.1								
		X- A1 / 18	0.24	0.24	1814	7.1								
		Y+ A1 / 28	0.24	0.24	1814	6.9								
		Y- A1 / 34	0.24	0.24	1814	6.9								

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 35 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CARICO LIMITE PIASTRE WINKLER															
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI						
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica	
5	5	A1 / 1	0.54	0.54	1814	38.7									
		A1 / 2	0.54	0.54	1814	38.7									
		X+ A1 / 7	0.54	0.54	1814	34.7									
		X- A1 / 15	0.54	0.54	1814	34.7									
		Y+ A1 / 19	0.54	0.54	1814	33.9									
		Y- A1 / 23	0.54	0.54	1814	33.9									
6	6	A1 / 1	0.51	0.51	1814	35.1									
		A1 / 2	0.51	0.51	1814	35.1									
		X+ A1 / 3	0.51	0.51	1814	31.5									
		X- A1 / 12	0.51	0.51	1814	31.5									
		Y+ A1 / 28	0.51	0.51	1814	30.8									
		Y- A1 / 34	0.51	0.51	1814	30.8									
7	7	A1 / 1	0.24	0.24	1814	7.9									
		A1 / 2	0.24	0.24	1814	7.9									
		X+ A1 / 6	0.24	0.24	1814	7.1									
		X- A1 / 13	0.24	0.24	1814	7.1									
		Y+ A1 / 29	0.24	0.24	1814	6.9									
		Y- A1 / 31	0.24	0.24	1814	6.9									
8	10	A1 / 1	0.36	0.36	1814	17.6									
		A1 / 2	0.36	0.36	1814	17.6									
		X+ A1 / 9	0.36	0.36	1814	15.8									
		X- A1 / 18	0.36	0.36	1814	15.8									
		Y+ A1 / 19	0.36	0.36	1814	15.4									
		Y- A1 / 25	0.36	0.36	1814	15.4									
9	11	A1 / 1	0.54	0.54	1814	38.7									
		A1 / 2	0.54	0.54	1814	38.7									
		X+ A1 / 3	0.54	0.54	1814	34.7									
		X- A1 / 11	0.54	0.54	1814	34.7									
		Y+ A1 / 19	0.54	0.54	1814	33.9									
		Y- A1 / 23	0.54	0.54	1814	33.9									
10	12	A1 / 1	0.36	0.36	1814	17.6									
		A1 / 2	0.36	0.36	1814	17.6									
		X+ A1 / 6	0.36	0.36	1814	15.8									
		X- A1 / 13	0.36	0.36	1814	15.8									
		Y+ A1 / 22	0.36	0.36	1814	15.4									
		Y- A1 / 24	0.36	0.36	1814	15.4									
11	13	A1 / 1	0.51	0.51	1814	35.1									
		A1 / 2	0.51	0.51	1814	35.1									
		X+ A1 / 9	0.51	0.51	1814	31.5									
		X- A1 / 18	0.51	0.51	1814	31.5									
		Y+ A1 / 19	0.51	0.51	1814	30.8									
		Y- A1 / 25	0.51	0.51	1814	30.8									
12	14	A1 / 1	0.24	0.24	1814	7.9									
		A1 / 2	0.24	0.24	1814	7.9									
		X+ A1 / 8	0.24	0.24	1814	7.1									
		X- A1 / 15	0.24	0.24	1814	7.1									
		Y+ A1 / 22	0.24	0.24	1814	6.9									
		Y- A1 / 24	0.24	0.24	1814	6.9									
13	15	A1 / 1	0.51	0.51	1814	35.1									
		A1 / 2	0.51	0.51	1814	35.1									
		X+ A1 / 6	0.51	0.51	1814	31.5									
		X- A1 / 13	0.51	0.51	1814	31.5									
		Y+ A1 / 22	0.51	0.51	1814	30.8									
		Y- A1 / 24	0.51	0.51	1814	30.8									
14	16	A1 / 1	0.38	0.38	1814	19.4									
		A1 / 2	0.38	0.38	1814	19.4									
		X+ A1 / 8	0.38	0.38	1814	17.4									
		X- A1 / 15	0.38	0.38	1814	17.4									
		Y+ A1 / 21	0.38	0.38	1814	17.0									
		Y- A1 / 23	0.38	0.38	1814	17.0									
15	19	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 9	0.34	0.34	1814	14.2									
		X- A1 / 18	0.34	0.34	1814	14.2									
		Y+ A1 / 28	0.34	0.34	1814	13.8									
		Y- A1 / 28	0.34	0.34	1814	13.8									

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 36 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		Y-	A1 / 34	0.34	0.34	1814	13.8							
16	20		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 6	0.34	0.34	1814	14.2							
		X-	A1 / 13	0.34	0.34	1814	14.2							
		Y+	A1 / 29	0.34	0.34	1814	13.8							
		Y-	A1 / 31	0.34	0.34	1814	13.8							
17	21		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 8	0.34	0.34	1814	14.2							
		X-	A1 / 15	0.34	0.34	1814	14.2							
		Y+	A1 / 22	0.34	0.34	1814	13.8							
		Y-	A1 / 24	0.34	0.34	1814	13.8							
18	22		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 3	0.34	0.34	1814	14.2							
		X-	A1 / 12	0.34	0.34	1814	14.2							
		Y+	A1 / 19	0.34	0.34	1814	13.8							
		Y-	A1 / 25	0.34	0.34	1814	13.8							
19	23		A1 / 1	0.24	0.24	1814	7.9							
			A1 / 2	0.24	0.24	1814	7.9							
		X+	A1 / 3	0.24	0.24	1814	7.1							
		X-	A1 / 12	0.24	0.24	1814	7.1							
		Y+	A1 / 19	0.24	0.24	1814	6.9							
		Y-	A1 / 25	0.24	0.24	1814	6.9							
20	27		A1 / 1	0.38	0.38	1814	19.4							
			A1 / 2	0.38	0.38	1814	19.4							
		X+	A1 / 3	0.38	0.38	1814	17.4							
		X-	A1 / 12	0.38	0.38	1814	17.4							
		Y+	A1 / 19	0.38	0.38	1814	17.0							
		Y-	A1 / 25	0.38	0.38	1814	17.0							
21	35		A1 / 1	0.38	0.38	1814	19.4							
			A1 / 2	0.38	0.38	1814	19.4							
		X+	A1 / 6	0.38	0.38	1814	17.4							
		X-	A1 / 13	0.38	0.38	1814	17.4							
		Y+	A1 / 22	0.38	0.38	1814	17.0							
		Y-	A1 / 24	0.38	0.38	1814	17.0							
22	52		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 3	0.34	0.34	1814	14.2							
		X-	A1 / 12	0.34	0.34	1814	14.2							
		Y+	A1 / 28	0.34	0.34	1814	13.8							
		Y-	A1 / 34	0.34	0.34	1814	13.8							
23	53		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 3	0.34	0.34	1814	14.2							
		X-	A1 / 12	0.34	0.34	1814	14.2							
		Y+	A1 / 28	0.34	0.34	1814	13.8							
		Y-	A1 / 34	0.34	0.34	1814	13.8							
24	54		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 3	0.34	0.34	1814	14.2							
		X-	A1 / 12	0.34	0.34	1814	14.2							
		Y+	A1 / 28	0.34	0.34	1814	13.8							
		Y-	A1 / 34	0.34	0.34	1814	13.8							
25	83		A1 / 1	0.38	0.38	1814	19.4							
			A1 / 2	0.38	0.38	1814	19.4							
		X+	A1 / 9	0.38	0.38	1814	17.4							
		X-	A1 / 18	0.38	0.38	1814	17.4							
		Y+	A1 / 19	0.38	0.38	1814	17.0							
		Y-	A1 / 25	0.38	0.38	1814	17.0							
26	100		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 8	0.34	0.34	1814	14.2							

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
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Rif. TFM: 011014-50-RC-E-2056

CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		X-	A1 / 15	0.34	0.34	1814	14.2							
		Y+	A1 / 29	0.34	0.34	1814	13.8							
		Y-	A1 / 31	0.34	0.34	1814	13.8							
27	101		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 8	0.34	0.34	1814	14.2							
		X-	A1 / 15	0.34	0.34	1814	14.2							
		Y+	A1 / 29	0.34	0.34	1814	13.8							
		Y-	A1 / 31	0.34	0.34	1814	13.8							
28	102		A1 / 1	0.34	0.34	1814	15.8							
			A1 / 2	0.34	0.34	1814	15.8							
		X+	A1 / 8	0.34	0.34	1814	14.2							
		X-	A1 / 15	0.34	0.34	1814	14.2							
		Y+	A1 / 29	0.34	0.34	1814	13.8							
		Y-	A1 / 31	0.34	0.34	1814	13.8							
29	131		A1 / 1	0.51	0.51	1814	35.1							
			A1 / 2	0.51	0.51	1814	35.1							
		X+	A1 / 8	0.51	0.51	1814	31.5							
		X-	A1 / 15	0.51	0.51	1814	31.5							
		Y+	A1 / 29	0.51	0.51	1814	30.8							
		Y-	A1 / 31	0.51	0.51	1814	30.8							
30	132		A1 / 1	0.38	0.38	1814	19.4							
			A1 / 2	0.38	0.38	1814	19.4							
		X+	A1 / 8	0.38	0.38	1814	17.4							
		X-	A1 / 15	0.38	0.38	1814	17.4							
		Y+	A1 / 29	0.38	0.38	1814	17.0							
		Y-	A1 / 31	0.38	0.38	1814	17.0							
31	133		A1 / 1	0.54	0.54	1814	38.7							
			A1 / 2	0.54	0.54	1814	38.7							
		X+	A1 / 8	0.54	0.54	1814	34.7							
		X-	A1 / 15	0.54	0.54	1814	34.7							
		Y+	A1 / 29	0.54	0.54	1814	33.9							
		Y-	A1 / 31	0.54	0.54	1814	33.9							
32	134		A1 / 1	0.54	0.54	1814	38.7							
			A1 / 2	0.54	0.54	1814	38.7							
		X+	A1 / 8	0.54	0.54	1814	34.7							
		X-	A1 / 15	0.54	0.54	1814	34.7							
		Y+	A1 / 29	0.54	0.54	1814	33.9							
		Y-	A1 / 31	0.54	0.54	1814	33.9							
33	135		A1 / 1	0.54	0.54	1814	38.7							
			A1 / 2	0.54	0.54	1814	38.7							
		X+	A1 / 7	0.54	0.54	1814	34.7							
		X-	A1 / 15	0.54	0.54	1814	34.7							
		Y+	A1 / 21	0.54	0.54	1814	33.9							
		Y-	A1 / 23	0.54	0.54	1814	33.9							
34	136		A1 / 1	0.54	0.54	1814	38.7							
			A1 / 2	0.54	0.54	1814	38.7							
		X+	A1 / 9	0.54	0.54	1814	34.7							
		X-	A1 / 18	0.54	0.54	1814	34.7							
		Y+	A1 / 19	0.54	0.54	1814	33.9							
		Y-	A1 / 25	0.54	0.54	1814	33.9							
35	137		A1 / 1	0.54	0.54	1814	38.7							
			A1 / 2	0.54	0.54	1814	38.7							
		X+	A1 / 9	0.54	0.54	1814	34.7							
		X-	A1 / 18	0.54	0.54	1814	34.7							
		Y+	A1 / 19	0.54	0.54	1814	33.9							
		Y-	A1 / 25	0.54	0.54	1814	33.9							
36	138		A1 / 1	0.51	0.51	1814	35.1							
			A1 / 2	0.51	0.51	1814	35.1							
		X+	A1 / 9	0.51	0.51	1814	31.5							
		X-	A1 / 18	0.51	0.51	1814	31.5							
		Y+	A1 / 19	0.51	0.51	1814	30.8							
		Y-	A1 / 25	0.51	0.51	1814	30.8							
37	139		A1 / 1	0.51	0.51	1814	35.1							

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 38 di 89	Rev. 0

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CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		A1 / 2	0.51	0.51	1814	35.1								
		X+ A1 / 3	0.51	0.51	1814	31.5								
		X- A1 / 11	0.51	0.51	1814	31.5								
		Y+ A1 / 27	0.51	0.51	1814	30.8								
		Y- A1 / 31	0.51	0.51	1814	30.8								
38	140	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 11	0.54	0.54	1814	34.7								
		Y+ A1 / 27	0.54	0.54	1814	33.9								
		Y- A1 / 31	0.54	0.54	1814	33.9								
39	141	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 12	0.54	0.54	1814	34.7								
		Y+ A1 / 28	0.54	0.54	1814	33.9								
		Y- A1 / 34	0.54	0.54	1814	33.9								
40	142	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 11	0.54	0.54	1814	34.7								
		Y+ A1 / 19	0.54	0.54	1814	33.9								
		Y- A1 / 23	0.54	0.54	1814	33.9								
41	143	A1 / 1	0.51	0.51	1814	35.1								
		A1 / 2	0.51	0.51	1814	35.1								
		X+ A1 / 3	0.51	0.51	1814	31.5								
		X- A1 / 12	0.51	0.51	1814	31.5								
		Y+ A1 / 28	0.51	0.51	1814	30.8								
		Y- A1 / 34	0.51	0.51	1814	30.8								
42	144	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 12	0.54	0.54	1814	34.7								
		Y+ A1 / 28	0.54	0.54	1814	33.9								
		Y- A1 / 34	0.54	0.54	1814	33.9								
43	145	A1 / 1	0.38	0.38	1814	19.4								
		A1 / 2	0.38	0.38	1814	19.4								
		X+ A1 / 3	0.38	0.38	1814	17.4								
		X- A1 / 12	0.38	0.38	1814	17.4								
		Y+ A1 / 28	0.38	0.38	1814	17.0								
		Y- A1 / 34	0.38	0.38	1814	17.0								
44	146	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 11	0.54	0.54	1814	34.7								
		Y+ A1 / 19	0.54	0.54	1814	33.9								
		Y- A1 / 25	0.54	0.54	1814	33.9								
45	147	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 3	0.54	0.54	1814	34.7								
		X- A1 / 11	0.54	0.54	1814	34.7								
		Y+ A1 / 19	0.54	0.54	1814	33.9								
		Y- A1 / 23	0.54	0.54	1814	33.9								
46	148	A1 / 1	0.54	0.54	1814	38.7								
		A1 / 2	0.54	0.54	1814	38.7								
		X+ A1 / 6	0.54	0.54	1814	34.7								
		X- A1 / 13	0.54	0.54	1814	34.7								
		Y+ A1 / 22	0.54	0.54	1814	33.9								
		Y- A1 / 24	0.54	0.54	1814	33.9								
47	149	A1 / 1	0.51	0.51	1814	35.1								
		A1 / 2	0.51	0.51	1814	35.1								
		X+ A1 / 3	0.51	0.51	1814	31.5								
		X- A1 / 11	0.51	0.51	1814	31.5								
		Y+ A1 / 19	0.51	0.51	1814	30.8								
		Y- A1 / 23	0.51	0.51	1814	30.8								

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
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CARICO LIMITE PIASTRE WINKLER															
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI						
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica	
48	150	A1 / 1	0.54	0.54	1814	38.7									
		A1 / 2	0.54	0.54	1814	38.7									
		X+ A1 / 6	0.54	0.54	1814	34.7									
		X- A1 / 13	0.54	0.54	1814	34.7									
		Y+ A1 / 22	0.54	0.54	1814	33.9									
		Y- A1 / 24	0.54	0.54	1814	33.9									
49	151	A1 / 1	0.51	0.51	1814	35.1									
		A1 / 2	0.51	0.51	1814	35.1									
		X+ A1 / 6	0.51	0.51	1814	31.5									
		X- A1 / 13	0.51	0.51	1814	31.5									
		Y+ A1 / 22	0.51	0.51	1814	30.8									
		Y- A1 / 24	0.51	0.51	1814	30.8									
50	152	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
51	153	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
52	154	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
53	155	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 3	0.34	0.34	1814	14.2									
		X- A1 / 11	0.34	0.34	1814	14.2									
		Y+ A1 / 27	0.34	0.34	1814	13.8									
		Y- A1 / 31	0.34	0.34	1814	13.8									
54	156	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 3	0.48	0.48	1814	28.3									
		X- A1 / 11	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 23	0.48	0.48	1814	27.6									
55	157	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 3	0.48	0.48	1814	28.3									
		X- A1 / 11	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 23	0.48	0.48	1814	27.6									
56	158	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 3	0.48	0.48	1814	28.3									
		X- A1 / 11	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 23	0.48	0.48	1814	27.6									
57	159	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 6	0.48	0.48	1814	28.3									
		X- A1 / 13	0.48	0.48	1814	28.3									
		Y+ A1 / 22	0.48	0.48	1814	27.6									
		Y- A1 / 24	0.48	0.48	1814	27.6									
58	160	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 6	0.48	0.48	1814	28.3									
		X- A1 / 13	0.48	0.48	1814	28.3									

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CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		Y+ A1 / 22	0.48	0.48	1814	27.6								
		Y- A1 / 24	0.48	0.48	1814	27.6								
59	161	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 6	0.48	0.48	1814	28.3								
		X- A1 / 13	0.48	0.48	1814	28.3								
		Y+ A1 / 22	0.48	0.48	1814	27.6								
		Y- A1 / 24	0.48	0.48	1814	27.6								
60	162	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 6	0.34	0.34	1814	14.2								
		X- A1 / 13	0.34	0.34	1814	14.2								
		Y+ A1 / 29	0.34	0.34	1814	13.8								
		Y- A1 / 31	0.34	0.34	1814	13.8								
61	163	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 6	0.48	0.48	1814	28.3								
		X- A1 / 13	0.48	0.48	1814	28.3								
		Y+ A1 / 22	0.48	0.48	1814	27.6								
		Y- A1 / 24	0.48	0.48	1814	27.6								
62	164	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 6	0.48	0.48	1814	28.3								
		X- A1 / 13	0.48	0.48	1814	28.3								
		Y+ A1 / 22	0.48	0.48	1814	27.6								
		Y- A1 / 24	0.48	0.48	1814	27.6								
63	165	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 6	0.48	0.48	1814	28.3								
		X- A1 / 13	0.48	0.48	1814	28.3								
		Y+ A1 / 22	0.48	0.48	1814	27.6								
		Y- A1 / 24	0.48	0.48	1814	27.6								
64	166	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 6	0.34	0.34	1814	14.2								
		X- A1 / 13	0.34	0.34	1814	14.2								
		Y+ A1 / 22	0.34	0.34	1814	13.8								
		Y- A1 / 24	0.34	0.34	1814	13.8								
65	167	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 6	0.34	0.34	1814	14.2								
		X- A1 / 13	0.34	0.34	1814	14.2								
		Y+ A1 / 22	0.34	0.34	1814	13.8								
		Y- A1 / 24	0.34	0.34	1814	13.8								
66	168	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 6	0.34	0.34	1814	14.2								
		X- A1 / 13	0.34	0.34	1814	14.2								
		Y+ A1 / 22	0.34	0.34	1814	13.8								
		Y- A1 / 24	0.34	0.34	1814	13.8								
67	169	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 3	0.34	0.34	1814	14.2								
		X- A1 / 11	0.34	0.34	1814	14.2								
		Y+ A1 / 19	0.34	0.34	1814	13.8								
		Y- A1 / 23	0.34	0.34	1814	13.8								
68	170	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 8	0.48	0.48	1814	28.3								
		X- A1 / 15	0.48	0.48	1814	28.3								
		Y+ A1 / 29	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
69	171	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								

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CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 11	0.48	0.48	1814	28.3								
		Y+ A1 / 27	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
70	172	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 12	0.48	0.48	1814	28.3								
		Y+ A1 / 28	0.48	0.48	1814	27.6								
		Y- A1 / 34	0.48	0.48	1814	27.6								
71	173	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 8	0.48	0.48	1814	28.3								
		X- A1 / 15	0.48	0.48	1814	28.3								
		Y+ A1 / 29	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
72	174	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 11	0.48	0.48	1814	28.3								
		Y+ A1 / 27	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
73	175	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 12	0.48	0.48	1814	28.3								
		Y+ A1 / 28	0.48	0.48	1814	27.6								
		Y- A1 / 34	0.48	0.48	1814	27.6								
74	176	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 8	0.48	0.48	1814	28.3								
		X- A1 / 15	0.48	0.48	1814	28.3								
		Y+ A1 / 29	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
75	177	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 11	0.48	0.48	1814	28.3								
		Y+ A1 / 27	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								
76	178	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 12	0.48	0.48	1814	28.3								
		Y+ A1 / 28	0.48	0.48	1814	27.6								
		Y- A1 / 34	0.48	0.48	1814	27.6								
77	179	A1 / 1	0.34	0.34	1814	15.8								
		A1 / 2	0.34	0.34	1814	15.8								
		X+ A1 / 3	0.34	0.34	1814	14.2								
		X- A1 / 12	0.34	0.34	1814	14.2								
		Y+ A1 / 19	0.34	0.34	1814	13.8								
		Y- A1 / 25	0.34	0.34	1814	13.8								
78	180	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 12	0.48	0.48	1814	28.3								
		Y+ A1 / 28	0.48	0.48	1814	27.6								
		Y- A1 / 34	0.48	0.48	1814	27.6								
79	181	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 3	0.48	0.48	1814	28.3								
		X- A1 / 12	0.48	0.48	1814	28.3								
		Y+ A1 / 28	0.48	0.48	1814	27.6								
		Y- A1 / 34	0.48	0.48	1814	27.6								

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	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 42 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CARICO LIMITE PIASTRE WINKLER															
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI						
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica	
80	182	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 3	0.48	0.48	1814	28.3									
		X- A1 / 12	0.48	0.48	1814	28.3									
		Y+ A1 / 28	0.48	0.48	1814	27.6									
		Y- A1 / 34	0.48	0.48	1814	27.6									
81	183	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 9	0.34	0.34	1814	14.2									
		X- A1 / 18	0.34	0.34	1814	14.2									
		Y+ A1 / 19	0.34	0.34	1814	13.8									
		Y- A1 / 25	0.34	0.34	1814	13.8									
82	184	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 9	0.34	0.34	1814	14.2									
		X- A1 / 18	0.34	0.34	1814	14.2									
		Y+ A1 / 19	0.34	0.34	1814	13.8									
		Y- A1 / 25	0.34	0.34	1814	13.8									
83	185	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 9	0.34	0.34	1814	14.2									
		X- A1 / 18	0.34	0.34	1814	14.2									
		Y+ A1 / 19	0.34	0.34	1814	13.8									
		Y- A1 / 25	0.34	0.34	1814	13.8									
84	186	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 9	0.34	0.34	1814	14.2									
		X- A1 / 18	0.34	0.34	1814	14.2									
		Y+ A1 / 28	0.34	0.34	1814	13.8									
		Y- A1 / 34	0.34	0.34	1814	13.8									
85	187	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
86	188	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
87	189	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 9	0.48	0.48	1814	28.3									
		X- A1 / 18	0.48	0.48	1814	28.3									
		Y+ A1 / 19	0.48	0.48	1814	27.6									
		Y- A1 / 25	0.48	0.48	1814	27.6									
88	190	A1 / 1	0.34	0.34	1814	15.8									
		A1 / 2	0.34	0.34	1814	15.8									
		X+ A1 / 8	0.34	0.34	1814	14.2									
		X- A1 / 15	0.34	0.34	1814	14.2									
		Y+ A1 / 22	0.34	0.34	1814	13.8									
		Y- A1 / 24	0.34	0.34	1814	13.8									
89	191	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 8	0.48	0.48	1814	28.3									
		X- A1 / 15	0.48	0.48	1814	28.3									
		Y+ A1 / 29	0.48	0.48	1814	27.6									
		Y- A1 / 31	0.48	0.48	1814	27.6									
90	192	A1 / 1	0.48	0.48	1814	31.5									
		A1 / 2	0.48	0.48	1814	31.5									
		X+ A1 / 8	0.48	0.48	1814	28.3									
		X- A1 / 15	0.48	0.48	1814	28.3									
		Y+ A1 / 29	0.48	0.48	1814	27.6									
		Y- A1 / 29	0.48	0.48	1814	27.6									

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 43 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CARICO LIMITE PIASTRE WINKLER														
IDENTIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Piastr N.ro	Nodo3d N.ro	Comb N.ro	Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
		Y- A1 / 31	0.48	0.48	1814	27.6								
91	193	A1 / 1	0.48	0.48	1814	31.5								
		A1 / 2	0.48	0.48	1814	31.5								
		X+ A1 / 8	0.48	0.48	1814	28.3								
		X- A1 / 15	0.48	0.48	1814	28.3								
		Y+ A1 / 29	0.48	0.48	1814	27.6								
		Y- A1 / 31	0.48	0.48	1814	27.6								

PORTANZA GLOBALE PIASTRE - MOLTIPLICATORI DI COLLASSO											
Comb N.ro	DRENATE				NON DRENATE				RISULTATI		
	Risult (t)	Resist (t)	Moltip. Collasso	%Pl. Moll	Risult (t)	Resist (t)	Moltip. Collasso	%Pl. Moll	Moltip. Minimo	STATUS (m)	
A1 / 1	125	132	1.050	0					1.050	OK	
A1 / 2	127	133	1.050	0						OK	
A1 / 3	93	98	1.050	0						OK	
A1 / 4	93	98	1.050	0						OK	
A1 / 5	93	98	1.050	0						OK	
A1 / 6	93	98	1.050	0						OK	
A1 / 7	93	98	1.050	0						OK	
A1 / 8	93	98	1.050	0						OK	
A1 / 9	93	98	1.050	0						OK	
A1 / 10	93	98	1.050	0						OK	
A1 / 11	93	98	1.050	0						OK	
A1 / 12	93	98	1.050	0						OK	
A1 / 13	93	98	1.050	0						OK	
A1 / 14	93	98	1.050	0						OK	
A1 / 15	93	98	1.050	0						OK	
A1 / 16	93	98	1.050	0						OK	
A1 / 17	93	98	1.050	0						OK	
A1 / 18	93	98	1.050	0						OK	
A1 / 19	93	98	1.050	0						OK	
A1 / 20	93	98	1.050	0						OK	
A1 / 21	93	98	1.050	0						OK	
A1 / 22	93	98	1.050	0						OK	
A1 / 23	93	98	1.050	0						OK	
A1 / 24	93	98	1.050	0						OK	
A1 / 25	93	98	1.050	0						OK	
A1 / 26	93	98	1.050	0						OK	
A1 / 27	93	98	1.050	0						OK	
A1 / 28	93	98	1.050	0						OK	
A1 / 29	93	98	1.050	0						OK	
A1 / 30	93	98	1.050	0						OK	
A1 / 31	93	98	1.050	0						OK	
A1 / 32	93	98	1.050	0						OK	
A1 / 33	93	98	1.050	0						OK	
A1 / 34	93	98	1.050	0						OK	

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI		
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 44 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 45 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		

	PROGETTISTA 				COMMESSA NR/13167		COD. TECNICO 16153	
	LOCALITA' REGIONE PUGLIA				RE-GFN-114			
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar				Fg. 46 di 89		Rev. 0	

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 47 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 48 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.							
193	-0.049	ELAST.																	

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.							
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.							
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.							
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.							
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.							
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.							
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.							
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.							
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.							
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.							
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.							
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.							
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.							
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.							
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.							
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.							
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.							
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.							
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.							
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.							
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.							
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.							
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.							
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.							
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.							
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.							
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.							
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.							
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.							
193	-0.049	ELAST.																	

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.							
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.							
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.							
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.							
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.							
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.							
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.							
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.							
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.							
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.							
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.							
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.							
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.							
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.							
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.							
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.							
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.							
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.							
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.							
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.							
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.							
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.							
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.							
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.							
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.							
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.							
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.							
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.							
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.							
193	-0.049	ELAST.																	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 49 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 50 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
DRENATE		NON DRENATE			DRENATE		NON DRENATE			DRENATE		NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
DRENATE		NON DRENATE			DRENATE		NON DRENATE			DRENATE		NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
DRENATE		NON DRENATE			DRENATE		NON DRENATE			DRENATE		NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 51 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 52 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 53 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 54 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.		
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.		
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.		
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.		
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.		
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.		
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.		
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.		
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.		
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.		
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.		
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.		
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.		
193	-0.049	ELAST.												

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1														
Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE		Nodo3d N.ro	DRENATE		NON DRENATE	
	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI		SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.		
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.		
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.		
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.		
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.		
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.		
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.		
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.		
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.		
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.		
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.		
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.		
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.		
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.		
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.		
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.		
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.		

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 55 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 56 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 57 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 58 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.							
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.							
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.							
193	-0.049	ELAST.																	

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.							
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.							
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.							
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.							
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.							
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.							
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.							
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.							
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.							
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.							
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.							
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.							
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.							
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.							
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.							
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.							
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.							
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.							
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.							
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.							
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.							
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.							
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.							
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.							
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.							
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.							
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.							
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.							
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.							
193	-0.049	ELAST.																	

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1																			
DRENATE					NON DRENATE					DRENATE					NON DRENATE				
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI					
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.							
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.							
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.							
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.							
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.							
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.							
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.							
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.							
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.							
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.							
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.							
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.							
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.							
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.							
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.							
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.							
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.							
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.							
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.							
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.							
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.							
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.							
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.							
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.							
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.							
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.							
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.							
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.							
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.							

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 59 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

PORTANZA GLOBALE PIASTRE - ABBASSAMENTI COMBINAZ.:A1 / 1															
		DRENATE			NON DRENATE					DRENATE			NON DRENATE		
Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	Nodo3d N.ro	SpostZ (cm)	SpostZ/ SpostEI	SpostZ (cm)	SpostZ/ SpostEI	
1	-0.049	ELAST.			2	-0.049	ELAST.			3	-0.049	ELAST.			
4	-0.046	ELAST.			5	-0.050	ELAST.			6	-0.049	ELAST.			
7	-0.046	ELAST.			10	-0.049	ELAST.			11	-0.050	ELAST.			
12	-0.049	ELAST.			13	-0.049	ELAST.			14	-0.046	ELAST.			
15	-0.049	ELAST.			16	-0.050	ELAST.			19	-0.046	ELAST.			
20	-0.046	ELAST.			21	-0.046	ELAST.			22	-0.046	ELAST.			
23	-0.046	ELAST.			27	-0.050	ELAST.			35	-0.049	ELAST.			
52	-0.048	ELAST.			53	-0.048	ELAST.			54	-0.047	ELAST.			
83	-0.049	ELAST.			100	-0.048	ELAST.			101	-0.048	ELAST.			
102	-0.047	ELAST.			131	-0.049	ELAST.			132	-0.049	ELAST.			
133	-0.050	ELAST.			134	-0.050	ELAST.			135	-0.050	ELAST.			
136	-0.050	ELAST.			137	-0.050	ELAST.			138	-0.049	ELAST.			
139	-0.049	ELAST.			140	-0.050	ELAST.			141	-0.050	ELAST.			
142	-0.050	ELAST.			143	-0.049	ELAST.			144	-0.050	ELAST.			
145	-0.049	ELAST.			146	-0.050	ELAST.			147	-0.050	ELAST.			
148	-0.050	ELAST.			149	-0.049	ELAST.			150	-0.050	ELAST.			
151	-0.049	ELAST.			152	-0.047	ELAST.			153	-0.048	ELAST.			
154	-0.049	ELAST.			155	-0.046	ELAST.			156	-0.047	ELAST.			
157	-0.048	ELAST.			158	-0.049	ELAST.			159	-0.047	ELAST.			
160	-0.048	ELAST.			161	-0.049	ELAST.			162	-0.046	ELAST.			
163	-0.047	ELAST.			164	-0.048	ELAST.			165	-0.049	ELAST.			
166	-0.047	ELAST.			167	-0.048	ELAST.			168	-0.048	ELAST.			
169	-0.046	ELAST.			170	-0.047	ELAST.			171	-0.047	ELAST.			
172	-0.047	ELAST.			173	-0.048	ELAST.			174	-0.048	ELAST.			
175	-0.048	ELAST.			176	-0.049	ELAST.			177	-0.049	ELAST.			
178	-0.049	ELAST.			179	-0.046	ELAST.			180	-0.047	ELAST.			
181	-0.048	ELAST.			182	-0.049	ELAST.			183	-0.047	ELAST.			
184	-0.048	ELAST.			185	-0.048	ELAST.			186	-0.046	ELAST.			
187	-0.047	ELAST.			188	-0.048	ELAST.			189	-0.049	ELAST.			
190	-0.046	ELAST.			191	-0.047	ELAST.			192	-0.048	ELAST.			
193	-0.049	ELAST.													

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 60 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CEDIMENTI ELASTICI ED EDMETRICI															
Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm
1	Rare 1	0.27		2	Rare 1	0.27		3	Rare 1	0.27		4	Rare 1	0.27	
	Rare 2	0.27			Rare 2	0.27			Rare 2	0.27			Rare 2	0.27	
	Freq 1	0.27			Freq 1	0.27			Freq 1	0.27			Freq 1	0.27	
	Freq 2	0.27			Freq 2	0.27			Freq 2	0.27			Freq 2	0.27	
	Perm 1	0.27			Perm 1	0.27			Perm 1	0.27			Perm 1	0.27	
	MAX.	0.27			MAX.	0.27			MAX.	0.27			MAX.	0.27	
5	Rare 1	0.68		6	Rare 1	0.43		7	Rare 1	0.43		8	Rare 1	0.43	
	Rare 2	0.68			Rare 2	0.44			Rare 2	0.43			Rare 2	0.43	
	Freq 1	0.68			Freq 1	0.43			Freq 1	0.43			Freq 1	0.43	
	Freq 2	0.68			Freq 2	0.43			Freq 2	0.43			Freq 2	0.43	
	Perm 1	0.68			Perm 1	0.43			Perm 1	0.43			Perm 1	0.43	
	MAX.	0.68			MAX.	0.44			MAX.	0.43			MAX.	0.43	
9	Rare 1	0.65		10	Rare 1	0.65		11	Rare 1	0.43		12	Rare 1	0.68	
	Rare 2	0.65			Rare 2	0.65			Rare 2	0.43			Rare 2	0.68	
	Freq 1	0.65			Freq 1	0.65			Freq 1	0.43			Freq 1	0.68	
	Freq 2	0.65			Freq 2	0.65			Freq 2	0.43			Freq 2	0.68	
	Perm 1	0.65			Perm 1	0.65			Perm 1	0.43			Perm 1	0.68	
	MAX.	0.65			MAX.	0.65			MAX.	0.43			MAX.	0.68	
13	Rare 1	0.43		14	Rare 1	0.65		15	Rare 1	0.65		16	Rare 1	0.43	
	Rare 2	0.43			Rare 2	0.65			Rare 2	0.65			Rare 2	0.44	
	Freq 1	0.43			Freq 1	0.65			Freq 1	0.65			Freq 1	0.43	
	Freq 2	0.43			Freq 2	0.65			Freq 2	0.65			Freq 2	0.43	
	Perm 1	0.43			Perm 1	0.65			Perm 1	0.65			Perm 1	0.43	
	MAX.	0.43			MAX.	0.65			MAX.	0.65			MAX.	0.44	
17	Rare 1	0.38		18	Rare 1	0.38		19	Rare 1	0.38		20	Rare 1	0.38	
	Rare 2	0.38			Rare 2	0.38			Rare 2	0.38			Rare 2	0.38	
	Freq 1	0.38			Freq 1	0.38			Freq 1	0.38			Freq 1	0.38	
	Freq 2	0.38			Freq 2	0.38			Freq 2	0.38			Freq 2	0.38	
	Perm 1	0.38			Perm 1	0.38			Perm 1	0.38			Perm 1	0.38	
	MAX.	0.38			MAX.	0.38			MAX.	0.38			MAX.	0.38	
21	Rare 1	0.57		22	Rare 1	0.43		23	Rare 1	0.59		24	Rare 1	0.67	
	Rare 2	0.58			Rare 2	0.44			Rare 2	0.60			Rare 2	0.68	
	Freq 1	0.57			Freq 1	0.43			Freq 1	0.59			Freq 1	0.67	
	Freq 2	0.57			Freq 2	0.43			Freq 2	0.60			Freq 2	0.67	
	Perm 1	0.57			Perm 1	0.43			Perm 1	0.59			Perm 1	0.67	
	MAX.	0.58			MAX.	0.44			MAX.	0.60			MAX.	0.68	
25	Rare 1	0.60		26	Rare 1	0.59		27	Rare 1	0.67		28	Rare 1	0.57	
	Rare 2	0.60			Rare 2	0.60			Rare 2	0.68			Rare 2	0.58	
	Freq 1	0.60			Freq 1	0.59			Freq 1	0.67			Freq 1	0.57	
	Freq 2	0.60			Freq 2	0.60			Freq 2	0.67			Freq 2	0.57	
	Perm 1	0.60			Perm 1	0.59			Perm 1	0.67			Perm 1	0.57	
	MAX.	0.60			MAX.	0.60			MAX.	0.68			MAX.	0.58	
29	Rare 1	0.67		30	Rare 1	0.69		31	Rare 1	0.67		32	Rare 1	0.70	
	Rare 2	0.67			Rare 2	0.70			Rare 2	0.68			Rare 2	0.70	
	Freq 1	0.67			Freq 1	0.69			Freq 1	0.67			Freq 1	0.70	
	Freq 2	0.67			Freq 2	0.70			Freq 2	0.67			Freq 2	0.70	
	Perm 1	0.67			Perm 1	0.69			Perm 1	0.67			Perm 1	0.70	
	MAX.	0.67			MAX.	0.70			MAX.	0.68			MAX.	0.70	
33	Rare 1	0.57		34	Rare 1	0.59		35	Rare 1	0.43		36	Rare 1	0.60	
	Rare 2	0.58			Rare 2	0.60			Rare 2	0.44			Rare 2	0.60	
	Freq 1	0.57			Freq 1	0.59			Freq 1	0.43			Freq 1	0.60	
	Freq 2	0.57			Freq 2	0.60			Freq 2	0.43			Freq 2	0.60	
	Perm 1	0.57			Perm 1	0.59			Perm 1	0.43			Perm 1	0.60	
	MAX.	0.58			MAX.	0.60			MAX.	0.44			MAX.	0.60	
37	Rare 1	0.69		38	Rare 1	0.67		39	Rare 1	0.67		40	Rare 1	0.59	
	Rare 2	0.70			Rare 2	0.68			Rare 2	0.67			Rare 2	0.60	
	Freq 1	0.69			Freq 1	0.67			Freq 1	0.67			Freq 1	0.59	
	Freq 2	0.70			Freq 2	0.67			Freq 2	0.67			Freq 2	0.60	
	Perm 1	0.69			Perm 1	0.67			Perm 1	0.67			Perm 1	0.59	
	MAX.	0.70			MAX.	0.68			MAX.	0.67			MAX.	0.60	
41	Rare 1	0.57		42	Rare 1	0.53		43	Rare 1	0.60		44	Rare 1	0.63	
	Rare 2	0.58			Rare 2	0.53			Rare 2	0.60			Rare 2	0.64	
	Freq 1	0.57			Freq 1	0.53			Freq 1	0.60			Freq 1	0.63	
	Freq 2	0.57			Freq 2	0.53			Freq 2	0.60			Freq 2	0.63	
	Perm 1	0.57			Perm 1	0.53			Perm 1	0.60			Perm 1	0.63	
	MAX.	0.58			MAX.	0.53			MAX.	0.60			MAX.	0.64	
45	Rare 1	0.40		46	Rare 1	0.54		47	Rare 1	0.61		48	Rare 1	0.65	
	Rare 2	0.40			Rare 2	0.55			Rare 2	0.62			Rare 2	0.66	
	Freq 1	0.40			Freq 1	0.54			Freq 1	0.61			Freq 1	0.65	
	Freq 2	0.40			Freq 2	0.54			Freq 2	0.62			Freq 2	0.65	
	Perm 1	0.40			Perm 1	0.54			Perm 1	0.61			Perm 1	0.65	
	MAX.	0.40			MAX.	0.55			MAX.	0.62			MAX.	0.66	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 61 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

CEDIMENTI ELASTICI ED EDMETRICI															
Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm	Filo N.ro	Combinaz N.ro	Ced.El. cm	Ced.Ed. cm
49	Rare 1	0.53		50	Rare 1	0.60		51	Rare 1	0.63		52	Rare 1	0.36	
	Rare 2	0.53			Rare 2	0.60			Rare 2	0.64			Rare 2	0.36	
	Freq 1	0.53			Freq 1	0.60			Freq 1	0.63			Freq 1	0.36	
	Freq 2	0.53			Freq 2	0.60			Freq 2	0.63			Freq 2	0.36	
	Perm 1	0.53			Perm 1	0.60			Perm 1	0.63			Perm 1	0.36	
	MAX.	0.53			MAX.	0.60			MAX.	0.64			MAX.	0.36	
53	Rare 1	0.48		54	Rare 1	0.53		55	Rare 1	0.56		56	Rare 1	0.37	
	Rare 2	0.48			Rare 2	0.54			Rare 2	0.57			Rare 2	0.37	
	Freq 1	0.48			Freq 1	0.53			Freq 1	0.56			Freq 1	0.37	
	Freq 2	0.48			Freq 2	0.53			Freq 2	0.56			Freq 2	0.37	
	Perm 1	0.48			Perm 1	0.53			Perm 1	0.56			Perm 1	0.37	
	MAX.	0.48			MAX.	0.54			MAX.	0.57			MAX.	0.37	
57	Rare 1	0.40		58	Rare 1	0.42		59	Rare 1	0.40		60	Rare 1	0.53	
	Rare 2	0.41			Rare 2	0.42			Rare 2	0.40			Rare 2	0.53	
	Freq 1	0.40			Freq 1	0.42			Freq 1	0.40			Freq 1	0.53	
	Freq 2	0.40			Freq 2	0.42			Freq 2	0.40			Freq 2	0.53	
	Perm 1	0.40			Perm 1	0.42			Perm 1	0.40			Perm 1	0.53	
	MAX.	0.41			MAX.	0.42			MAX.	0.40			MAX.	0.53	
61	Rare 1	0.54		62	Rare 1	0.53		63	Rare 1	0.60		64	Rare 1	0.61	
	Rare 2	0.55			Rare 2	0.53			Rare 2	0.60			Rare 2	0.62	
	Freq 1	0.54			Freq 1	0.53			Freq 1	0.60			Freq 1	0.61	
	Freq 2	0.54			Freq 2	0.53			Freq 2	0.60			Freq 2	0.62	
	Perm 1	0.54			Perm 1	0.53			Perm 1	0.60			Perm 1	0.61	
	MAX.	0.55			MAX.	0.53			MAX.	0.60			MAX.	0.62	
65	Rare 1	0.60		66	Rare 1	0.63		67	Rare 1	0.65		68	Rare 1	0.63	
	Rare 2	0.60			Rare 2	0.64			Rare 2	0.66			Rare 2	0.64	
	Freq 1	0.60			Freq 1	0.63			Freq 1	0.65			Freq 1	0.63	
	Freq 2	0.60			Freq 2	0.63			Freq 2	0.65			Freq 2	0.63	
	Perm 1	0.60			Perm 1	0.63			Perm 1	0.65			Perm 1	0.63	
	MAX.	0.60			MAX.	0.64			MAX.	0.66			MAX.	0.64	
69	Rare 1	0.36		70	Rare 1	0.48		71	Rare 1	0.53		72	Rare 1	0.56	
	Rare 2	0.36			Rare 2	0.48			Rare 2	0.54			Rare 2	0.57	
	Freq 1	0.36			Freq 1	0.48			Freq 1	0.53			Freq 1	0.56	
	Freq 2	0.36			Freq 2	0.48			Freq 2	0.53			Freq 2	0.56	
	Perm 1	0.36			Perm 1	0.48			Perm 1	0.53			Perm 1	0.56	
	MAX.	0.36			MAX.	0.48			MAX.	0.54			MAX.	0.57	
73	Rare 1	0.37		74	Rare 1	0.40		75	Rare 1	0.42		76	Rare 1	0.36	
	Rare 2	0.37			Rare 2	0.41			Rare 2	0.42			Rare 2	0.36	
	Freq 1	0.37			Freq 1	0.40			Freq 1	0.42			Freq 1	0.36	
	Freq 2	0.37			Freq 2	0.40			Freq 2	0.42			Freq 2	0.36	
	Perm 1	0.37			Perm 1	0.40			Perm 1	0.42			Perm 1	0.36	
	MAX.	0.37			MAX.	0.41			MAX.	0.42			MAX.	0.36	
77	Rare 1	0.48		78	Rare 1	0.53		79	Rare 1	0.56		80	Rare 1	0.36	
	Rare 2	0.48			Rare 2	0.54			Rare 2	0.57			Rare 2	0.36	
	Freq 1	0.48			Freq 1	0.53			Freq 1	0.56			Freq 1	0.36	
	Freq 2	0.48			Freq 2	0.53			Freq 2	0.56			Freq 2	0.36	
	Perm 1	0.48			Perm 1	0.53			Perm 1	0.56			Perm 1	0.36	
	MAX.	0.48			MAX.	0.54			MAX.	0.57			MAX.	0.36	
81	Rare 1	0.48		82	Rare 1	0.53		83	Rare 1	0.56					
	Rare 2	0.48			Rare 2	0.54			Rare 2	0.57					
	Freq 1	0.48			Freq 1	0.53			Freq 1	0.56					
	Freq 2	0.48			Freq 2	0.53			Freq 2	0.56					
	Perm 1	0.48			Perm 1	0.53			Perm 1	0.56					
	MAX.	0.48			MAX.	0.54			MAX.	0.57					

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1	0.5	0.49	2	0.5	0.49	3	0.5	0.49	4	0.5	0.49	5	0.9	0.78	6	0.7	0.52
	0.6	0.48		0.6	0.48		0.6	0.48		0.6	0.48		1.0	0.54		0.8	0.32
	0.7	0.19		0.7	0.19		0.7	0.19		0.7	0.19		1.1	0.51		0.9	0.28
	0.8	0.14		0.8	0.14		0.8	0.14		0.8	0.14		1.2	0.49		1.0	0.26
	0.9	0.13		0.9	0.13		0.9	0.13		0.9	0.13		1.3	0.47		1.1	0.26
	1.0	0.12		1.0	0.12		1.0	0.12		1.0	0.12		1.4	0.46		1.2	0.25
	1.1	0.12		1.1	0.12		1.1	0.12		1.1	0.12		1.5	0.44		1.3	0.25
	1.2	0.12		1.2	0.12		1.2	0.12		1.2	0.12		1.6	0.43		1.4	0.25
	1.3	0.12		1.3	0.12		1.3	0.12		1.3	0.12		1.7	0.42		1.5	0.25
	1.4	0.12		1.4	0.12		1.4	0.12		1.4	0.12		1.8	0.40		1.6	0.25
	1.5	0.12		1.5	0.12		1.5	0.12		1.5	0.12		1.9	0.39		1.7	0.25
	1.6	0.12		1.6	0.12		1.6	0.12		1.6	0.12		2.0	0.38		1.8	0.24
	1.7	0.12		1.7	0.12		1.7	0.12		1.7	0.12		2.1	0.36		1.9	0.24

	PROGETTISTA 			COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA			RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar			Fg. 62 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.8	0.12		1.8	0.12		1.8	0.12		1.8	0.12		2.2	0.35		2.0	0.24	
1.9	0.12		1.9	0.12		1.9	0.12		1.9	0.12		2.3	0.30		2.1	0.24	
2.0	0.12		2.0	0.12		2.0	0.12		2.0	0.12		2.4	0.28		2.2	0.23	
2.1	0.12		2.1	0.12		2.1	0.12		2.1	0.12		2.5	0.26		2.3	0.21	
2.2	0.12		2.2	0.12		2.2	0.12		2.2	0.12		2.6	0.23		2.4	0.19	
2.3	0.11		2.3	0.11		2.3	0.11		2.3	0.11		2.7	0.23		2.5	0.18	
2.4	0.10		2.4	0.10		2.4	0.10		2.4	0.10		2.8	0.21		2.6	0.17	
2.5	0.10		2.5	0.10		2.5	0.10		2.5	0.10		2.9	0.18		2.7	0.17	
2.6	0.09		2.6	0.09		2.6	0.09		2.6	0.09		3.0	0.15		2.8	0.16	
2.7	0.09		2.7	0.09		2.7	0.09		2.7	0.09		3.1	0.14		2.9	0.13	
2.8	0.08		2.8	0.08		2.8	0.08		2.8	0.08		3.2	0.13		3.0	0.11	
2.9	0.08		2.9	0.08		2.9	0.08		2.9	0.08		3.3	0.12		3.1	0.11	
3.0	0.07		3.0	0.07		3.0	0.07		3.0	0.07		3.4	0.08		3.2	0.10	
3.1	0.06		3.1	0.06		3.1	0.06		3.1	0.06		3.5	0.05		3.3	0.09	
3.2	0.05		3.2	0.05		3.2	0.05		3.2	0.05		3.6	0.02		3.4	0.07	
3.3	0.05		3.3	0.05		3.3	0.05		3.3	0.05		3.7	0.02		3.5	0.05	
3.4	0.04		3.4	0.04		3.4	0.04		3.4	0.04		3.8	0.02		3.6	0.04	
7	0.7	0.53	8	0.7	0.53	9	0.8	0.73	10	0.8	0.73	11	0.7	0.53	12	0.9	0.78
0.8	0.30		0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.30		1.0	0.54	
0.9	0.27		0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.27		1.1	0.51	
1.0	0.26		1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		1.2	0.49	
1.1	0.25		1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.25		1.3	0.47	
1.2	0.25		1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.4	0.46	
1.3	0.25		1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.5	0.44	
1.4	0.25		1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.6	0.43	
1.5	0.25		1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.7	0.42	
1.6	0.24		1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.24		1.8	0.40	
1.7	0.24		1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.24		1.9	0.39	
1.8	0.24		1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		2.0	0.38	
1.9	0.23		1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.23		2.1	0.36	
2.0	0.23		2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.23		2.2	0.35	
2.1	0.23		2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.23		2.3	0.30	
2.2	0.22		2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.22		2.4	0.28	
2.3	0.20		2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.20		2.5	0.26	
2.4	0.18		2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.18		2.6	0.23	
2.5	0.17		2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.17		2.7	0.23	
2.6	0.16		2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.16		2.8	0.21	
2.7	0.15		2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.15		2.9	0.18	
2.8	0.14		2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.14		3.0	0.15	
2.9	0.13		2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		3.1	0.14	
3.0	0.11		3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		3.2	0.13	
3.1	0.09		3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.09		3.3	0.12	
3.2	0.09		3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.09		3.4	0.08	
3.3	0.08		3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.08		3.5	0.05	
3.4	0.06		3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.06		3.6	0.02	
3.5	0.04		3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.04		3.7	0.02	
3.6	0.03		3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.8	0.02	
13	0.7	0.53	14	0.8	0.73	15	0.8	0.73	16	0.7	0.52	17	0.6	0.53	18	0.6	0.53
0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.32		0.7	0.38		0.7	0.38	
0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.28		0.8	0.28		0.8	0.28	
1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		0.9	0.25		0.9	0.25	
1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.26		1.0	0.24		1.0	0.24	
1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.1	0.23		1.1	0.23	
1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.2	0.23		1.2	0.23	
1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.3	0.22		1.3	0.22	
1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.4	0.21		1.4	0.21	
1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.25		1.5	0.21		1.5	0.21	
1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.25		1.6	0.20		1.6	0.20	
1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		1.7	0.20		1.7	0.20	
1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.24		1.8	0.19		1.8	0.19	
2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.24		1.9	0.19		1.9	0.19	
2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.24		2.0	0.18		2.0	0.18	
2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.23		2.1	0.18		2.1	0.18	
2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.21		2.2	0.17		2.2	0.17	
2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.19		2.3	0.16		2.3	0.16	
2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.18		2.4	0.15		2.4	0.15	
2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.17		2.5	0.14		2.5	0.14	
2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.17		2.6	0.13		2.6	0.13	
2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.16		2.7	0.12		2.7	0.12	
2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		2.8	0.11		2.8	0.11	
3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		2.9	0.11		2.9	0.11	
3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.11		3.0	0.09		3.0	0.09	
3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.10		3.1	0.07		3.1	0.07	
3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.09		3.2	0.06		3.2	0.06	
3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.07		3.3	0.06		3.3	0.06	
3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.05		3.4	0.04		3.4	0.04	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 63 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
	3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.04		3.5	0.04		3.5	0.04
19	0.6	0.53	20	0.6	0.53	21	0.8	0.66	22	0.7	0.52	23	0.9	0.69	24	0.9	0.77
	0.7	0.38		0.7	0.38		0.9	0.49		0.8	0.32		1.0	0.46		1.0	0.53
	0.8	0.28		0.8	0.28		1.0	0.45		0.9	0.28		1.1	0.43		1.1	0.51
	0.9	0.25		0.9	0.25		1.1	0.42		1.0	0.26		1.2	0.41		1.2	0.49
	1.0	0.24		1.0	0.24		1.2	0.40		1.1	0.26		1.3	0.39		1.3	0.47
	1.1	0.23		1.1	0.23		1.3	0.39		1.2	0.25		1.4	0.38		1.4	0.46
	1.2	0.23		1.2	0.23		1.4	0.38		1.3	0.25		1.5	0.37		1.5	0.44
	1.3	0.22		1.3	0.22		1.5	0.36		1.4	0.25		1.6	0.36		1.6	0.43
	1.4	0.22		1.4	0.22		1.6	0.35		1.5	0.25		1.7	0.35		1.7	0.41
	1.5	0.21		1.5	0.21		1.7	0.34		1.6	0.25		1.8	0.34		1.8	0.40
	1.6	0.20		1.6	0.20		1.8	0.33		1.7	0.24		1.9	0.33		1.9	0.39
	1.7	0.20		1.7	0.20		1.9	0.32		1.8	0.24		2.0	0.32		2.0	0.37
	1.8	0.19		1.8	0.19		2.0	0.31		1.9	0.24		2.1	0.31		2.1	0.36
	1.9	0.19		1.9	0.19		2.1	0.30		2.0	0.24		2.2	0.30		2.2	0.35
	2.0	0.18		2.0	0.18		2.2	0.29		2.1	0.23		2.3	0.27		2.3	0.31
	2.1	0.18		2.1	0.18		2.3	0.26		2.2	0.23		2.4	0.25		2.4	0.28
	2.2	0.17		2.2	0.17		2.4	0.24		2.3	0.21		2.5	0.23		2.5	0.26
	2.3	0.16		2.3	0.16		2.5	0.22		2.4	0.19		2.6	0.22		2.6	0.25
	2.4	0.15		2.4	0.15		2.6	0.20		2.5	0.18		2.7	0.19		2.7	0.22
	2.5	0.14		2.5	0.14		2.7	0.19		2.6	0.17		2.8	0.18		2.8	0.20
	2.6	0.13		2.6	0.13		2.8	0.18		2.7	0.16		2.9	0.15		2.9	0.17
	2.7	0.12		2.7	0.12		2.9	0.16		2.8	0.15		3.0	0.13		3.0	0.14
	2.8	0.11		2.8	0.11		3.0	0.13		2.9	0.13		3.1	0.13		3.1	0.14
	2.9	0.11		2.9	0.11		3.1	0.11		3.0	0.11		3.2	0.11		3.2	0.12
	3.0	0.09		3.0	0.09		3.2	0.10		3.1	0.11		3.3	0.10		3.3	0.10
	3.1	0.07		3.1	0.07		3.3	0.09		3.2	0.10		3.4	0.07		3.4	0.07
	3.2	0.06		3.2	0.06		3.4	0.06		3.3	0.08		3.5	0.05		3.5	0.05
	3.3	0.06		3.3	0.06		3.5	0.05		3.4	0.07		3.6	0.03		3.6	0.02
	3.4	0.04		3.4	0.04		3.6	0.03		3.5	0.05		3.7	0.03		3.7	0.02
	3.5	0.04		3.5	0.04		3.7	0.03		3.6	0.04		3.8	0.02		3.8	0.02
25	0.9	0.70	26	0.9	0.69	27	0.9	0.77	28	0.8	0.66	29	0.8	0.74	30	0.9	0.79
	1.0	0.46		1.0	0.46		1.0	0.53		0.9	0.49		0.9	0.57		1.0	0.55
	1.1	0.43		1.1	0.43		1.1	0.51		1.0	0.45		1.0	0.54		1.1	0.52
	1.2	0.41		1.2	0.41		1.2	0.49		1.1	0.42		1.1	0.52		1.2	0.51
	1.3	0.40		1.3	0.39		1.3	0.47		1.2	0.40		1.2	0.50		1.3	0.49
	1.4	0.38		1.4	0.38		1.4	0.46		1.3	0.39		1.3	0.49		1.4	0.48
	1.5	0.37		1.5	0.37		1.5	0.44		1.4	0.38		1.4	0.47		1.5	0.46
	1.6	0.36		1.6	0.36		1.6	0.43		1.5	0.36		1.5	0.46		1.6	0.45
	1.7	0.35		1.7	0.35		1.7	0.41		1.6	0.35		1.6	0.44		1.7	0.43
	1.8	0.34		1.8	0.34		1.8	0.40		1.7	0.34		1.7	0.43		1.8	0.42
	1.9	0.33		1.9	0.33		1.9	0.39		1.8	0.33		1.8	0.41		1.9	0.41
	2.0	0.32		2.0	0.32		2.0	0.37		1.9	0.32		1.9	0.40		2.0	0.39
	2.1	0.31		2.1	0.31		2.1	0.36		2.0	0.31		2.0	0.38		2.1	0.38
	2.2	0.30		2.2	0.30		2.2	0.35		2.1	0.30		2.1	0.37		2.2	0.36
	2.3	0.27		2.3	0.27		2.3	0.31		2.2	0.29		2.2	0.35		2.3	0.33
	2.4	0.25		2.4	0.25		2.4	0.28		2.3	0.26		2.3	0.31		2.4	0.30
	2.5	0.23		2.5	0.23		2.5	0.26		2.4	0.24		2.4	0.29		2.5	0.27
	2.6	0.21		2.6	0.22		2.6	0.25		2.5	0.22		2.5	0.26		2.6	0.26
	2.7	0.20		2.7	0.19		2.7	0.22		2.6	0.20		2.6	0.23		2.7	0.22
	2.8	0.19		2.8	0.18		2.8	0.20		2.7	0.19		2.7	0.22		2.8	0.21
	2.9	0.16		2.9	0.15		2.9	0.17		2.8	0.18		2.8	0.20		2.9	0.19
	3.0	0.14		3.0	0.13		3.0	0.14		2.9	0.16		2.9	0.19		3.0	0.14
	3.1	0.13		3.1	0.13		3.1	0.14		3.0	0.13		3.0	0.15		3.1	0.14
	3.2	0.12		3.2	0.11		3.2	0.12		3.1	0.11		3.1	0.12		3.2	0.13
	3.3	0.11		3.3	0.10		3.3	0.10		3.2	0.10		3.2	0.11		3.3	0.10
	3.4	0.07		3.4	0.07		3.4	0.07		3.3	0.09		3.3	0.09		3.4	0.07
	3.5	0.05		3.5	0.05		3.5	0.05		3.4	0.06		3.4	0.06		3.5	0.05
	3.6	0.03		3.6	0.03		3.6	0.02		3.5	0.05		3.5	0.04		3.6	0.02
	3.7	0.03		3.7	0.03		3.7	0.02		3.6	0.03		3.6	0.02		3.7	0.02
	3.8	0.03		3.8	0.02		3.8	0.02		3.7	0.03		3.7	0.02		3.8	0.02
31	0.9	0.77	32	0.9	0.80	33	0.8	0.66	34	0.9	0.69	35	0.7	0.52	36	0.9	0.70
	1.0	0.53		1.0	0.55		0.9	0.49		1.0	0.46		0.8	0.32		1.0	0.46
	1.1	0.51		1.1	0.53		1.0	0.45		1.1	0.43		0.9	0.28		1.1	0.43
	1.2	0.49		1.2	0.51		1.1	0.42		1.2	0.41		1.0	0.26		1.2	0.41
	1.3	0.47		1.3	0.50		1.2	0.40		1.3	0.39		1.1	0.26		1.3	0.40
	1.4	0.46		1.4	0.48		1.3	0.39		1.4	0.38		1.2	0.25		1.4	0.38
	1.5	0.44		1.5	0.47		1.4	0.38		1.5	0.37		1.3	0.25		1.5	0.37
	1.6	0.43		1.6	0.45		1.5	0.36		1.6	0.36		1.4	0.25		1.6	0.36
	1.7	0.41		1.7	0.44		1.6	0.35		1.7	0.35		1.5	0.25		1.7	0.35
	1.8	0.40		1.8	0.42		1.7	0.34		1.8	0.34		1.6	0.25		1.8	0.34
	1.9	0.39		1.9	0.41		1.8	0.33		1.9	0.33		1.7	0.24		1.9	0.33
	2.0	0.37		2.0	0.39		1.9	0.32		2.0	0.32		1.8	0.24		2.0	0.32
	2.1	0.36		2.1	0.38		2.0	0.31		2.1	0.31		1.9	0.24		2.1	0.31
	2.2	0.35		2.2	0.37		2.1	0.30		2.2	0.30		2.0	0.24		2.2	0.30

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 64 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
2.3	0.31	0.32	2.3	0.32	0.29	2.2	0.29	0.27	2.3	0.27	0.23	2.1	0.23	0.23	2.3	0.27	
2.4	0.28	0.30	2.4	0.30	0.26	2.3	0.26	0.25	2.4	0.25	0.23	2.2	0.23	0.23	2.4	0.25	
2.5	0.26	0.27	2.5	0.27	0.24	2.4	0.24	0.23	2.5	0.23	0.21	2.3	0.21	0.23	2.5	0.23	
2.6	0.25	0.24	2.6	0.24	0.22	2.5	0.22	0.22	2.6	0.22	0.19	2.4	0.19	0.21	2.6	0.21	
2.7	0.22	0.23	2.7	0.23	0.20	2.6	0.20	0.19	2.7	0.19	0.18	2.5	0.18	0.20	2.7	0.20	
2.8	0.20	0.22	2.8	0.22	0.19	2.7	0.19	0.18	2.8	0.18	0.17	2.6	0.17	0.19	2.8	0.19	
2.9	0.17	0.19	2.9	0.19	0.18	2.8	0.18	0.15	2.9	0.15	0.16	2.7	0.16	0.16	2.9	0.16	
3.0	0.14	0.16	3.0	0.16	0.16	2.9	0.16	0.13	3.0	0.13	0.15	2.8	0.15	0.14	3.0	0.14	
3.1	0.14	0.14	3.1	0.14	0.13	3.0	0.13	0.13	3.1	0.13	0.13	2.9	0.13	0.13	3.1	0.13	
3.2	0.12	0.13	3.2	0.13	0.11	3.1	0.11	0.11	3.2	0.11	0.11	3.0	0.11	0.12	3.2	0.12	
3.3	0.10	0.12	3.3	0.12	0.10	3.2	0.10	0.10	3.3	0.10	0.11	3.1	0.11	0.11	3.3	0.11	
3.4	0.07	0.07	3.4	0.07	0.09	3.3	0.09	0.07	3.4	0.07	0.10	3.2	0.10	0.07	3.4	0.07	
3.5	0.05	0.05	3.5	0.05	0.06	3.4	0.06	0.05	3.5	0.05	0.08	3.3	0.08	0.05	3.5	0.05	
3.6	0.02	0.02	3.6	0.02	0.05	3.5	0.05	0.03	3.6	0.03	0.07	3.4	0.07	0.03	3.6	0.03	
3.7	0.02	0.02	3.7	0.02	0.03	3.6	0.03	0.03	3.7	0.03	0.05	3.5	0.05	0.03	3.7	0.03	
3.8	0.02	0.02	3.8	0.02	0.03	3.7	0.03	0.02	3.8	0.02	0.04	3.6	0.04	0.03	3.8	0.03	
<hr/>																	
37	0.9	0.79	38	0.9	0.77	39	0.8	0.74	40	0.9	0.69	41	0.8	0.66	42	0.8	0.65
1.0	0.55	0.53	1.0	0.53	0.57	1.0	0.57	0.46	1.0	0.46	0.49	0.9	0.49	0.46	0.9	0.46	
1.1	0.52	0.51	1.1	0.51	0.54	1.1	0.54	0.43	1.1	0.43	0.45	1.0	0.45	0.42	1.0	0.42	
1.2	0.51	0.49	1.2	0.49	0.52	1.2	0.52	0.41	1.2	0.41	0.42	1.1	0.42	0.40	1.1	0.40	
1.3	0.49	0.47	1.3	0.47	0.50	1.3	0.50	0.39	1.3	0.39	0.40	1.2	0.40	0.37	1.2	0.37	
1.4	0.48	0.46	1.4	0.46	0.49	1.4	0.49	0.38	1.4	0.38	0.39	1.3	0.39	0.36	1.3	0.36	
1.5	0.46	0.44	1.5	0.44	0.47	1.5	0.47	0.37	1.5	0.37	0.38	1.4	0.38	0.34	1.4	0.34	
1.6	0.45	0.43	1.6	0.43	0.46	1.6	0.46	0.36	1.6	0.36	0.36	1.5	0.36	0.32	1.5	0.32	
1.7	0.43	0.41	1.7	0.41	0.44	1.7	0.44	0.35	1.7	0.35	0.35	1.6	0.35	0.31	1.6	0.31	
1.8	0.42	0.40	1.8	0.40	0.43	1.8	0.43	0.34	1.8	0.34	0.34	1.7	0.34	0.29	1.7	0.29	
1.9	0.41	0.39	1.9	0.39	0.41	1.9	0.41	0.33	1.9	0.33	0.33	1.8	0.33	0.28	1.8	0.28	
2.0	0.39	0.37	2.0	0.37	0.40	2.0	0.40	0.32	2.0	0.32	0.32	1.9	0.32	0.27	1.9	0.27	
2.1	0.38	0.36	2.1	0.36	0.38	2.1	0.38	0.31	2.1	0.31	0.31	2.0	0.31	0.26	2.0	0.26	
2.2	0.36	0.35	2.2	0.35	0.37	2.2	0.37	0.30	2.2	0.30	0.30	2.1	0.30	0.25	2.1	0.25	
2.3	0.33	0.31	2.3	0.31	0.35	2.3	0.35	0.27	2.3	0.27	0.27	2.2	0.27	0.24	2.2	0.24	
2.4	0.30	0.28	2.4	0.28	0.31	2.4	0.31	0.25	2.4	0.25	0.26	2.3	0.26	0.21	2.3	0.21	
2.5	0.27	0.26	2.5	0.26	0.29	2.5	0.29	0.23	2.5	0.23	0.24	2.4	0.24	0.20	2.4	0.20	
2.6	0.26	0.25	2.6	0.25	0.26	2.6	0.26	0.22	2.6	0.22	0.22	2.5	0.22	0.19	2.5	0.19	
2.7	0.22	0.22	2.7	0.22	0.23	2.7	0.23	0.19	2.7	0.19	0.20	2.6	0.20	0.17	2.6	0.17	
2.8	0.21	0.20	2.8	0.20	0.22	2.8	0.22	0.18	2.8	0.18	0.19	2.7	0.19	0.16	2.7	0.16	
2.9	0.19	0.17	2.9	0.17	0.20	2.9	0.20	0.15	2.9	0.15	0.18	2.8	0.18	0.15	2.8	0.15	
3.0	0.14	0.14	3.0	0.14	0.19	3.0	0.19	0.13	3.0	0.13	0.16	2.9	0.16	0.14	2.9	0.14	
3.1	0.14	0.14	3.1	0.14	0.15	3.1	0.15	0.13	3.1	0.13	0.13	3.0	0.13	0.12	3.0	0.12	
3.2	0.13	0.12	3.2	0.12	0.12	3.2	0.12	0.11	3.2	0.11	0.11	3.1	0.11	0.10	3.1	0.10	
3.3	0.10	0.10	3.3	0.10	0.11	3.3	0.11	0.10	3.3	0.10	0.10	3.2	0.10	0.09	3.2	0.09	
3.4	0.07	0.07	3.4	0.07	0.09	3.4	0.09	0.07	3.4	0.07	0.09	3.3	0.09	0.07	3.3	0.07	
3.5	0.05	0.05	3.5	0.05	0.06	3.5	0.06	0.05	3.5	0.05	0.06	3.4	0.06	0.06	3.4	0.06	
3.6	0.02	0.02	3.6	0.02	0.04	3.6	0.04	0.03	3.6	0.03	0.05	3.5	0.05	0.04	3.5	0.04	
3.7	0.02	0.02	3.7	0.02	0.02	3.7	0.02	0.03	3.7	0.03	0.03	3.6	0.03	0.03	3.6	0.03	
3.8	0.02	0.02	3.8	0.02	0.02	3.8	0.02	0.02	3.8	0.02	0.03	3.7	0.03	0.03	3.7	0.03	
<hr/>																	
43	0.8	0.70	44	0.8	0.72	45	0.7	0.54	46	0.8	0.66	47	0.8	0.70	48	0.8	0.73
0.9	0.51	0.54	0.9	0.54	0.29	0.9	0.29	0.47	0.9	0.47	0.52	0.9	0.52	0.55	0.9	0.55	
1.0	0.48	0.51	1.0	0.51	0.26	1.0	0.26	0.43	1.0	0.43	0.49	1.0	0.49	0.52	1.0	0.52	
1.1	0.46	0.49	1.1	0.49	0.25	1.1	0.25	0.41	1.1	0.41	0.47	1.1	0.47	0.50	1.1	0.50	
1.2	0.44	0.47	1.2	0.47	0.24	1.2	0.24	0.39	1.2	0.39	0.46	1.2	0.46	0.49	1.2	0.49	
1.3	0.42	0.46	1.3	0.46	0.23	1.3	0.23	0.37	1.3	0.37	0.44	1.3	0.44	0.47	1.3	0.47	
1.4	0.41	0.44	1.4	0.44	0.23	1.4	0.23	0.35	1.4	0.35	0.43	1.4	0.43	0.46	1.4	0.46	
1.5	0.39	0.42	1.5	0.42	0.22	1.5	0.22	0.34	1.5	0.34	0.41	1.5	0.41	0.44	1.5	0.44	
1.6	0.37	0.41	1.6	0.41	0.22	1.6	0.22	0.32	1.6	0.32	0.39	1.6	0.39	0.43	1.6	0.43	
1.7	0.36	0.39	1.7	0.39	0.21	1.7	0.21	0.31	1.7	0.31	0.38	1.7	0.38	0.41	1.7	0.41	
1.8	0.34	0.38	1.8	0.38	0.21	1.8	0.21	0.30	1.8	0.30	0.36	1.8	0.36	0.39	1.8	0.39	
1.9	0.33	0.36	1.9	0.36	0.20	1.9	0.20	0.28	1.9	0.28	0.34	1.9	0.34	0.38	1.9	0.38	
2.0	0.31	0.35	2.0	0.35	0.20	2.0	0.20	0.27	2.0	0.27	0.33	2.0	0.33	0.36	2.0	0.36	
2.1	0.30	0.33	2.1	0.33	0.19	2.1	0.19	0.26	2.1	0.26	0.32	2.1	0.32	0.35	2.1	0.35	
2.2	0.29	0.32	2.2	0.32	0.19	2.2	0.19	0.25	2.2	0.25	0.30	2.2	0.30	0.34	2.2	0.34	
2.3	0.26	0.29	2.3	0.29	0.18	2.3	0.18	0.22	2.3	0.22	0.27	2.3	0.27	0.31	2.3	0.31	
2.4	0.24	0.26	2.4	0.26	0.16	2.4	0.16	0.21	2.4	0.21	0.24	2.4	0.24	0.27	2.4	0.27	
2.5	0.23	0.25	2.5	0.25	0.15	2.5	0.15	0.19	2.5	0.19	0.23	2.5	0.23	0.26	2.5	0.26	
2.6	0.22	0.24	2.6	0.24	0.14	2.6	0.14	0.18	2.6	0.18	0.22	2.6	0.22	0.24	2.6	0.24	
2.7	0.19	0.21	2.7	0.21	0.13	2.7	0.13	0.16	2.7	0.16	0.19	2.7	0.19	0.21	2.7	0.21	
2.8	0.18	0.19	2.8	0.19	0.12	2.8	0.12	0.15	2.8	0.15	0.18	2.8	0.18	0.19	2.8	0.19	
2.9	0.16	0.16	2.9	0.16	0.11	2.9	0.11	0.14	2.9	0.14	0.17	2.9	0.17	0.17	2.9	0.17	
3.0	0.14	0.14	3.0	0.14	0.11	3.0	0.11	0.13	3.0	0.13	0.15	3.0	0.15	0.15	3.0	0.15	
3.1	0.11	0.11	3.1	0.11	0.09	3.1	0.09	0.10	3.1	0.10	0.11	3.1	0.11	0.11	3.1	0.11	
3.2	0.10	0.10	3.2	0.10	0.07	3.2	0.07	0.10	3.2	0.10	0.10	3.2	0.10	0.10	3.2	0.10	
3.3	0.09	0.09	3.3	0.09	0.06	3.3	0.06	0.07	3.3	0.07	0.09	3.3	0.09	0.09	3.3	0.09	
3.4	0.06	0.06	3.4	0.06	0.06	3.4	0.06	0.05	3.4	0.05	0.06	3.4	0.06	0.06	3.4	0.06	
3.5	0.04	0.05	3.5	0.05	0.04	3.5	0.04	0.04	3.5	0.04	0.04	3.5	0.04	0.05	3.5	0.05	
3.6	0.02	0.02	3.6	0.02	0.04	3.6	0.04	0.02	3.6	0.02	0.02	3.6	0.02	0.02	3.6	0.02	
3.7	0.02	0.02	3.7	0.02	0.03	3.7	0.03	0.03	3.7	0.03	0.02	3.7	0.02	0.02	3.7	0.02	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 65 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE: Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
49	0.8	0.65	50	0.8	0.70	51	0.8	0.72	52	0.7	0.52	53	0.8	0.61	54	0.8	0.65
	0.9	0.46		0.9	0.51		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46
	1.0	0.42		1.0	0.48		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42
	1.1	0.40		1.1	0.46		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39
	1.2	0.37		1.2	0.44		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.37
	1.3	0.36		1.3	0.42		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36
	1.4	0.34		1.4	0.41		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34
	1.5	0.32		1.5	0.39		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33
	1.6	0.31		1.6	0.37		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31
	1.7	0.29		1.7	0.36		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30
	1.8	0.28		1.8	0.34		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29
	1.9	0.27		1.9	0.33		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28
	2.0	0.26		2.0	0.31		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27
	2.1	0.25		2.1	0.30		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26
	2.2	0.24		2.2	0.29		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25
	2.3	0.21		2.3	0.26		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22
	2.4	0.20		2.4	0.24		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21
	2.5	0.19		2.5	0.23		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20
	2.6	0.17		2.6	0.22		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19
	2.7	0.16		2.7	0.19		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17
	2.8	0.15		2.8	0.18		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16
	2.9	0.14		2.9	0.16		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14
	3.0	0.12		3.0	0.14		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12
	3.1	0.10		3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10
	3.2	0.09		3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09
	3.3	0.07		3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08
	3.4	0.06		3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06
	3.5	0.04		3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04
	3.6	0.03		3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02
	3.7	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02
55	0.8	0.67	56	0.7	0.52	57	0.7	0.53	58	0.7	0.53	59	0.7	0.54	60	0.8	0.65
	0.9	0.47		0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.29		0.9	0.46
	1.0	0.44		0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.26		1.0	0.42
	1.1	0.42		1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.25		1.1	0.40
	1.2	0.40		1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.24		1.2	0.37
	1.3	0.38		1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.23		1.3	0.36
	1.4	0.37		1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.23		1.4	0.34
	1.5	0.35		1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.22		1.5	0.32
	1.6	0.34		1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.22		1.6	0.31
	1.7	0.33		1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.21		1.7	0.29
	1.8	0.32		1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.21		1.8	0.28
	1.9	0.31		1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.20		1.9	0.27
	2.0	0.30		1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.20		2.0	0.26
	2.1	0.28		2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.19		2.1	0.25
	2.2	0.28		2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.19		2.2	0.24
	2.3	0.25		2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.18		2.3	0.21
	2.4	0.23		2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.16		2.4	0.20
	2.5	0.22		2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.15		2.5	0.19
	2.6	0.21		2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.14		2.6	0.17
	2.7	0.19		2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.13		2.7	0.16
	2.8	0.17		2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.12		2.8	0.15
	2.9	0.14		2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.11		2.9	0.14
	3.0	0.13		2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.11		3.0	0.12
	3.1	0.10		3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.09		3.1	0.10
	3.2	0.09		3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.07		3.2	0.09
	3.3	0.09		3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07
	3.4	0.06		3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.06
	3.5	0.05		3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04
	3.6	0.03		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03
	3.7	0.02		3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03
61	0.8	0.66	62	0.8	0.65	63	0.8	0.70	64	0.8	0.70	65	0.8	0.70	66	0.8	0.72
	0.9	0.47		0.9	0.46		0.9	0.51		0.9	0.52		0.9	0.51		0.9	0.54
	1.0	0.43		1.0	0.42		1.0	0.48		1.0	0.49		1.0	0.48		1.0	0.51
	1.1	0.41		1.1	0.40		1.1	0.46		1.1	0.47		1.1	0.46		1.1	0.49
	1.2	0.39		1.2	0.37		1.2	0.44		1.2	0.46		1.2	0.44		1.2	0.47
	1.3	0.37		1.3	0.36		1.3	0.42		1.3	0.44		1.3	0.42		1.3	0.46
	1.4	0.35		1.4	0.34		1.4	0.41		1.4	0.43		1.4	0.41		1.4	0.44
	1.5	0.34		1.5	0.32		1.5	0.39		1.5	0.41		1.5	0.39		1.5	0.42
	1.6	0.32		1.6	0.31		1.6	0.37		1.6	0.39		1.6	0.37		1.6	0.41
	1.7	0.31		1.7	0.29		1.7	0.36		1.7	0.38		1.7	0.36		1.7	0.39
	1.8	0.30		1.8	0.28		1.8	0.34		1.8	0.36		1.8	0.34		1.8	0.38
	1.9	0.28		1.9	0.27		1.9	0.33		1.9	0.34		1.9	0.33		1.9	0.36
	2.0	0.27		2.0	0.26		2.0	0.31		2.0	0.33		2.0	0.31		2.0	0.35
	2.1	0.26		2.1	0.25		2.1	0.30		2.1	0.32		2.1	0.30		2.1	0.33
	2.2	0.25		2.2	0.24		2.2	0.29		2.2	0.30		2.2	0.29		2.2	0.32

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 66 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
2.3	0.22		2.3	0.21		2.3	0.26		2.3	0.27		2.3	0.26		2.3	0.29	
2.4	0.21		2.4	0.20		2.4	0.24		2.4	0.24		2.4	0.24		2.4	0.26	
2.5	0.19		2.5	0.19		2.5	0.23		2.5	0.23		2.5	0.23		2.5	0.25	
2.6	0.18		2.6	0.17		2.6	0.22		2.6	0.22		2.6	0.22		2.6	0.24	
2.7	0.16		2.7	0.16		2.7	0.19		2.7	0.19		2.7	0.19		2.7	0.21	
2.8	0.15		2.8	0.15		2.8	0.18		2.8	0.18		2.8	0.18		2.8	0.19	
2.9	0.14		2.9	0.14		2.9	0.16		2.9	0.17		2.9	0.16		2.9	0.16	
3.0	0.13		3.0	0.12		3.0	0.14		3.0	0.15		3.0	0.14		3.0	0.14	
3.1	0.10		3.1	0.10		3.1	0.11		3.1	0.11		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.09		3.2	0.10		3.2	0.10		3.2	0.10		3.2	0.10	
3.3	0.07		3.3	0.07		3.3	0.09		3.3	0.09		3.3	0.09		3.3	0.09	
3.4	0.05		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.03		3.6	0.02		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.7	0.02		3.7	0.02		3.7	0.02	
67	0.8	0.73	68	0.8	0.72	69	0.7	0.52	70	0.8	0.61	71	0.8	0.65	72	0.8	0.67
0.9	0.55		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.47	
1.0	0.52		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44	
1.1	0.50		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42	
1.2	0.49		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.37		1.2	0.40	
1.3	0.47		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38	
1.4	0.46		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37	
1.5	0.44		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35	
1.6	0.43		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34	
1.7	0.41		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33	
1.8	0.39		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32	
1.9	0.38		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31	
2.0	0.36		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30	
2.1	0.35		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28	
2.2	0.34		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28	
2.3	0.31		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25	
2.4	0.27		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23	
2.5	0.26		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22	
2.6	0.24		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21	
2.7	0.21		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19	
2.8	0.19		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17	
2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14	
3.0	0.15		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13	
3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10	
3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09	
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06	
3.5	0.05		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
73	0.7	0.52	74	0.7	0.53	75	0.7	0.53	76	0.7	0.52	77	0.8	0.61	78	0.8	0.65
0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.26		0.9	0.41		0.9	0.46	
0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.23		1.0	0.37		1.0	0.42	
1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.21		1.1	0.34		1.1	0.39	
1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.20		1.2	0.32		1.2	0.37	
1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.19		1.3	0.30		1.3	0.36	
1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.19		1.4	0.29		1.4	0.34	
1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.18		1.5	0.27		1.5	0.33	
1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.18		1.6	0.26		1.6	0.31	
1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.17		1.7	0.25		1.7	0.30	
1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.17		1.8	0.24		1.8	0.29	
1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.16		1.9	0.23		1.9	0.28	
1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.16		2.0	0.22		2.0	0.27	
2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.16		2.1	0.21		2.1	0.26	
2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.15		2.2	0.20		2.2	0.25	
2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.15		2.3	0.19		2.3	0.22	
2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.14		2.4	0.17		2.4	0.21	
2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.13		2.5	0.16		2.5	0.20	
2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.12		2.6	0.15		2.6	0.19	
2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.11		2.7	0.14		2.7	0.17	
2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.11		2.8	0.13		2.8	0.16	
2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.10		2.9	0.12		2.9	0.14	
2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.09		3.0	0.11		3.0	0.12	
3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.08		3.1	0.09		3.1	0.10	
3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.06		3.2	0.08		3.2	0.09	
3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07		3.3	0.08	
3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.05		3.4	0.06	
3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04		3.5	0.04	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03		3.6	0.02	
3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03		3.7	0.02	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 67 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
79	0.8	0.67	80	0.7	0.52	81	0.8	0.61	82	0.8	0.65	83	0.8	0.67			
	0.9	0.47		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.47			
	1.0	0.44		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44			
	1.1	0.42		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42			
	1.2	0.40		1.1	0.20		1.2	0.32		1.2	0.37		1.2	0.40			
	1.3	0.38		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38			
	1.4	0.37		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37			
	1.5	0.35		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35			
	1.6	0.34		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34			
	1.7	0.33		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33			
	1.8	0.32		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32			
	1.9	0.31		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31			
	2.0	0.30		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30			
	2.1	0.28		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28			
	2.2	0.28		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28			
	2.3	0.25		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25			
	2.4	0.23		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23			
	2.5	0.22		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22			
	2.6	0.21		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21			
	2.7	0.19		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19			
	2.8	0.17		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17			
	2.9	0.14		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14			
	3.0	0.13		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13			
	3.1	0.10		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10			
	3.2	0.09		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09			
	3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09			
	3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06			
	3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05			
	3.6	0.03		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03			
	3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02			

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1	0.5	0.49	2	0.5	0.49	3	0.5	0.49	4	0.5	0.49	5	0.9	0.79	6	0.7	0.53
	0.6	0.49		0.6	0.49		0.6	0.49		0.6	0.49		1.0	0.54		0.8	0.32
	0.7	0.19		0.7	0.19		0.7	0.19		0.7	0.19		1.1	0.52		0.9	0.28
	0.8	0.14		0.8	0.14		0.8	0.14		0.8	0.14		1.2	0.50		1.0	0.27
	0.9	0.13		0.9	0.13		0.9	0.13		0.9	0.13		1.3	0.48		1.1	0.26
	1.0	0.13		1.0	0.13		1.0	0.13		1.0	0.13		1.4	0.46		1.2	0.26
	1.1	0.12		1.1	0.12		1.1	0.12		1.1	0.12		1.5	0.45		1.3	0.26
	1.2	0.12		1.2	0.12		1.2	0.12		1.2	0.12		1.6	0.43		1.4	0.25
	1.3	0.12		1.3	0.12		1.3	0.12		1.3	0.12		1.7	0.42		1.5	0.25
	1.4	0.12		1.4	0.12		1.4	0.12		1.4	0.12		1.8	0.41		1.6	0.25
	1.5	0.12		1.5	0.12		1.5	0.12		1.5	0.12		1.9	0.39		1.7	0.25
	1.6	0.12		1.6	0.12		1.6	0.12		1.6	0.12		2.0	0.38		1.8	0.25
	1.7	0.12		1.7	0.12		1.7	0.12		1.7	0.12		2.1	0.37		1.9	0.24
	1.8	0.12		1.8	0.12		1.8	0.12		1.8	0.12		2.2	0.35		2.0	0.24
	1.9	0.12		1.9	0.12		1.9	0.12		1.9	0.12		2.3	0.31		2.1	0.24
	2.0	0.12		2.0	0.12		2.0	0.12		2.0	0.12		2.4	0.28		2.2	0.23
	2.1	0.12		2.1	0.12		2.1	0.12		2.1	0.12		2.5	0.26		2.3	0.21
	2.2	0.12		2.2	0.12		2.2	0.12		2.2	0.12		2.6	0.24		2.4	0.19
	2.3	0.11		2.3	0.11		2.3	0.11		2.3	0.11		2.7	0.23		2.5	0.18
	2.4	0.10		2.4	0.10		2.4	0.10		2.4	0.10		2.8	0.21		2.6	0.17
	2.5	0.10		2.5	0.10		2.5	0.10		2.5	0.10		2.9	0.18		2.7	0.17
	2.6	0.09		2.6	0.09		2.6	0.09		2.6	0.09		3.0	0.15		2.8	0.16
	2.7	0.09		2.7	0.09		2.7	0.09		2.7	0.09		3.1	0.14		2.9	0.13
	2.8	0.08		2.8	0.08		2.8	0.08		2.8	0.08		3.2	0.13		3.0	0.12
	2.9	0.08		2.9	0.08		2.9	0.08		2.9	0.08		3.3	0.12		3.1	0.11
	3.0	0.07		3.0	0.07		3.0	0.07		3.0	0.07		3.4	0.08		3.2	0.11
	3.1	0.06		3.1	0.06		3.1	0.06		3.1	0.06		3.5	0.05		3.3	0.09
	3.2	0.05		3.2	0.05		3.2	0.05		3.2	0.05		3.6	0.02		3.4	0.07
	3.3	0.05		3.3	0.05		3.3	0.05		3.3	0.05		3.7	0.02		3.5	0.05
	3.4	0.04		3.4	0.04		3.4	0.04		3.4	0.04		3.8	0.02		3.6	0.04
7	0.7	0.53	8	0.7	0.53	9	0.8	0.73	10	0.8	0.73	11	0.7	0.53	12	0.9	0.79
	0.8	0.31		0.8	0.31		0.9	0.57		0.9	0.57		0.8	0.31		1.0	0.54
	0.9	0.27		0.9	0.27		1.0	0.53		1.0	0.53		0.9	0.27		1.1	0.52
	1.0	0.26		1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		1.2	0.50
	1.1	0.26		1.1	0.26		1.2	0.49		1.2	0.49		1.1	0.26		1.3	0.48
	1.2	0.25		1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.4	0.46
	1.3	0.25		1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.5	0.45
	1.4	0.25		1.4	0.25		1.5	0.44		1.5	0.44		1.4	0.25		1.6	0.43
	1.5	0.25		1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.7	0.42
	1.6	0.25		1.6	0.25		1.7	0.41		1.7	0.41		1.6	0.25		1.8	0.41
	1.7	0.24		1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.24		1.9	0.39
	1.8	0.24		1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		2.0	0.38

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 68 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.9	0.24		1.9	0.24		2.0	0.37		2.0	0.37		1.9	0.24		2.1	0.37	
2.0	0.23		2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.23		2.2	0.35	
2.1	0.23		2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.23		2.3	0.31	
2.2	0.22		2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.22		2.4	0.28	
2.3	0.20		2.3	0.20		2.4	0.28		2.4	0.28		2.3	0.20		2.5	0.26	
2.4	0.19		2.4	0.19		2.5	0.25		2.5	0.25		2.4	0.19		2.6	0.24	
2.5	0.17		2.5	0.17		2.6	0.23		2.6	0.23		2.5	0.17		2.7	0.23	
2.6	0.16		2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.16		2.8	0.21	
2.7	0.16		2.7	0.16		2.8	0.20		2.8	0.20		2.7	0.16		2.9	0.18	
2.8	0.15		2.8	0.15		2.9	0.18		2.9	0.18		2.8	0.15		3.0	0.15	
2.9	0.13		2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		3.1	0.14	
3.0	0.11		3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		3.2	0.13	
3.1	0.09		3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.09		3.3	0.12	
3.2	0.09		3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.09		3.4	0.08	
3.3	0.08		3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.08		3.5	0.05	
3.4	0.06		3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.06		3.6	0.02	
3.5	0.05		3.5	0.05		3.6	0.03		3.6	0.03		3.5	0.05		3.7	0.02	
3.6	0.03		3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.8	0.02	
13	0.7	0.53	14	0.8	0.73	15	0.8	0.73	16	0.7	0.53	17	0.6	0.53	18	0.6	0.53
	0.8	0.31		0.9	0.57		0.9	0.57		0.8	0.32		0.7	0.38		0.7	0.38
	0.9	0.27		1.0	0.53		1.0	0.53		0.9	0.28		0.8	0.29		0.8	0.29
	1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.27		0.9	0.26		0.9	0.26
	1.1	0.26		1.2	0.49		1.2	0.49		1.1	0.26		1.0	0.24		1.0	0.24
	1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.26		1.1	0.24		1.1	0.24
	1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.26		1.2	0.23		1.2	0.23
	1.4	0.25		1.5	0.44		1.5	0.44		1.4	0.25		1.3	0.22		1.3	0.22
	1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.4	0.22		1.4	0.22
	1.6	0.25		1.7	0.41		1.7	0.41		1.6	0.25		1.5	0.21		1.5	0.21
	1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.25		1.6	0.21		1.6	0.21
	1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.25		1.7	0.20		1.7	0.20
	1.9	0.24		2.0	0.37		2.0	0.37		1.9	0.24		1.8	0.19		1.8	0.19
	2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.24		1.9	0.19		1.9	0.19
	2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.24		2.0	0.18		2.0	0.18
	2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.23		2.1	0.18		2.1	0.18
	2.3	0.20		2.4	0.28		2.4	0.28		2.3	0.21		2.2	0.17		2.2	0.17
	2.4	0.19		2.5	0.25		2.5	0.25		2.4	0.19		2.3	0.16		2.3	0.16
	2.5	0.17		2.6	0.23		2.6	0.23		2.5	0.18		2.4	0.15		2.4	0.15
	2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.17		2.5	0.14		2.5	0.14
	2.7	0.16		2.8	0.20		2.8	0.20		2.7	0.17		2.6	0.13		2.6	0.13
	2.8	0.15		2.9	0.18		2.9	0.18		2.8	0.16		2.7	0.12		2.7	0.12
	2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		2.8	0.11		2.8	0.11
	3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.12		2.9	0.11		2.9	0.11
	3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.11		3.0	0.09		3.0	0.09
	3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.11		3.1	0.07		3.1	0.07
	3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.09		3.2	0.06		3.2	0.06
	3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.07		3.3	0.06		3.3	0.06
	3.5	0.05		3.6	0.03		3.6	0.03		3.5	0.05		3.4	0.04		3.4	0.04
	3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.04		3.5	0.04		3.5	0.04
19	0.6	0.53	20	0.6	0.53	21	0.8	0.67	22	0.7	0.53	23	0.9	0.70	24	0.9	0.78
	0.7	0.38		0.7	0.38		0.9	0.50		0.8	0.32		1.0	0.46		1.0	0.54
	0.8	0.29		0.8	0.29		1.0	0.45		0.9	0.28		1.1	0.43		1.1	0.51
	0.9	0.26		0.9	0.26		1.1	0.43		1.0	0.26		1.2	0.41		1.2	0.49
	1.0	0.24		1.0	0.24		1.2	0.41		1.1	0.26		1.3	0.40		1.3	0.47
	1.1	0.24		1.1	0.24		1.3	0.39		1.2	0.26		1.4	0.38		1.4	0.46
	1.2	0.23		1.2	0.23		1.4	0.38		1.3	0.25		1.5	0.37		1.5	0.44
	1.3	0.22		1.3	0.22		1.5	0.37		1.4	0.25		1.6	0.36		1.6	0.43
	1.4	0.22		1.4	0.22		1.6	0.35		1.5	0.25		1.7	0.35		1.7	0.42
	1.5	0.21		1.5	0.21		1.7	0.34		1.6	0.25		1.8	0.34		1.8	0.40
	1.6	0.21		1.6	0.21		1.8	0.33		1.7	0.25		1.9	0.33		1.9	0.39
	1.7	0.20		1.7	0.20		1.9	0.32		1.8	0.24		2.0	0.32		2.0	0.38
	1.8	0.19		1.8	0.19		2.0	0.31		1.9	0.24		2.1	0.31		2.1	0.36
	1.9	0.19		1.9	0.19		2.1	0.30		2.0	0.24		2.2	0.30		2.2	0.35
	2.0	0.18		2.0	0.18		2.2	0.29		2.1	0.24		2.3	0.27		2.3	0.32
	2.1	0.18		2.1	0.18		2.3	0.26		2.2	0.23		2.4	0.25		2.4	0.29
	2.2	0.17		2.2	0.17		2.4	0.24		2.3	0.21		2.5	0.24		2.5	0.27
	2.3	0.16		2.3	0.16		2.5	0.22		2.4	0.19		2.6	0.22		2.6	0.25
	2.4	0.15		2.4	0.15		2.6	0.20		2.5	0.18		2.7	0.20		2.7	0.22
	2.5	0.14		2.5	0.14		2.7	0.19		2.6	0.18		2.8	0.18		2.8	0.20
	2.6	0.13		2.6	0.13		2.8	0.18		2.7	0.16		2.9	0.15		2.9	0.18
	2.7	0.12		2.7	0.12		2.9	0.16		2.8	0.15		3.0	0.13		3.0	0.14
	2.8	0.11		2.8	0.11		3.0	0.13		2.9	0.13		3.1	0.13		3.1	0.14
	2.9	0.11		2.9	0.11		3.1	0.11		3.0	0.11		3.2	0.12		3.2	0.13
	3.0	0.09		3.0	0.09		3.2	0.10		3.1	0.11		3.3	0.10		3.3	0.10
	3.1	0.07		3.1	0.07		3.3	0.09		3.2	0.10		3.4	0.07		3.4	0.07
	3.2	0.06		3.2	0.06		3.4	0.06		3.3	0.08		3.5	0.05		3.5	0.05
	3.3	0.06		3.3	0.06		3.5	0.05		3.4	0.07		3.6	0.03		3.6	0.02

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 69 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.4	0.04		3.4	0.04		3.6	0.03		3.5	0.05		3.7	0.03		3.7	0.02	
3.5	0.04		3.5	0.04		3.7	0.03		3.6	0.04		3.8	0.02		3.8	0.02	
25	0.9	0.71	26	0.9	0.70	27	0.9	0.78	28	0.8	0.67	29	0.8	0.74	30	0.9	0.80
1.0	0.46		1.0	0.46		1.0	0.54		0.9	0.50		0.9	0.58		1.0	0.55	
1.1	0.44		1.1	0.43		1.1	0.51		1.0	0.45		1.0	0.54		1.1	0.53	
1.2	0.42		1.2	0.41		1.2	0.49		1.1	0.43		1.1	0.52		1.2	0.51	
1.3	0.40		1.3	0.40		1.3	0.47		1.2	0.41		1.2	0.50		1.3	0.50	
1.4	0.39		1.4	0.38		1.4	0.46		1.3	0.39		1.3	0.49		1.4	0.48	
1.5	0.37		1.5	0.37		1.5	0.44		1.4	0.38		1.4	0.48		1.5	0.47	
1.6	0.36		1.6	0.36		1.6	0.43		1.5	0.37		1.5	0.46		1.6	0.45	
1.7	0.35		1.7	0.35		1.7	0.42		1.6	0.35		1.6	0.45		1.7	0.44	
1.8	0.34		1.8	0.34		1.8	0.40		1.7	0.34		1.7	0.43		1.8	0.42	
1.9	0.33		1.9	0.33		1.9	0.39		1.8	0.33		1.8	0.41		1.9	0.41	
2.0	0.32		2.0	0.32		2.0	0.38		1.9	0.32		1.9	0.40		2.0	0.39	
2.1	0.31		2.1	0.31		2.1	0.36		2.0	0.31		2.0	0.39		2.1	0.38	
2.2	0.30		2.2	0.30		2.2	0.35		2.1	0.30		2.1	0.37		2.2	0.37	
2.3	0.27		2.3	0.27		2.3	0.32		2.2	0.29		2.2	0.36		2.3	0.33	
2.4	0.25		2.4	0.25		2.4	0.29		2.3	0.26		2.3	0.31		2.4	0.30	
2.5	0.23		2.5	0.24		2.5	0.27		2.4	0.24		2.4	0.29		2.5	0.28	
2.6	0.21		2.6	0.22		2.6	0.25		2.5	0.22		2.5	0.26		2.6	0.26	
2.7	0.20		2.7	0.20		2.7	0.22		2.6	0.20		2.6	0.24		2.7	0.23	
2.8	0.19		2.8	0.18		2.8	0.20		2.7	0.19		2.7	0.22		2.8	0.21	
2.9	0.16		2.9	0.15		2.9	0.18		2.8	0.18		2.8	0.21		2.9	0.19	
3.0	0.14		3.0	0.13		3.0	0.14		2.9	0.16		2.9	0.19		3.0	0.15	
3.1	0.13		3.1	0.13		3.1	0.14		3.0	0.13		3.0	0.15		3.1	0.14	
3.2	0.12		3.2	0.12		3.2	0.13		3.1	0.11		3.1	0.12		3.2	0.13	
3.3	0.11		3.3	0.10		3.3	0.10		3.2	0.10		3.2	0.11		3.3	0.10	
3.4	0.08		3.4	0.07		3.4	0.07		3.3	0.09		3.3	0.09		3.4	0.07	
3.5	0.05		3.5	0.05		3.5	0.05		3.4	0.06		3.4	0.06		3.5	0.05	
3.6	0.03		3.6	0.03		3.6	0.02		3.5	0.05		3.5	0.05		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.6	0.03		3.6	0.02		3.7	0.02	
3.8	0.03		3.8	0.02		3.8	0.02		3.7	0.03		3.7	0.02		3.8	0.02	
31	0.9	0.78	32	0.9	0.80	33	0.8	0.67	34	0.9	0.70	35	0.7	0.53	36	0.9	0.71
1.0	0.54		1.0	0.56		0.9	0.50		1.0	0.46		0.8	0.32		1.0	0.46	
1.1	0.51		1.1	0.53		1.0	0.45		1.1	0.43		0.9	0.28		1.1	0.44	
1.2	0.49		1.2	0.52		1.1	0.43		1.2	0.41		1.0	0.26		1.2	0.42	
1.3	0.47		1.3	0.50		1.2	0.41		1.3	0.40		1.1	0.26		1.3	0.40	
1.4	0.46		1.4	0.49		1.3	0.39		1.4	0.38		1.2	0.26		1.4	0.39	
1.5	0.44		1.5	0.47		1.4	0.38		1.5	0.37		1.3	0.25		1.5	0.37	
1.6	0.43		1.6	0.46		1.5	0.37		1.6	0.36		1.4	0.25		1.6	0.36	
1.7	0.42		1.7	0.44		1.6	0.35		1.7	0.35		1.5	0.25		1.7	0.35	
1.8	0.40		1.8	0.43		1.7	0.34		1.8	0.34		1.6	0.25		1.8	0.34	
1.9	0.39		1.9	0.41		1.8	0.33		1.9	0.33		1.7	0.25		1.9	0.33	
2.0	0.38		2.0	0.40		1.9	0.32		2.0	0.32		1.8	0.24		2.0	0.32	
2.1	0.36		2.1	0.38		2.0	0.31		2.1	0.31		1.9	0.24		2.1	0.31	
2.2	0.35		2.2	0.37		2.1	0.30		2.2	0.30		2.0	0.24		2.2	0.30	
2.3	0.32		2.3	0.32		2.2	0.29		2.3	0.27		2.1	0.24		2.3	0.27	
2.4	0.29		2.4	0.30		2.3	0.26		2.4	0.25		2.2	0.23		2.4	0.25	
2.5	0.27		2.5	0.27		2.4	0.24		2.5	0.24		2.3	0.21		2.5	0.23	
2.6	0.25		2.6	0.25		2.5	0.22		2.6	0.22		2.4	0.19		2.6	0.21	
2.7	0.22		2.7	0.24		2.6	0.20		2.7	0.20		2.5	0.18		2.7	0.20	
2.8	0.20		2.8	0.22		2.7	0.19		2.8	0.18		2.6	0.18		2.8	0.19	
2.9	0.18		2.9	0.19		2.8	0.18		2.9	0.15		2.7	0.16		2.9	0.16	
3.0	0.14		3.0	0.16		2.9	0.16		3.0	0.13		2.8	0.15		3.0	0.14	
3.1	0.14		3.1	0.14		3.0	0.13		3.1	0.13		2.9	0.13		3.1	0.13	
3.2	0.13		3.2	0.13		3.1	0.11		3.2	0.12		3.0	0.11		3.2	0.12	
3.3	0.10		3.3	0.12		3.2	0.10		3.3	0.10		3.1	0.11		3.3	0.11	
3.4	0.07		3.4	0.08		3.3	0.09		3.4	0.07		3.2	0.10		3.4	0.08	
3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.3	0.08		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.4	0.07		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.5	0.05		3.7	0.03	
3.8	0.02		3.8	0.02		3.7	0.03		3.8	0.02		3.6	0.04		3.8	0.03	
37	0.9	0.80	38	0.9	0.78	39	0.8	0.74	40	0.9	0.70	41	0.8	0.67	42	0.8	0.66
1.0	0.55		1.0	0.54		0.9	0.58		1.0	0.46		0.9	0.50		0.9	0.47	
1.1	0.53		1.1	0.51		1.0	0.54		1.1	0.43		1.0	0.45		1.0	0.43	
1.2	0.51		1.2	0.49		1.1	0.52		1.2	0.41		1.1	0.43		1.1	0.40	
1.3	0.50		1.3	0.47		1.2	0.50		1.3	0.40		1.2	0.41		1.2	0.38	
1.4	0.48		1.4	0.46		1.3	0.49		1.4	0.38		1.3	0.39		1.3	0.36	
1.5	0.47		1.5	0.44		1.4	0.48		1.5	0.37		1.4	0.38		1.4	0.34	
1.6	0.45		1.6	0.43		1.5	0.46		1.6	0.36		1.5	0.37		1.5	0.33	
1.7	0.44		1.7	0.42		1.6	0.45		1.7	0.35		1.6	0.35		1.6	0.31	
1.8	0.42		1.8	0.40		1.7	0.43		1.8	0.34		1.7	0.34		1.7	0.30	
1.9	0.41		1.9	0.39		1.8	0.42		1.9	0.33		1.8	0.33		1.8	0.28	
2.0	0.39		2.0	0.38		1.9	0.40		2.0	0.32		1.9	0.32		1.9	0.27	
2.1	0.38		2.1	0.36		2.0	0.39		2.1	0.31		2.0	0.31		2.0	0.26	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 70 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
2.2	0.37		2.2	0.35		2.1	0.37		2.2	0.30		2.1	0.30		2.1	0.25	
2.3	0.33		2.3	0.32		2.2	0.36		2.3	0.27		2.2	0.29		2.2	0.24	
2.4	0.30		2.4	0.29		2.3	0.31		2.4	0.25		2.3	0.26		2.3	0.22	
2.5	0.28		2.5	0.27		2.4	0.29		2.5	0.24		2.4	0.24		2.4	0.20	
2.6	0.26		2.6	0.25		2.5	0.26		2.6	0.22		2.5	0.22		2.5	0.19	
2.7	0.23		2.7	0.22		2.6	0.24		2.7	0.20		2.6	0.20		2.6	0.17	
2.8	0.21		2.8	0.20		2.7	0.22		2.8	0.18		2.7	0.19		2.7	0.16	
2.9	0.19		2.9	0.18		2.8	0.21		2.9	0.15		2.8	0.18		2.8	0.15	
3.0	0.15		3.0	0.14		2.9	0.19		3.0	0.13		2.9	0.16		2.9	0.14	
3.1	0.14		3.1	0.14		3.0	0.15		3.1	0.13		3.0	0.13		3.0	0.12	
3.2	0.13		3.2	0.13		3.1	0.12		3.2	0.12		3.1	0.11		3.1	0.10	
3.3	0.10		3.3	0.10		3.2	0.11		3.3	0.10		3.2	0.10		3.2	0.09	
3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.3	0.09		3.3	0.07	
3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.4	0.06		3.4	0.06	
3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.5	0.05		3.5	0.04	
3.7	0.02		3.7	0.02		3.6	0.02		3.7	0.03		3.6	0.03		3.6	0.03	
3.8	0.02		3.8	0.02		3.7	0.02		3.8	0.02		3.7	0.03		3.7	0.03	
43	0.8	0.70	44	0.8	0.73	45	0.7	0.54	46	0.8	0.66	47	0.8	0.71	48	0.8	0.74
0.9	0.52		0.9	0.54		0.8	0.29		0.9	0.47		0.9	0.53		0.9	0.55	
1.0	0.49		1.0	0.51		0.9	0.26		1.0	0.44		1.0	0.50		1.0	0.53	
1.1	0.47		1.1	0.49		1.0	0.25		1.1	0.41		1.1	0.48		1.1	0.51	
1.2	0.45		1.2	0.48		1.1	0.24		1.2	0.39		1.2	0.46		1.2	0.49	
1.3	0.43		1.3	0.46		1.2	0.24		1.3	0.37		1.3	0.45		1.3	0.48	
1.4	0.41		1.4	0.44		1.3	0.23		1.4	0.36		1.4	0.43		1.4	0.46	
1.5	0.39		1.5	0.43		1.4	0.23		1.5	0.34		1.5	0.41		1.5	0.45	
1.6	0.38		1.6	0.41		1.5	0.22		1.6	0.33		1.6	0.40		1.6	0.43	
1.7	0.36		1.7	0.39		1.6	0.22		1.7	0.31		1.7	0.38		1.7	0.41	
1.8	0.35		1.8	0.38		1.7	0.21		1.8	0.30		1.8	0.36		1.8	0.40	
1.9	0.33		1.9	0.36		1.8	0.20		1.9	0.29		1.9	0.35		1.9	0.38	
2.0	0.32		2.0	0.35		1.9	0.20		2.0	0.27		2.0	0.33		2.0	0.37	
2.1	0.30		2.1	0.34		2.0	0.19		2.1	0.26		2.1	0.32		2.1	0.35	
2.2	0.29		2.2	0.32		2.1	0.19		2.2	0.25		2.2	0.30		2.2	0.34	
2.3	0.26		2.3	0.30		2.2	0.18		2.3	0.22		2.3	0.27		2.3	0.31	
2.4	0.24		2.4	0.26		2.3	0.16		2.4	0.21		2.4	0.25		2.4	0.27	
2.5	0.23		2.5	0.25		2.4	0.15		2.5	0.19		2.5	0.24		2.5	0.26	
2.6	0.22		2.6	0.24		2.5	0.14		2.6	0.18		2.6	0.23		2.6	0.24	
2.7	0.19		2.7	0.21		2.6	0.13		2.7	0.17		2.7	0.20		2.7	0.22	
2.8	0.18		2.8	0.19		2.7	0.12		2.8	0.15		2.8	0.19		2.8	0.20	
2.9	0.17		2.9	0.16		2.8	0.11		2.9	0.15		2.9	0.17		2.9	0.17	
3.0	0.14		3.0	0.14		2.9	0.11		3.0	0.13		3.0	0.15		3.0	0.15	
3.1	0.11		3.1	0.11		3.0	0.10		3.1	0.10		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.10		3.1	0.07		3.2	0.10		3.2	0.10		3.2	0.11	
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.09		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.06		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
49	0.8	0.66	50	0.8	0.70	51	0.8	0.73	52	0.7	0.53	53	0.8	0.62	54	0.8	0.65
0.9	0.47		0.9	0.52		0.9	0.54		0.8	0.27		0.9	0.42		0.9	0.46	
1.0	0.43		1.0	0.49		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42	
1.1	0.40		1.1	0.47		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.40	
1.2	0.38		1.2	0.45		1.2	0.48		1.1	0.20		1.2	0.32		1.2	0.38	
1.3	0.36		1.3	0.43		1.3	0.46		1.2	0.20		1.3	0.30		1.3	0.36	
1.4	0.34		1.4	0.41		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.35	
1.5	0.33		1.5	0.39		1.5	0.43		1.4	0.18		1.5	0.27		1.5	0.33	
1.6	0.31		1.6	0.38		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.32	
1.7	0.30		1.7	0.36		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30	
1.8	0.28		1.8	0.35		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29	
1.9	0.27		1.9	0.33		1.9	0.36		1.8	0.17		1.9	0.23		1.9	0.28	
2.0	0.26		2.0	0.32		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27	
2.1	0.25		2.1	0.30		2.1	0.34		2.0	0.16		2.1	0.21		2.1	0.26	
2.2	0.24		2.2	0.29		2.2	0.32		2.1	0.15		2.2	0.21		2.2	0.25	
2.3	0.22		2.3	0.26		2.3	0.30		2.2	0.15		2.3	0.19		2.3	0.23	
2.4	0.20		2.4	0.24		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21	
2.5	0.19		2.5	0.23		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20	
2.6	0.17		2.6	0.22		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19	
2.7	0.16		2.7	0.19		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17	
2.8	0.15		2.8	0.18		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16	
2.9	0.14		2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14	
3.0	0.12		3.0	0.14		3.0	0.14		2.9	0.10		3.0	0.11		3.0	0.13	
3.1	0.10		3.1	0.11		3.1	0.11		3.0	0.09		3.1	0.09		3.1	0.10	
3.2	0.09		3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.09		3.2	0.09	
3.3	0.07		3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08	
3.4	0.06		3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04	
3.6	0.03		3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 71 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
	3.7	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02
55	0.8	0.67	56	0.7	0.53	57	0.7	0.54	58	0.7	0.54	59	0.7	0.54	60	0.8	0.66
	0.9	0.48		0.8	0.27		0.8	0.29		0.8	0.29		0.8	0.29		0.9	0.47
	1.0	0.44		0.9	0.23		0.9	0.26		0.9	0.27		0.9	0.26		1.0	0.43
	1.1	0.42		1.0	0.22		1.0	0.25		1.0	0.26		1.0	0.25		1.1	0.40
	1.2	0.40		1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.24		1.2	0.38
	1.3	0.39		1.2	0.20		1.2	0.24		1.2	0.25		1.2	0.24		1.3	0.36
	1.4	0.37		1.3	0.20		1.3	0.23		1.3	0.25		1.3	0.23		1.4	0.34
	1.5	0.36		1.4	0.19		1.4	0.23		1.4	0.25		1.4	0.23		1.5	0.33
	1.6	0.34		1.5	0.19		1.5	0.22		1.5	0.24		1.5	0.22		1.6	0.31
	1.7	0.33		1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.22		1.7	0.30
	1.8	0.32		1.7	0.18		1.7	0.22		1.7	0.23		1.7	0.21		1.8	0.28
	1.9	0.31		1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.20		1.9	0.27
	2.0	0.30		1.9	0.17		1.9	0.21		1.9	0.23		1.9	0.20		2.0	0.26
	2.1	0.29		2.0	0.17		2.0	0.20		2.0	0.22		2.0	0.19		2.1	0.25
	2.2	0.28		2.1	0.16		2.1	0.20		2.1	0.22		2.1	0.19		2.2	0.24
	2.3	0.26		2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.18		2.3	0.22
	2.4	0.23		2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.16		2.4	0.20
	2.5	0.22		2.4	0.13		2.4	0.16		2.4	0.18		2.4	0.15		2.5	0.19
	2.6	0.21		2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.14		2.6	0.17
	2.7	0.19		2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.13		2.7	0.16
	2.8	0.17		2.7	0.12		2.7	0.13		2.7	0.15		2.7	0.12		2.8	0.15
	2.9	0.14		2.8	0.11		2.8	0.13		2.8	0.14		2.8	0.11		2.9	0.14
	3.0	0.13		2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.11		3.0	0.12
	3.1	0.10		3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.10		3.1	0.10
	3.2	0.09		3.1	0.07		3.1	0.08		3.1	0.09		3.1	0.07		3.2	0.09
	3.3	0.09		3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07
	3.4	0.06		3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.06
	3.5	0.05		3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04
	3.6	0.03		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03
	3.7	0.02		3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03
61	0.8	0.66	62	0.8	0.66	63	0.8	0.70	64	0.8	0.71	65	0.8	0.70	66	0.8	0.73
	0.9	0.47		0.9	0.47		0.9	0.52		0.9	0.53		0.9	0.52		0.9	0.54
	1.0	0.44		1.0	0.43		1.0	0.49		1.0	0.50		1.0	0.49		1.0	0.51
	1.1	0.41		1.1	0.40		1.1	0.47		1.1	0.48		1.1	0.47		1.1	0.49
	1.2	0.39		1.2	0.38		1.2	0.45		1.2	0.46		1.2	0.45		1.2	0.48
	1.3	0.37		1.3	0.36		1.3	0.43		1.3	0.45		1.3	0.43		1.3	0.46
	1.4	0.36		1.4	0.34		1.4	0.41		1.4	0.43		1.4	0.41		1.4	0.44
	1.5	0.34		1.5	0.33		1.5	0.39		1.5	0.41		1.5	0.39		1.5	0.43
	1.6	0.33		1.6	0.31		1.6	0.38		1.6	0.40		1.6	0.38		1.6	0.41
	1.7	0.31		1.7	0.30		1.7	0.36		1.7	0.38		1.7	0.36		1.7	0.39
	1.8	0.30		1.8	0.28		1.8	0.35		1.8	0.36		1.8	0.35		1.8	0.38
	1.9	0.29		1.9	0.27		1.9	0.33		1.9	0.35		1.9	0.33		1.9	0.36
	2.0	0.27		2.0	0.26		2.0	0.32		2.0	0.33		2.0	0.32		2.0	0.35
	2.1	0.26		2.1	0.25		2.1	0.30		2.1	0.32		2.1	0.30		2.1	0.34
	2.2	0.25		2.2	0.24		2.2	0.29		2.2	0.30		2.2	0.29		2.2	0.32
	2.3	0.22		2.3	0.22		2.3	0.26		2.3	0.27		2.3	0.26		2.3	0.30
	2.4	0.21		2.4	0.20		2.4	0.24		2.4	0.25		2.4	0.24		2.4	0.26
	2.5	0.19		2.5	0.19		2.5	0.23		2.5	0.24		2.5	0.23		2.5	0.25
	2.6	0.18		2.6	0.17		2.6	0.22		2.6	0.23		2.6	0.22		2.6	0.24
	2.7	0.17		2.7	0.16		2.7	0.19		2.7	0.20		2.7	0.19		2.7	0.21
	2.8	0.15		2.8	0.15		2.8	0.18		2.8	0.19		2.8	0.18		2.8	0.19
	2.9	0.15		2.9	0.14		2.9	0.17		2.9	0.17		2.9	0.17		2.9	0.16
	3.0	0.13		3.0	0.12		3.0	0.14		3.0	0.15		3.0	0.14		3.0	0.14
	3.1	0.10		3.1	0.10		3.1	0.11		3.1	0.11		3.1	0.11		3.1	0.11
	3.2	0.10		3.2	0.09		3.2	0.10		3.2	0.10		3.2	0.10		3.2	0.10
	3.3	0.07		3.3	0.07		3.3	0.09		3.3	0.09		3.3	0.09		3.3	0.09
	3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06
	3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.05
	3.6	0.02		3.6	0.03		3.6	0.02		3.6	0.02		3.6	0.02		3.6	0.02
	3.7	0.03		3.7	0.03		3.7	0.02		3.7	0.02		3.7	0.02		3.7	0.02
67	0.8	0.74	68	0.8	0.73	69	0.7	0.53	70	0.8	0.62	71	0.8	0.65	72	0.8	0.67
	0.9	0.55		0.9	0.54		0.8	0.27		0.9	0.42		0.9	0.46		0.9	0.48
	1.0	0.53		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44
	1.1	0.51		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.40		1.1	0.42
	1.2	0.49		1.2	0.48		1.1	0.20		1.2	0.32		1.2	0.38		1.2	0.40
	1.3	0.48		1.3	0.46		1.2	0.20		1.3	0.30		1.3	0.36		1.3	0.39
	1.4	0.46		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.35		1.4	0.37
	1.5	0.45		1.5	0.43		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.36
	1.6	0.43		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.32		1.6	0.34
	1.7	0.41		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33
	1.8	0.40		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32
	1.9	0.38		1.9	0.36		1.8	0.17		1.9	0.23		1.9	0.28		1.9	0.31
	2.0	0.37		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30
	2.1	0.35		2.1	0.34		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.29

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 72 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
2.2	0.34		2.2	0.32		2.1	0.15		2.2	0.21		2.2	0.25		2.2	0.28	
2.3	0.31		2.3	0.30		2.2	0.15		2.3	0.19		2.3	0.23		2.3	0.26	
2.4	0.27		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23	
2.5	0.26		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22	
2.6	0.24		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21	
2.7	0.22		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19	
2.8	0.20		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17	
2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14	
3.0	0.15		3.0	0.14		2.9	0.10		3.0	0.11		3.0	0.13		3.0	0.13	
3.1	0.11		3.1	0.11		3.0	0.09		3.1	0.09		3.1	0.10		3.1	0.10	
3.2	0.11		3.2	0.10		3.1	0.06		3.2	0.09		3.2	0.09		3.2	0.09	
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06	
3.5	0.05		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
73	0.7	0.53	74	0.7	0.54	75	0.7	0.54	76	0.7	0.53	77	0.8	0.62	78	0.8	0.65
	0.8	0.27		0.8	0.29		0.8	0.29		0.8	0.27		0.9	0.42		0.9	0.46
	0.9	0.23		0.9	0.26		0.9	0.27		0.9	0.23		1.0	0.37		1.0	0.42
	1.0	0.22		1.0	0.25		1.0	0.26		1.0	0.21		1.1	0.34		1.1	0.40
	1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.20		1.2	0.32		1.2	0.38
	1.2	0.20		1.2	0.24		1.2	0.25		1.2	0.20		1.3	0.30		1.3	0.36
	1.3	0.20		1.3	0.23		1.3	0.25		1.3	0.19		1.4	0.29		1.4	0.35
	1.4	0.19		1.4	0.23		1.4	0.25		1.4	0.18		1.5	0.27		1.5	0.33
	1.5	0.19		1.5	0.22		1.5	0.24		1.5	0.18		1.6	0.26		1.6	0.32
	1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.17		1.7	0.25		1.7	0.30
	1.7	0.18		1.7	0.22		1.7	0.23		1.7	0.17		1.8	0.24		1.8	0.29
	1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.17		1.9	0.23		1.9	0.28
	1.9	0.17		1.9	0.21		1.9	0.23		1.9	0.16		2.0	0.22		2.0	0.27
	2.0	0.17		2.0	0.20		2.0	0.22		2.0	0.16		2.1	0.21		2.1	0.26
	2.1	0.16		2.1	0.20		2.1	0.22		2.1	0.15		2.2	0.21		2.2	0.25
	2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.15		2.3	0.19		2.3	0.23
	2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.14		2.4	0.17		2.4	0.21
	2.4	0.13		2.4	0.16		2.4	0.18		2.4	0.13		2.5	0.16		2.5	0.20
	2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.12		2.6	0.15		2.6	0.19
	2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.11		2.7	0.14		2.7	0.17
	2.7	0.12		2.7	0.13		2.7	0.15		2.7	0.11		2.8	0.13		2.8	0.16
	2.8	0.11		2.8	0.13		2.8	0.14		2.8	0.10		2.9	0.12		2.9	0.14
	2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.10		3.0	0.11		3.0	0.13
	3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.09		3.1	0.09		3.1	0.10
	3.1	0.07		3.1	0.08		3.1	0.09		3.1	0.06		3.2	0.09		3.2	0.09
	3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07		3.3	0.08
	3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.05		3.4	0.06
	3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04		3.5	0.04
	3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03		3.6	0.02
	3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03		3.7	0.02
79	0.8	0.67	80	0.7	0.53	81	0.8	0.62	82	0.8	0.65	83	0.8	0.67			
	0.9	0.48		0.8	0.27		0.9	0.42		0.9	0.46		0.9	0.48			
	1.0	0.44		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44			
	1.1	0.42		1.0	0.21		1.1	0.34		1.1	0.40		1.1	0.42			
	1.2	0.40		1.1	0.20		1.2	0.32		1.2	0.38		1.2	0.40			
	1.3	0.39		1.2	0.20		1.3	0.30		1.3	0.36		1.3	0.39			
	1.4	0.37		1.3	0.19		1.4	0.29		1.4	0.35		1.4	0.37			
	1.5	0.36		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.36			
	1.6	0.34		1.5	0.18		1.6	0.26		1.6	0.32		1.6	0.34			
	1.7	0.33		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33			
	1.8	0.32		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32			
	1.9	0.31		1.8	0.17		1.9	0.23		1.9	0.28		1.9	0.31			
	2.0	0.30		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30			
	2.1	0.29		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.29			
	2.2	0.28		2.1	0.15		2.2	0.21		2.2	0.25		2.2	0.28			
	2.3	0.26		2.2	0.15		2.3	0.19		2.3	0.23		2.3	0.26			
	2.4	0.23		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23			
	2.5	0.22		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22			
	2.6	0.21		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21			
	2.7	0.19		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19			
	2.8	0.17		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17			
	2.9	0.14		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14			
	3.0	0.13		2.9	0.10		3.0	0.11		3.0	0.13		3.0	0.13			
	3.1	0.10		3.0	0.09		3.1	0.09		3.1	0.10		3.1	0.10			
	3.2	0.09		3.1	0.06		3.2	0.09		3.2	0.09		3.2	0.09			
	3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09			
	3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06			
	3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05			
	3.6	0.03		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03			
	3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02			

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 73 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Rare 2

Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
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STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1

Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1	0.5	0.49	2	0.5	0.49	3	0.5	0.49	4	0.5	0.49	5	0.9	0.78	6	0.7	0.52
	0.6	0.48		0.6	0.48		0.6	0.48		0.6	0.48		1.0	0.54		0.8	0.32
	0.7	0.19		0.7	0.19		0.7	0.19		0.7	0.19		1.1	0.51		0.9	0.28
	0.8	0.14		0.8	0.14		0.8	0.14		0.8	0.14		1.2	0.49		1.0	0.26
	0.9	0.13		0.9	0.13		0.9	0.13		0.9	0.13		1.3	0.47		1.1	0.26
	1.0	0.12		1.0	0.12		1.0	0.12		1.0	0.12		1.4	0.46		1.2	0.25
	1.1	0.12		1.1	0.12		1.1	0.12		1.1	0.12		1.5	0.44		1.3	0.25
	1.2	0.12		1.2	0.12		1.2	0.12		1.2	0.12		1.6	0.43		1.4	0.25
	1.3	0.12		1.3	0.12		1.3	0.12		1.3	0.12		1.7	0.42		1.5	0.25
	1.4	0.12		1.4	0.12		1.4	0.12		1.4	0.12		1.8	0.40		1.6	0.25
	1.5	0.12		1.5	0.12		1.5	0.12		1.5	0.12		1.9	0.39		1.7	0.25
	1.6	0.12		1.6	0.12		1.6	0.12		1.6	0.12		2.0	0.38		1.8	0.24
	1.7	0.12		1.7	0.12		1.7	0.12		1.7	0.12		2.1	0.36		1.9	0.24
	1.8	0.12		1.8	0.12		1.8	0.12		1.8	0.12		2.2	0.35		2.0	0.24
	1.9	0.12		1.9	0.12		1.9	0.12		1.9	0.12		2.3	0.30		2.1	0.24
	2.0	0.12		2.0	0.12		2.0	0.12		2.0	0.12		2.4	0.28		2.2	0.23
	2.1	0.12		2.1	0.12		2.1	0.12		2.1	0.12		2.5	0.26		2.3	0.21
	2.2	0.12		2.2	0.12		2.2	0.12		2.2	0.12		2.6	0.23		2.4	0.19
	2.3	0.11		2.3	0.11		2.3	0.11		2.3	0.11		2.7	0.23		2.5	0.18
	2.4	0.10		2.4	0.10		2.4	0.10		2.4	0.10		2.8	0.21		2.6	0.17
	2.5	0.10		2.5	0.10		2.5	0.10		2.5	0.10		2.9	0.18		2.7	0.17
	2.6	0.09		2.6	0.09		2.6	0.09		2.6	0.09		3.0	0.15		2.8	0.16
	2.7	0.09		2.7	0.09		2.7	0.09		2.7	0.09		3.1	0.14		2.9	0.13
	2.8	0.08		2.8	0.08		2.8	0.08		2.8	0.08		3.2	0.13		3.0	0.11
	2.9	0.08		2.9	0.08		2.9	0.08		2.9	0.08		3.3	0.12		3.1	0.11
	3.0	0.07		3.0	0.07		3.0	0.07		3.0	0.07		3.4	0.08		3.2	0.10
	3.1	0.06		3.1	0.06		3.1	0.06		3.1	0.06		3.5	0.05		3.3	0.09
	3.2	0.05		3.2	0.05		3.2	0.05		3.2	0.05		3.6	0.02		3.4	0.07
	3.3	0.05		3.3	0.05		3.3	0.05		3.3	0.05		3.7	0.02		3.5	0.05
	3.4	0.04		3.4	0.04		3.4	0.04		3.4	0.04		3.8	0.02		3.6	0.04
7	0.7	0.53	8	0.7	0.53	9	0.8	0.73	10	0.8	0.73	11	0.7	0.53	12	0.9	0.78
	0.8	0.30		0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.30		1.0	0.54
	0.9	0.27		0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.27		1.1	0.51
	1.0	0.26		1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		1.2	0.49
	1.1	0.25		1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.25		1.3	0.47
	1.2	0.25		1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.4	0.46
	1.3	0.25		1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.5	0.44
	1.4	0.25		1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.6	0.43
	1.5	0.25		1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.7	0.42
	1.6	0.24		1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.24		1.8	0.40
	1.7	0.24		1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.24		1.9	0.39
	1.8	0.24		1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		2.0	0.38
	1.9	0.23		1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.23		2.1	0.36
	2.0	0.23		2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.23		2.2	0.35
	2.1	0.23		2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.23		2.3	0.30
	2.2	0.22		2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.22		2.4	0.28
	2.3	0.20		2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.20		2.5	0.26
	2.4	0.18		2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.18		2.6	0.23
	2.5	0.17		2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.17		2.7	0.23
	2.6	0.16		2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.16		2.8	0.21
	2.7	0.15		2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.15		2.9	0.18
	2.8	0.14		2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.14		3.0	0.15
	2.9	0.13		2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		3.1	0.14
	3.0	0.11		3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		3.2	0.13
	3.1	0.09		3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.09		3.3	0.12
	3.2	0.09		3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.09		3.4	0.08
	3.3	0.08		3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.08		3.5	0.05
	3.4	0.06		3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.06		3.6	0.02
	3.5	0.04		3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.04		3.7	0.02
	3.6	0.03		3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.8	0.02
13	0.7	0.53	14	0.8	0.73	15	0.8	0.73	16	0.7	0.52	17	0.6	0.53	18	0.6	0.53
	0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.32		0.7	0.38		0.7	0.38
	0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.28		0.8	0.28		0.8	0.28
	1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		0.9	0.25		0.9	0.25
	1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.26		1.0	0.24		1.0	0.24
	1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.1	0.23		1.1	0.23
	1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.2	0.23		1.2	0.23
	1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.3	0.22		1.3	0.22
	1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.4	0.21		1.4	0.21
	1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.25		1.5	0.21		1.5	0.21

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 74 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.25		1.6	0.20		1.6	0.20	
1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		1.7	0.20		1.7	0.20	
1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.24		1.8	0.19		1.8	0.19	
2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.24		1.9	0.19		1.9	0.19	
2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.24		2.0	0.18		2.0	0.18	
2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.23		2.1	0.18		2.1	0.18	
2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.21		2.2	0.17		2.2	0.17	
2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.19		2.3	0.16		2.3	0.16	
2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.18		2.4	0.15		2.4	0.15	
2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.17		2.5	0.14		2.5	0.14	
2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.17		2.6	0.13		2.6	0.13	
2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.16		2.7	0.12		2.7	0.12	
2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		2.8	0.11		2.8	0.11	
3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		2.9	0.11		2.9	0.11	
3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.11		3.0	0.09		3.0	0.09	
3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.10		3.1	0.07		3.1	0.07	
3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.09		3.2	0.06		3.2	0.06	
3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.07		3.3	0.06		3.3	0.06	
3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.05		3.4	0.04		3.4	0.04	
3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.04		3.5	0.04		3.5	0.04	
19	0.6	0.53	20	0.6	0.53	21	0.8	0.66	22	0.7	0.52	23	0.9	0.69	24	0.9	0.77
0.7	0.38		0.7	0.38		0.9	0.49		0.8	0.32		1.0	0.46		1.0	0.53	
0.8	0.28		0.8	0.28		1.0	0.45		0.9	0.28		1.1	0.43		1.1	0.51	
0.9	0.25		0.9	0.25		1.1	0.42		1.0	0.26		1.2	0.41		1.2	0.49	
1.0	0.24		1.0	0.24		1.2	0.40		1.1	0.26		1.3	0.39		1.3	0.47	
1.1	0.23		1.1	0.23		1.3	0.39		1.2	0.25		1.4	0.38		1.4	0.46	
1.2	0.23		1.2	0.23		1.4	0.38		1.3	0.25		1.5	0.37		1.5	0.44	
1.3	0.22		1.3	0.22		1.5	0.36		1.4	0.25		1.6	0.36		1.6	0.43	
1.4	0.22		1.4	0.22		1.6	0.35		1.5	0.25		1.7	0.35		1.7	0.41	
1.5	0.21		1.5	0.21		1.7	0.34		1.6	0.25		1.8	0.34		1.8	0.40	
1.6	0.20		1.6	0.20		1.8	0.33		1.7	0.24		1.9	0.33		1.9	0.39	
1.7	0.20		1.7	0.20		1.9	0.32		1.8	0.24		2.0	0.32		2.0	0.37	
1.8	0.19		1.8	0.19		2.0	0.31		1.9	0.24		2.1	0.31		2.1	0.36	
1.9	0.19		1.9	0.19		2.1	0.30		2.0	0.24		2.2	0.30		2.2	0.35	
2.0	0.18		2.0	0.18		2.2	0.29		2.1	0.23		2.3	0.27		2.3	0.31	
2.1	0.18		2.1	0.18		2.3	0.26		2.2	0.23		2.4	0.25		2.4	0.28	
2.2	0.17		2.2	0.17		2.4	0.24		2.3	0.21		2.5	0.23		2.5	0.26	
2.3	0.16		2.3	0.16		2.5	0.22		2.4	0.19		2.6	0.22		2.6	0.25	
2.4	0.15		2.4	0.15		2.6	0.20		2.5	0.18		2.7	0.19		2.7	0.22	
2.5	0.14		2.5	0.14		2.7	0.19		2.6	0.17		2.8	0.18		2.8	0.20	
2.6	0.13		2.6	0.13		2.8	0.18		2.7	0.16		2.9	0.15		2.9	0.17	
2.7	0.12		2.7	0.12		2.9	0.16		2.8	0.15		3.0	0.13		3.0	0.14	
2.8	0.11		2.8	0.11		3.0	0.13		2.9	0.13		3.1	0.13		3.1	0.14	
2.9	0.11		2.9	0.11		3.1	0.11		3.0	0.11		3.2	0.11		3.2	0.12	
3.0	0.09		3.0	0.09		3.2	0.10		3.1	0.11		3.3	0.10		3.3	0.10	
3.1	0.07		3.1	0.07		3.3	0.09		3.2	0.10		3.4	0.07		3.4	0.07	
3.2	0.06		3.2	0.06		3.4	0.06		3.3	0.08		3.5	0.05		3.5	0.05	
3.3	0.06		3.3	0.06		3.5	0.05		3.4	0.07		3.6	0.03		3.6	0.02	
3.4	0.04		3.4	0.04		3.6	0.03		3.5	0.05		3.7	0.03		3.7	0.02	
3.5	0.04		3.5	0.04		3.7	0.03		3.6	0.04		3.8	0.02		3.8	0.02	
25	0.9	0.70	26	0.9	0.69	27	0.9	0.77	28	0.8	0.66	29	0.8	0.74	30	0.9	0.79
1.0	0.46		1.0	0.46		1.0	0.53		0.9	0.49		0.9	0.57		1.0	0.55	
1.1	0.43		1.1	0.43		1.1	0.51		1.0	0.45		1.0	0.54		1.1	0.52	
1.2	0.41		1.2	0.41		1.2	0.49		1.1	0.42		1.1	0.52		1.2	0.51	
1.3	0.40		1.3	0.39		1.3	0.47		1.2	0.40		1.2	0.50		1.3	0.49	
1.4	0.38		1.4	0.38		1.4	0.46		1.3	0.39		1.3	0.49		1.4	0.48	
1.5	0.37		1.5	0.37		1.5	0.44		1.4	0.38		1.4	0.47		1.5	0.46	
1.6	0.36		1.6	0.36		1.6	0.43		1.5	0.36		1.5	0.46		1.6	0.45	
1.7	0.35		1.7	0.35		1.7	0.41		1.6	0.35		1.6	0.44		1.7	0.43	
1.8	0.34		1.8	0.34		1.8	0.40		1.7	0.34		1.7	0.43		1.8	0.42	
1.9	0.33		1.9	0.33		1.9	0.39		1.8	0.33		1.8	0.41		1.9	0.41	
2.0	0.32		2.0	0.32		2.0	0.37		1.9	0.32		1.9	0.40		2.0	0.39	
2.1	0.31		2.1	0.31		2.1	0.36		2.0	0.31		2.0	0.38		2.1	0.38	
2.2	0.30		2.2	0.30		2.2	0.35		2.1	0.30		2.1	0.37		2.2	0.36	
2.3	0.27		2.3	0.27		2.3	0.31		2.2	0.29		2.2	0.35		2.3	0.33	
2.4	0.25		2.4	0.25		2.4	0.28		2.3	0.26		2.3	0.31		2.4	0.30	
2.5	0.23		2.5	0.23		2.5	0.26		2.4	0.24		2.4	0.29		2.5	0.27	
2.6	0.21		2.6	0.22		2.6	0.25		2.5	0.22		2.5	0.26		2.6	0.26	
2.7	0.20		2.7	0.19		2.7	0.22		2.6	0.20		2.6	0.23		2.7	0.22	
2.8	0.19		2.8	0.18		2.8	0.20		2.7	0.19		2.7	0.22		2.8	0.21	
2.9	0.16		2.9	0.15		2.9	0.17		2.8	0.18		2.8	0.20		2.9	0.19	
3.0	0.14		3.0	0.13		3.0	0.14		2.9	0.16		2.9	0.19		3.0	0.14	
3.1	0.13		3.1	0.13		3.1	0.14		3.0	0.13		3.0	0.15		3.1	0.14	
3.2	0.12		3.2	0.11		3.2	0.12		3.1	0.11		3.1	0.12		3.2	0.13	
3.3	0.11		3.3	0.10		3.3	0.10		3.2	0.10		3.2	0.11		3.3	0.10	
3.4	0.07		3.4	0.07		3.4	0.07		3.3	0.09		3.3	0.09		3.4	0.07	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 75 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.5	0.05		3.5	0.05		3.5	0.05		3.4	0.06		3.4	0.06		3.5	0.05	
3.6	0.03		3.6	0.03		3.6	0.02		3.5	0.05		3.5	0.04		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.6	0.03		3.6	0.02		3.7	0.02	
3.8	0.03		3.8	0.02		3.8	0.02		3.7	0.03		3.7	0.02		3.8	0.02	
31	0.9	0.77	32	0.9	0.80	33	0.8	0.66	34	0.9	0.69	35	0.7	0.52	36	0.9	0.70
	1.0	0.53		1.0	0.55		0.9	0.49		1.0	0.46		0.8	0.32		1.0	0.46
	1.1	0.51		1.1	0.53		1.0	0.45		1.1	0.43		0.9	0.28		1.1	0.43
	1.2	0.49		1.2	0.51		1.1	0.42		1.2	0.41		1.0	0.26		1.2	0.41
	1.3	0.47		1.3	0.50		1.2	0.40		1.3	0.39		1.1	0.26		1.3	0.40
	1.4	0.46		1.4	0.48		1.3	0.39		1.4	0.38		1.2	0.25		1.4	0.38
	1.5	0.44		1.5	0.47		1.4	0.38		1.5	0.37		1.3	0.25		1.5	0.37
	1.6	0.43		1.6	0.45		1.5	0.36		1.6	0.36		1.4	0.25		1.6	0.36
	1.7	0.41		1.7	0.44		1.6	0.35		1.7	0.35		1.5	0.25		1.7	0.35
	1.8	0.40		1.8	0.42		1.7	0.34		1.8	0.34		1.6	0.25		1.8	0.34
	1.9	0.39		1.9	0.41		1.8	0.33		1.9	0.33		1.7	0.24		1.9	0.33
	2.0	0.37		2.0	0.39		1.9	0.32		2.0	0.32		1.8	0.24		2.0	0.32
	2.1	0.36		2.1	0.38		2.0	0.31		2.1	0.31		1.9	0.24		2.1	0.31
	2.2	0.35		2.2	0.37		2.1	0.30		2.2	0.30		2.0	0.24		2.2	0.30
	2.3	0.31		2.3	0.32		2.2	0.29		2.3	0.27		2.1	0.23		2.3	0.27
	2.4	0.28		2.4	0.30		2.3	0.26		2.4	0.25		2.2	0.23		2.4	0.25
	2.5	0.26		2.5	0.27		2.4	0.24		2.5	0.23		2.3	0.21		2.5	0.23
	2.6	0.25		2.6	0.24		2.5	0.22		2.6	0.22		2.4	0.19		2.6	0.21
	2.7	0.22		2.7	0.23		2.6	0.20		2.7	0.19		2.5	0.18		2.7	0.20
	2.8	0.20		2.8	0.22		2.7	0.19		2.8	0.18		2.6	0.17		2.8	0.19
	2.9	0.17		2.9	0.19		2.8	0.18		2.9	0.15		2.7	0.16		2.9	0.16
	3.0	0.14		3.0	0.16		2.9	0.16		3.0	0.13		2.8	0.15		3.0	0.14
	3.1	0.14		3.1	0.14		3.0	0.13		3.1	0.13		2.9	0.13		3.1	0.13
	3.2	0.12		3.2	0.13		3.1	0.11		3.2	0.11		3.0	0.11		3.2	0.12
	3.3	0.10		3.3	0.12		3.2	0.10		3.3	0.10		3.1	0.11		3.3	0.11
	3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.2	0.10		3.4	0.07
	3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.3	0.08		3.5	0.05
	3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.4	0.07		3.6	0.03
	3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.5	0.05		3.7	0.03
	3.8	0.02		3.8	0.02		3.7	0.03		3.8	0.02		3.6	0.04		3.8	0.03
37	0.9	0.79	38	0.9	0.77	39	0.8	0.74	40	0.9	0.69	41	0.8	0.66	42	0.8	0.65
	1.0	0.55		1.0	0.53		0.9	0.57		1.0	0.46		0.9	0.49		0.9	0.46
	1.1	0.52		1.1	0.51		1.0	0.54		1.1	0.43		1.0	0.45		1.0	0.42
	1.2	0.51		1.2	0.49		1.1	0.52		1.2	0.41		1.1	0.42		1.1	0.40
	1.3	0.49		1.3	0.47		1.2	0.50		1.3	0.39		1.2	0.40		1.2	0.37
	1.4	0.48		1.4	0.46		1.3	0.49		1.4	0.38		1.3	0.39		1.3	0.36
	1.5	0.46		1.5	0.44		1.4	0.47		1.5	0.37		1.4	0.38		1.4	0.34
	1.6	0.45		1.6	0.43		1.5	0.46		1.6	0.36		1.5	0.36		1.5	0.32
	1.7	0.43		1.7	0.41		1.6	0.44		1.7	0.35		1.6	0.35		1.6	0.31
	1.8	0.42		1.8	0.40		1.7	0.43		1.8	0.34		1.7	0.34		1.7	0.29
	1.9	0.41		1.9	0.39		1.8	0.41		1.9	0.33		1.8	0.33		1.8	0.28
	2.0	0.39		2.0	0.37		1.9	0.40		2.0	0.32		1.9	0.32		1.9	0.27
	2.1	0.38		2.1	0.36		2.0	0.38		2.1	0.31		2.0	0.31		2.0	0.26
	2.2	0.36		2.2	0.35		2.1	0.37		2.2	0.30		2.1	0.30		2.1	0.25
	2.3	0.33		2.3	0.31		2.2	0.35		2.3	0.27		2.2	0.29		2.2	0.24
	2.4	0.30		2.4	0.28		2.3	0.31		2.4	0.25		2.3	0.26		2.3	0.21
	2.5	0.27		2.5	0.26		2.4	0.29		2.5	0.23		2.4	0.24		2.4	0.20
	2.6	0.26		2.6	0.25		2.5	0.26		2.6	0.22		2.5	0.22		2.5	0.19
	2.7	0.22		2.7	0.22		2.6	0.23		2.7	0.19		2.6	0.20		2.6	0.17
	2.8	0.21		2.8	0.20		2.7	0.22		2.8	0.18		2.7	0.19		2.7	0.16
	2.9	0.19		2.9	0.17		2.8	0.20		2.9	0.15		2.8	0.18		2.8	0.15
	3.0	0.14		3.0	0.14		2.9	0.19		3.0	0.13		2.9	0.16		2.9	0.14
	3.1	0.14		3.1	0.14		3.0	0.15		3.1	0.13		3.0	0.13		3.0	0.12
	3.2	0.13		3.2	0.12		3.1	0.12		3.2	0.11		3.1	0.11		3.1	0.10
	3.3	0.10		3.3	0.10		3.2	0.11		3.3	0.10		3.2	0.10		3.2	0.09
	3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.3	0.09		3.3	0.07
	3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.4	0.06		3.4	0.06
	3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.5	0.05		3.5	0.04
	3.7	0.02		3.7	0.02		3.6	0.02		3.7	0.03		3.6	0.03		3.6	0.03
	3.8	0.02		3.8	0.02		3.7	0.02		3.8	0.02		3.7	0.03		3.7	0.03
43	0.8	0.70	44	0.8	0.72	45	0.7	0.54	46	0.8	0.66	47	0.8	0.70	48	0.8	0.73
	0.9	0.51		0.9	0.54		0.8	0.29		0.9	0.47		0.9	0.52		0.9	0.55
	1.0	0.48		1.0	0.51		0.9	0.26		1.0	0.43		1.0	0.49		1.0	0.52
	1.1	0.46		1.1	0.49		1.0	0.25		1.1	0.41		1.1	0.47		1.1	0.50
	1.2	0.44		1.2	0.47		1.1	0.24		1.2	0.39		1.2	0.46		1.2	0.49
	1.3	0.42		1.3	0.46		1.2	0.23		1.3	0.37		1.3	0.44		1.3	0.47
	1.4	0.41		1.4	0.44		1.3	0.23		1.4	0.35		1.4	0.43		1.4	0.46
	1.5	0.39		1.5	0.42		1.4	0.22		1.5	0.34		1.5	0.41		1.5	0.44
	1.6	0.37		1.6	0.41		1.5	0.22		1.6	0.32		1.6	0.39		1.6	0.43
	1.7	0.36		1.7	0.39		1.6	0.21		1.7	0.31		1.7	0.38		1.7	0.41
	1.8	0.34		1.8	0.38		1.7	0.21		1.8	0.30		1.8	0.36		1.8	0.39

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 76 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.9	0.33		1.9	0.36		1.8	0.20		1.9	0.28		1.9	0.34		1.9	0.38	
2.0	0.31		2.0	0.35		1.9	0.20		2.0	0.27		2.0	0.33		2.0	0.36	
2.1	0.30		2.1	0.33		2.0	0.19		2.1	0.26		2.1	0.32		2.1	0.35	
2.2	0.29		2.2	0.32		2.1	0.19		2.2	0.25		2.2	0.30		2.2	0.34	
2.3	0.26		2.3	0.29		2.2	0.18		2.3	0.22		2.3	0.27		2.3	0.31	
2.4	0.24		2.4	0.26		2.3	0.16		2.4	0.21		2.4	0.24		2.4	0.27	
2.5	0.23		2.5	0.25		2.4	0.15		2.5	0.19		2.5	0.23		2.5	0.26	
2.6	0.22		2.6	0.24		2.5	0.14		2.6	0.18		2.6	0.22		2.6	0.24	
2.7	0.19		2.7	0.21		2.6	0.13		2.7	0.16		2.7	0.19		2.7	0.21	
2.8	0.18		2.8	0.19		2.7	0.12		2.8	0.15		2.8	0.19		2.8	0.19	
2.9	0.16		2.9	0.16		2.8	0.11		2.9	0.14		2.9	0.17		2.9	0.17	
3.0	0.14		3.0	0.14		2.9	0.11		3.0	0.13		3.0	0.15		3.0	0.15	
3.1	0.11		3.1	0.11		3.0	0.09		3.1	0.10		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.10		3.1	0.07		3.2	0.10		3.2	0.10		3.2	0.10	
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.09		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
49	0.8	0.65	50	0.8	0.70	51	0.8	0.72	52	0.7	0.52	53	0.8	0.61	54	0.8	0.65
0.9	0.46		0.9	0.51		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46	
1.0	0.42		1.0	0.48		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42	
1.1	0.40		1.1	0.46		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39	
1.2	0.37		1.2	0.44		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.37	
1.3	0.36		1.3	0.42		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36	
1.4	0.34		1.4	0.41		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34	
1.5	0.32		1.5	0.39		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33	
1.6	0.31		1.6	0.37		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31	
1.7	0.29		1.7	0.36		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30	
1.8	0.28		1.8	0.34		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29	
1.9	0.27		1.9	0.33		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28	
2.0	0.26		2.0	0.31		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27	
2.1	0.25		2.1	0.30		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26	
2.2	0.24		2.2	0.29		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25	
2.3	0.21		2.3	0.26		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22	
2.4	0.20		2.4	0.24		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21	
2.5	0.19		2.5	0.23		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20	
2.6	0.17		2.6	0.22		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19	
2.7	0.16		2.7	0.19		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17	
2.8	0.15		2.8	0.18		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16	
2.9	0.14		2.9	0.16		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14	
3.0	0.12		3.0	0.14		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12	
3.1	0.10		3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10	
3.2	0.09		3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09	
3.3	0.07		3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08	
3.4	0.06		3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04	
3.6	0.03		3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02	
3.7	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02	
55	0.8	0.67	56	0.7	0.52	57	0.7	0.53	58	0.7	0.53	59	0.7	0.54	60	0.8	0.65
0.9	0.47		0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.29		0.9	0.46	
1.0	0.44		0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.26		1.0	0.42	
1.1	0.42		1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.25		1.1	0.40	
1.2	0.40		1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.24		1.2	0.37	
1.3	0.38		1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.23		1.3	0.36	
1.4	0.37		1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.23		1.4	0.34	
1.5	0.35		1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.22		1.5	0.32	
1.6	0.34		1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.22		1.6	0.31	
1.7	0.33		1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.21		1.7	0.29	
1.8	0.32		1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.21		1.8	0.28	
1.9	0.31		1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.20		1.9	0.27	
2.0	0.30		1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.20		2.0	0.26	
2.1	0.28		2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.19		2.1	0.25	
2.2	0.28		2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.19		2.2	0.24	
2.3	0.25		2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.18		2.3	0.21	
2.4	0.23		2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.16		2.4	0.20	
2.5	0.22		2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.15		2.5	0.19	
2.6	0.21		2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.14		2.6	0.17	
2.7	0.19		2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.13		2.7	0.16	
2.8	0.17		2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.12		2.8	0.15	
2.9	0.14		2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.11		2.9	0.14	
3.0	0.13		2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.11		3.0	0.12	
3.1	0.10		3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.09		3.1	0.10	
3.2	0.09		3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.07		3.2	0.09	
3.3	0.09		3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07	
3.4	0.06		3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.06	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 77 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.5	0.05		3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04	
3.6	0.03		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03	
3.7	0.02		3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03	
61	0.8	0.66	62	0.8	0.65	63	0.8	0.70	64	0.8	0.70	65	0.8	0.70	66	0.8	0.72
0.9	0.47		0.9	0.46		0.9	0.51		0.9	0.52		0.9	0.51		0.9	0.54	
1.0	0.43		1.0	0.42		1.0	0.48		1.0	0.49		1.0	0.48		1.0	0.51	
1.1	0.41		1.1	0.40		1.1	0.46		1.1	0.47		1.1	0.46		1.1	0.49	
1.2	0.39		1.2	0.37		1.2	0.44		1.2	0.46		1.2	0.44		1.2	0.47	
1.3	0.37		1.3	0.36		1.3	0.42		1.3	0.44		1.3	0.42		1.3	0.46	
1.4	0.35		1.4	0.34		1.4	0.41		1.4	0.43		1.4	0.41		1.4	0.44	
1.5	0.34		1.5	0.32		1.5	0.39		1.5	0.41		1.5	0.39		1.5	0.42	
1.6	0.32		1.6	0.31		1.6	0.37		1.6	0.39		1.6	0.37		1.6	0.41	
1.7	0.31		1.7	0.29		1.7	0.36		1.7	0.38		1.7	0.36		1.7	0.39	
1.8	0.30		1.8	0.28		1.8	0.34		1.8	0.36		1.8	0.34		1.8	0.38	
1.9	0.28		1.9	0.27		1.9	0.33		1.9	0.34		1.9	0.33		1.9	0.36	
2.0	0.27		2.0	0.26		2.0	0.31		2.0	0.33		2.0	0.31		2.0	0.35	
2.1	0.26		2.1	0.25		2.1	0.30		2.1	0.32		2.1	0.30		2.1	0.33	
2.2	0.25		2.2	0.24		2.2	0.29		2.2	0.30		2.2	0.29		2.2	0.32	
2.3	0.22		2.3	0.21		2.3	0.26		2.3	0.27		2.3	0.26		2.3	0.29	
2.4	0.21		2.4	0.20		2.4	0.24		2.4	0.24		2.4	0.24		2.4	0.26	
2.5	0.19		2.5	0.19		2.5	0.23		2.5	0.23		2.5	0.23		2.5	0.25	
2.6	0.18		2.6	0.17		2.6	0.22		2.6	0.22		2.6	0.22		2.6	0.24	
2.7	0.16		2.7	0.16		2.7	0.19		2.7	0.19		2.7	0.19		2.7	0.21	
2.8	0.15		2.8	0.15		2.8	0.18		2.8	0.19		2.8	0.18		2.8	0.19	
2.9	0.14		2.9	0.14		2.9	0.16		2.9	0.17		2.9	0.16		2.9	0.16	
3.0	0.13		3.0	0.12		3.0	0.14		3.0	0.15		3.0	0.14		3.0	0.14	
3.1	0.10		3.1	0.10		3.1	0.11		3.1	0.11		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.09		3.2	0.10		3.2	0.10		3.2	0.10		3.2	0.10	
3.3	0.07		3.3	0.07		3.3	0.09		3.3	0.09		3.3	0.09		3.3	0.09	
3.4	0.05		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.03		3.6	0.02		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.7	0.02		3.7	0.02		3.7	0.02	
67	0.8	0.73	68	0.8	0.72	69	0.7	0.52	70	0.8	0.61	71	0.8	0.65	72	0.8	0.67
0.9	0.55		0.9	0.54		0.9	0.26		0.9	0.41		0.9	0.46		0.9	0.47	
1.0	0.52		1.0	0.51		1.0	0.23		1.0	0.37		1.0	0.42		1.0	0.44	
1.1	0.50		1.1	0.49		1.1	0.21		1.1	0.34		1.1	0.39		1.1	0.42	
1.2	0.49		1.2	0.47		1.2	0.20		1.2	0.32		1.2	0.37		1.2	0.40	
1.3	0.47		1.3	0.46		1.3	0.19		1.3	0.30		1.3	0.36		1.3	0.38	
1.4	0.46		1.4	0.44		1.4	0.19		1.4	0.29		1.4	0.34		1.4	0.37	
1.5	0.44		1.5	0.42		1.5	0.18		1.5	0.27		1.5	0.33		1.5	0.35	
1.6	0.43		1.6	0.41		1.6	0.18		1.6	0.26		1.6	0.31		1.6	0.34	
1.7	0.41		1.7	0.39		1.7	0.17		1.7	0.25		1.7	0.30		1.7	0.33	
1.8	0.39		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32	
1.9	0.38		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31	
2.0	0.36		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30	
2.1	0.35		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28	
2.2	0.34		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28	
2.3	0.31		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25	
2.4	0.27		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23	
2.5	0.26		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22	
2.6	0.24		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21	
2.7	0.21		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19	
2.8	0.19		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17	
2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14	
3.0	0.15		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13	
3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10	
3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09	
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06	
3.5	0.05		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
73	0.7	0.52	74	0.7	0.53	75	0.7	0.53	76	0.7	0.52	77	0.8	0.61	78	0.8	0.65
0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.26		0.9	0.41		0.9	0.46	
0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.23		1.0	0.37		1.0	0.42	
1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.21		1.1	0.34		1.1	0.39	
1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.20		1.2	0.32		1.2	0.37	
1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.19		1.3	0.30		1.3	0.36	
1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.19		1.4	0.29		1.4	0.34	
1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.18		1.5	0.27		1.5	0.33	
1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.18		1.6	0.26		1.6	0.31	
1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.17		1.7	0.25		1.7	0.30	
1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.17		1.8	0.24		1.8	0.29	
1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.16		1.9	0.23		1.9	0.28	

	PROGETTISTA 			COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA			RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar			Fg. 78 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.16		2.0	0.22		2.0	0.27	
2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.16		2.1	0.21		2.1	0.26	
2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.15		2.2	0.20		2.2	0.25	
2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.15		2.3	0.19		2.3	0.22	
2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.14		2.4	0.17		2.4	0.21	
2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.13		2.5	0.16		2.5	0.20	
2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.12		2.6	0.15		2.6	0.19	
2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.11		2.7	0.14		2.7	0.17	
2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.11		2.8	0.13		2.8	0.16	
2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.10		2.9	0.12		2.9	0.14	
2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.09		3.0	0.11		3.0	0.12	
3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.08		3.1	0.09		3.1	0.10	
3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.06		3.2	0.08		3.2	0.09	
3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07		3.3	0.08	
3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.05		3.4	0.06	
3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04		3.5	0.04	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03		3.6	0.02	
3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03		3.7	0.02	
79	0.8	0.67	80	0.7	0.52	81	0.8	0.61	82	0.8	0.65	83	0.8	0.67			
	0.9	0.47		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.47			
	1.0	0.44		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44			
	1.1	0.42		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42			
	1.2	0.40		1.1	0.20		1.2	0.32		1.2	0.37		1.2	0.40			
	1.3	0.38		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38			
	1.4	0.37		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37			
	1.5	0.35		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35			
	1.6	0.34		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34			
	1.7	0.33		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33			
	1.8	0.32		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32			
	1.9	0.31		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31			
	2.0	0.30		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30			
	2.1	0.28		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28			
	2.2	0.28		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28			
	2.3	0.25		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25			
	2.4	0.23		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23			
	2.5	0.22		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22			
	2.6	0.21		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21			
	2.7	0.19		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19			
	2.8	0.17		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17			
	2.9	0.14		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14			
	3.0	0.13		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13			
	3.1	0.10		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10			
	3.2	0.09		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09			
	3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09			
	3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06			
	3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05			
	3.6	0.03		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03			
	3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02			

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1	0.5	0.49	2	0.5	0.49	3	0.5	0.49	4	0.5	0.49	5	0.9	0.78	6	0.7	0.52
	0.6	0.48		0.6	0.48		0.6	0.48		0.6	0.48		1.0	0.54		0.8	0.32
	0.7	0.19		0.7	0.19		0.7	0.19		0.7	0.19		1.1	0.51		0.9	0.28
	0.8	0.14		0.8	0.14		0.8	0.14		0.8	0.14		1.2	0.49		1.0	0.26
	0.9	0.13		0.9	0.13		0.9	0.13		0.9	0.13		1.3	0.48		1.1	0.26
	1.0	0.12		1.0	0.12		1.0	0.12		1.0	0.12		1.4	0.46		1.2	0.26
	1.1	0.12		1.1	0.12		1.1	0.12		1.1	0.12		1.5	0.45		1.3	0.25
	1.2	0.12		1.2	0.12		1.2	0.12		1.2	0.12		1.6	0.43		1.4	0.25
	1.3	0.12		1.3	0.12		1.3	0.12		1.3	0.12		1.7	0.42		1.5	0.25
	1.4	0.12		1.4	0.12		1.4	0.12		1.4	0.12		1.8	0.40		1.6	0.25
	1.5	0.12		1.5	0.12		1.5	0.12		1.5	0.12		1.9	0.39		1.7	0.25
	1.6	0.12		1.6	0.12		1.6	0.12		1.6	0.12		2.0	0.38		1.8	0.24
	1.7	0.12		1.7	0.12		1.7	0.12		1.7	0.12		2.1	0.36		1.9	0.24
	1.8	0.12		1.8	0.12		1.8	0.12		1.8	0.12		2.2	0.35		2.0	0.24
	1.9	0.12		1.9	0.12		1.9	0.12		1.9	0.12		2.3	0.31		2.1	0.24
	2.0	0.12		2.0	0.12		2.0	0.12		2.0	0.12		2.4	0.28		2.2	0.23
	2.1	0.12		2.1	0.12		2.1	0.12		2.1	0.12		2.5	0.26		2.3	0.21
	2.2	0.12		2.2	0.12		2.2	0.12		2.2	0.12		2.6	0.23		2.4	0.19
	2.3	0.11		2.3	0.11		2.3	0.11		2.3	0.11		2.7	0.23		2.5	0.18
	2.4	0.10		2.4	0.10		2.4	0.10		2.4	0.10		2.8	0.21		2.6	0.17
	2.5	0.10		2.5	0.10		2.5	0.10		2.5	0.10		2.9	0.18		2.7	0.17
	2.6	0.09		2.6	0.09		2.6	0.09		2.6	0.09		3.0	0.15		2.8	0.16
	2.7	0.09		2.7	0.09		2.7	0.09		2.7	0.09		3.1	0.14		2.9	0.13
	2.8	0.08		2.8	0.08		2.8	0.08		2.8	0.08		3.2	0.13		3.0	0.11

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 79 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
	2.9	0.08		2.9	0.08		2.9	0.08		2.9	0.08		3.3	0.12		3.1	0.11
	3.0	0.07		3.0	0.07		3.0	0.07		3.0	0.07		3.4	0.08		3.2	0.10
	3.1	0.06		3.1	0.06		3.1	0.06		3.1	0.06		3.5	0.05		3.3	0.09
	3.2	0.05		3.2	0.05		3.2	0.05		3.2	0.05		3.6	0.02		3.4	0.07
	3.3	0.05		3.3	0.05		3.3	0.05		3.3	0.05		3.7	0.02		3.5	0.05
	3.4	0.04		3.4	0.04		3.4	0.04		3.4	0.04		3.8	0.02		3.6	0.04
7	0.7	0.53	8	0.7	0.53	9	0.8	0.73	10	0.8	0.73	11	0.7	0.53	12	0.9	0.78
	0.8	0.30		0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.30		1.0	0.54
	0.9	0.27		0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.27		1.1	0.51
	1.0	0.26		1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		1.2	0.49
	1.1	0.25		1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.25		1.3	0.48
	1.2	0.25		1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.4	0.46
	1.3	0.25		1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.5	0.45
	1.4	0.25		1.4	0.25		1.5	0.44		1.5	0.44		1.4	0.25		1.6	0.43
	1.5	0.25		1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.7	0.42
	1.6	0.24		1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.24		1.8	0.40
	1.7	0.24		1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.24		1.9	0.39
	1.8	0.24		1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		2.0	0.38
	1.9	0.23		1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.23		2.1	0.36
	2.0	0.23		2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.23		2.2	0.35
	2.1	0.23		2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.23		2.3	0.31
	2.2	0.22		2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.22		2.4	0.28
	2.3	0.20		2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.20		2.5	0.26
	2.4	0.18		2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.18		2.6	0.23
	2.5	0.17		2.5	0.17		2.6	0.23		2.6	0.23		2.5	0.17		2.7	0.23
	2.6	0.16		2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.16		2.8	0.21
	2.7	0.15		2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.15		2.9	0.18
	2.8	0.14		2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.14		3.0	0.15
	2.9	0.13		2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		3.1	0.14
	3.0	0.11		3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		3.2	0.13
	3.1	0.09		3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.09		3.3	0.12
	3.2	0.09		3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.09		3.4	0.08
	3.3	0.08		3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.08		3.5	0.05
	3.4	0.06		3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.06		3.6	0.02
	3.5	0.04		3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.04		3.7	0.02
	3.6	0.03		3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.8	0.02
13	0.7	0.53	14	0.8	0.73	15	0.8	0.73	16	0.7	0.52	17	0.6	0.53	18	0.6	0.53
	0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.32		0.7	0.38		0.7	0.38
	0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.28		0.8	0.28		0.8	0.28
	1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		0.9	0.25		0.9	0.25
	1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.26		1.0	0.24		1.0	0.24
	1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.26		1.1	0.23		1.1	0.23
	1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.2	0.23		1.2	0.23
	1.4	0.25		1.5	0.44		1.5	0.44		1.4	0.25		1.3	0.22		1.3	0.22
	1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.4	0.22		1.4	0.22
	1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.25		1.5	0.21		1.5	0.21
	1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.25		1.6	0.20		1.6	0.20
	1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		1.7	0.20		1.7	0.20
	1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.24		1.8	0.19		1.8	0.19
	2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.24		1.9	0.19		1.9	0.19
	2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.24		2.0	0.18		2.0	0.18
	2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.23		2.1	0.18		2.1	0.18
	2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.21		2.2	0.17		2.2	0.17
	2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.19		2.3	0.16		2.3	0.16
	2.5	0.17		2.6	0.23		2.6	0.23		2.5	0.18		2.4	0.15		2.4	0.15
	2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.17		2.5	0.14		2.5	0.14
	2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.17		2.6	0.13		2.6	0.13
	2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.16		2.7	0.12		2.7	0.12
	2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		2.8	0.11		2.8	0.11
	3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		2.9	0.11		2.9	0.11
	3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.11		3.0	0.09		3.0	0.09
	3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.10		3.1	0.07		3.1	0.07
	3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.09		3.2	0.06		3.2	0.06
	3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.07		3.3	0.06		3.3	0.06
	3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.05		3.4	0.04		3.4	0.04
	3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.04		3.5	0.04		3.5	0.04
19	0.6	0.53	20	0.6	0.53	21	0.8	0.66	22	0.7	0.52	23	0.9	0.70	24	0.9	0.78
	0.7	0.38		0.7	0.38		0.9	0.49		0.8	0.32		1.0	0.46		1.0	0.53
	0.8	0.28		0.8	0.28		1.0	0.45		0.9	0.28		1.1	0.43		1.1	0.51
	0.9	0.25		0.9	0.25		1.1	0.42		1.0	0.26		1.2	0.41		1.2	0.49
	1.0	0.24		1.0	0.24		1.2	0.40		1.1	0.26		1.3	0.39		1.3	0.47
	1.1	0.23		1.1	0.23		1.3	0.39		1.2	0.25		1.4	0.38		1.4	0.46
	1.2	0.23		1.2	0.23		1.4	0.38		1.3	0.25		1.5	0.37		1.5	0.44
	1.3	0.22		1.3	0.22		1.5	0.36		1.4	0.25		1.6	0.36		1.6	0.43
	1.4	0.22		1.4	0.22		1.6	0.35		1.5	0.25		1.7	0.35		1.7	0.41

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 80 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.5	0.21		1.5	0.21		1.7	0.34		1.6	0.25		1.8	0.34		1.8	0.40	
1.6	0.20		1.6	0.20		1.8	0.33		1.7	0.25		1.9	0.33		1.9	0.39	
1.7	0.20		1.7	0.20		1.9	0.32		1.8	0.24		2.0	0.32		2.0	0.37	
1.8	0.19		1.8	0.19		2.0	0.31		1.9	0.24		2.1	0.31		2.1	0.36	
1.9	0.19		1.9	0.19		2.1	0.30		2.0	0.24		2.2	0.30		2.2	0.35	
2.0	0.18		2.0	0.18		2.2	0.29		2.1	0.23		2.3	0.27		2.3	0.31	
2.1	0.18		2.1	0.18		2.3	0.26		2.2	0.23		2.4	0.25		2.4	0.28	
2.2	0.17		2.2	0.17		2.4	0.24		2.3	0.21		2.5	0.23		2.5	0.27	
2.3	0.16		2.3	0.16		2.5	0.22		2.4	0.19		2.6	0.22		2.6	0.25	
2.4	0.15		2.4	0.15		2.6	0.20		2.5	0.18		2.7	0.20		2.7	0.22	
2.5	0.14		2.5	0.14		2.7	0.19		2.6	0.17		2.8	0.18		2.8	0.20	
2.6	0.13		2.6	0.13		2.8	0.18		2.7	0.16		2.9	0.15		2.9	0.18	
2.7	0.12		2.7	0.12		2.9	0.16		2.8	0.15		3.0	0.13		3.0	0.14	
2.8	0.11		2.8	0.11		3.0	0.13		2.9	0.13		3.1	0.13		3.1	0.14	
2.9	0.11		2.9	0.11		3.1	0.11		3.0	0.11		3.2	0.11		3.2	0.12	
3.0	0.09		3.0	0.09		3.2	0.10		3.1	0.11		3.3	0.10		3.3	0.10	
3.1	0.07		3.1	0.07		3.3	0.09		3.2	0.10		3.4	0.07		3.4	0.07	
3.2	0.06		3.2	0.06		3.4	0.06		3.3	0.08		3.5	0.05		3.5	0.05	
3.3	0.06		3.3	0.06		3.5	0.05		3.4	0.07		3.6	0.03		3.6	0.02	
3.4	0.04		3.4	0.04		3.6	0.03		3.5	0.05		3.7	0.03		3.7	0.02	
3.5	0.04		3.5	0.04		3.7	0.03		3.6	0.04		3.8	0.02		3.8	0.02	
25	0.9	0.70	26	0.9	0.70	27	0.9	0.78	28	0.8	0.66	29	0.8	0.74	30	0.9	0.79
1.0	0.46		1.0	0.46		1.0	0.53		0.9	0.49		0.9	0.57		1.0	0.55	
1.1	0.43		1.1	0.43		1.1	0.51		1.0	0.45		1.0	0.54		1.1	0.52	
1.2	0.41		1.2	0.41		1.2	0.49		1.1	0.42		1.1	0.52		1.2	0.51	
1.3	0.40		1.3	0.39		1.3	0.47		1.2	0.40		1.2	0.50		1.3	0.49	
1.4	0.38		1.4	0.38		1.4	0.46		1.3	0.39		1.3	0.49		1.4	0.48	
1.5	0.37		1.5	0.37		1.5	0.44		1.4	0.38		1.4	0.47		1.5	0.46	
1.6	0.36		1.6	0.36		1.6	0.43		1.5	0.36		1.5	0.46		1.6	0.45	
1.7	0.35		1.7	0.35		1.7	0.41		1.6	0.35		1.6	0.44		1.7	0.43	
1.8	0.34		1.8	0.34		1.8	0.40		1.7	0.34		1.7	0.43		1.8	0.42	
1.9	0.33		1.9	0.33		1.9	0.39		1.8	0.33		1.8	0.41		1.9	0.41	
2.0	0.32		2.0	0.32		2.0	0.37		1.9	0.32		1.9	0.40		2.0	0.39	
2.1	0.31		2.1	0.31		2.1	0.36		2.0	0.31		2.0	0.38		2.1	0.38	
2.2	0.30		2.2	0.30		2.2	0.35		2.1	0.30		2.1	0.37		2.2	0.36	
2.3	0.27		2.3	0.27		2.3	0.31		2.2	0.29		2.2	0.35		2.3	0.33	
2.4	0.25		2.4	0.25		2.4	0.28		2.3	0.26		2.3	0.31		2.4	0.30	
2.5	0.23		2.5	0.23		2.5	0.27		2.4	0.24		2.4	0.29		2.5	0.28	
2.6	0.21		2.6	0.22		2.6	0.25		2.5	0.22		2.5	0.26		2.6	0.26	
2.7	0.20		2.7	0.20		2.7	0.22		2.6	0.20		2.6	0.23		2.7	0.22	
2.8	0.19		2.8	0.18		2.8	0.20		2.7	0.19		2.7	0.22		2.8	0.21	
2.9	0.16		2.9	0.15		2.9	0.18		2.8	0.18		2.8	0.20		2.9	0.19	
3.0	0.14		3.0	0.13		3.0	0.14		2.9	0.16		2.9	0.19		3.0	0.15	
3.1	0.13		3.1	0.13		3.1	0.14		3.0	0.13		3.0	0.15		3.1	0.14	
3.2	0.12		3.2	0.11		3.2	0.12		3.1	0.11		3.1	0.12		3.2	0.13	
3.3	0.11		3.3	0.10		3.3	0.10		3.2	0.10		3.2	0.11		3.3	0.10	
3.4	0.07		3.4	0.07		3.4	0.07		3.3	0.09		3.3	0.09		3.4	0.07	
3.5	0.05		3.5	0.05		3.5	0.05		3.4	0.06		3.4	0.06		3.5	0.05	
3.6	0.03		3.6	0.03		3.6	0.02		3.5	0.05		3.5	0.05		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.6	0.03		3.6	0.02		3.7	0.02	
3.8	0.03		3.8	0.02		3.8	0.02		3.7	0.03		3.7	0.02		3.8	0.02	
31	0.9	0.78	32	0.9	0.80	33	0.8	0.66	34	0.9	0.70	35	0.7	0.52	36	0.9	0.70
1.0	0.53		1.0	0.56		0.9	0.49		1.0	0.46		0.8	0.32		1.0	0.46	
1.1	0.51		1.1	0.53		1.0	0.45		1.1	0.43		0.9	0.28		1.1	0.43	
1.2	0.49		1.2	0.51		1.1	0.42		1.2	0.41		1.0	0.26		1.2	0.41	
1.3	0.47		1.3	0.50		1.2	0.40		1.3	0.39		1.1	0.26		1.3	0.40	
1.4	0.46		1.4	0.48		1.3	0.39		1.4	0.38		1.2	0.25		1.4	0.38	
1.5	0.44		1.5	0.47		1.4	0.38		1.5	0.37		1.3	0.25		1.5	0.37	
1.6	0.43		1.6	0.45		1.5	0.36		1.6	0.36		1.4	0.25		1.6	0.36	
1.7	0.41		1.7	0.44		1.6	0.35		1.7	0.35		1.5	0.25		1.7	0.35	
1.8	0.40		1.8	0.42		1.7	0.34		1.8	0.34		1.6	0.25		1.8	0.34	
1.9	0.39		1.9	0.41		1.8	0.33		1.9	0.33		1.7	0.25		1.9	0.33	
2.0	0.37		2.0	0.40		1.9	0.32		2.0	0.32		1.8	0.24		2.0	0.32	
2.1	0.36		2.1	0.38		2.0	0.31		2.1	0.31		1.9	0.24		2.1	0.31	
2.2	0.35		2.2	0.37		2.1	0.30		2.2	0.30		2.0	0.24		2.2	0.30	
2.3	0.31		2.3	0.32		2.2	0.29		2.3	0.27		2.1	0.23		2.3	0.27	
2.4	0.28		2.4	0.30		2.3	0.26		2.4	0.25		2.2	0.23		2.4	0.25	
2.5	0.27		2.5	0.27		2.4	0.24		2.5	0.23		2.3	0.21		2.5	0.23	
2.6	0.25		2.6	0.24		2.5	0.22		2.6	0.22		2.4	0.19		2.6	0.21	
2.7	0.22		2.7	0.23		2.6	0.20		2.7	0.20		2.5	0.18		2.7	0.20	
2.8	0.20		2.8	0.22		2.7	0.19		2.8	0.18		2.6	0.17		2.8	0.19	
2.9	0.18		2.9	0.19		2.8	0.18		2.9	0.15		2.7	0.16		2.9	0.16	
3.0	0.14		3.0	0.16		2.9	0.16		3.0	0.13		2.8	0.15		3.0	0.14	
3.1	0.14		3.1	0.14		3.0	0.13		3.1	0.13		2.9	0.13		3.1	0.13	
3.2	0.12		3.2	0.13		3.1	0.11		3.2	0.11		3.0	0.11		3.2	0.12	
3.3	0.10		3.3	0.12		3.2	0.10		3.3	0.10		3.1	0.11		3.3	0.11	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 81 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.4	0.07		3.4	0.08		3.3	0.09		3.4	0.07		3.2	0.10		3.4	0.07	
3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.3	0.08		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.4	0.07		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.5	0.05		3.7	0.03	
3.8	0.02		3.8	0.02		3.7	0.03		3.8	0.02		3.6	0.04		3.8	0.03	
37	0.9	0.79	38	0.9	0.78	39	0.8	0.74	40	0.9	0.70	41	0.8	0.66	42	0.8	0.65
	1.0	0.55		1.0	0.53		0.9	0.57		1.0	0.46		0.9	0.49		0.9	0.46
	1.1	0.52		1.1	0.51		1.0	0.54		1.1	0.43		1.0	0.45		1.0	0.42
	1.2	0.51		1.2	0.49		1.1	0.52		1.2	0.41		1.1	0.42		1.1	0.40
	1.3	0.49		1.3	0.47		1.2	0.50		1.3	0.39		1.2	0.40		1.2	0.38
	1.4	0.48		1.4	0.46		1.3	0.49		1.4	0.38		1.3	0.39		1.3	0.36
	1.5	0.46		1.5	0.44		1.4	0.47		1.5	0.37		1.4	0.38		1.4	0.34
	1.6	0.45		1.6	0.43		1.5	0.46		1.6	0.36		1.5	0.36		1.5	0.32
	1.7	0.43		1.7	0.41		1.6	0.44		1.7	0.35		1.6	0.35		1.6	0.31
	1.8	0.42		1.8	0.40		1.7	0.43		1.8	0.34		1.7	0.34		1.7	0.29
	1.9	0.41		1.9	0.39		1.8	0.41		1.9	0.33		1.8	0.33		1.8	0.28
	2.0	0.39		2.0	0.37		1.9	0.40		2.0	0.32		1.9	0.32		1.9	0.27
	2.1	0.38		2.1	0.36		2.0	0.38		2.1	0.31		2.0	0.31		2.0	0.26
	2.2	0.36		2.2	0.35		2.1	0.37		2.2	0.30		2.1	0.30		2.1	0.25
	2.3	0.33		2.3	0.31		2.2	0.35		2.3	0.27		2.2	0.29		2.2	0.24
	2.4	0.30		2.4	0.28		2.3	0.31		2.4	0.25		2.3	0.26		2.3	0.21
	2.5	0.28		2.5	0.27		2.4	0.29		2.5	0.23		2.4	0.24		2.4	0.20
	2.6	0.26		2.6	0.25		2.5	0.26		2.6	0.22		2.5	0.22		2.5	0.19
	2.7	0.22		2.7	0.22		2.6	0.23		2.7	0.20		2.6	0.20		2.6	0.17
	2.8	0.21		2.8	0.20		2.7	0.22		2.8	0.18		2.7	0.19		2.7	0.16
	2.9	0.19		2.9	0.18		2.8	0.20		2.9	0.15		2.8	0.18		2.8	0.15
	3.0	0.15		3.0	0.14		2.9	0.19		3.0	0.13		2.9	0.16		2.9	0.14
	3.1	0.14		3.1	0.14		3.0	0.15		3.1	0.13		3.0	0.13		3.0	0.12
	3.2	0.13		3.2	0.12		3.1	0.12		3.2	0.11		3.1	0.11		3.1	0.10
	3.3	0.10		3.3	0.10		3.2	0.11		3.3	0.10		3.2	0.10		3.2	0.09
	3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.3	0.09		3.3	0.07
	3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.4	0.06		3.4	0.06
	3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.5	0.05		3.5	0.04
	3.7	0.02		3.7	0.02		3.6	0.02		3.7	0.03		3.6	0.03		3.6	0.03
	3.8	0.02		3.8	0.02		3.7	0.02		3.8	0.02		3.7	0.03		3.7	0.03
43	0.8	0.70	44	0.8	0.73	45	0.7	0.54	46	0.8	0.66	47	0.8	0.71	48	0.8	0.74
	0.9	0.51		0.9	0.54		0.8	0.29		0.9	0.47		0.9	0.52		0.9	0.55
	1.0	0.48		1.0	0.51		0.9	0.26		1.0	0.43		1.0	0.49		1.0	0.52
	1.1	0.46		1.1	0.49		1.0	0.25		1.1	0.41		1.1	0.48		1.1	0.51
	1.2	0.44		1.2	0.47		1.1	0.24		1.2	0.39		1.2	0.46		1.2	0.49
	1.3	0.43		1.3	0.46		1.2	0.23		1.3	0.37		1.3	0.44		1.3	0.48
	1.4	0.41		1.4	0.44		1.3	0.23		1.4	0.35		1.4	0.43		1.4	0.46
	1.5	0.39		1.5	0.42		1.4	0.22		1.5	0.34		1.5	0.41		1.5	0.44
	1.6	0.37		1.6	0.41		1.5	0.22		1.6	0.32		1.6	0.39		1.6	0.43
	1.7	0.36		1.7	0.39		1.6	0.21		1.7	0.31		1.7	0.38		1.7	0.41
	1.8	0.34		1.8	0.38		1.7	0.21		1.8	0.30		1.8	0.36		1.8	0.40
	1.9	0.33		1.9	0.36		1.8	0.20		1.9	0.28		1.9	0.34		1.9	0.38
	2.0	0.31		2.0	0.35		1.9	0.20		2.0	0.27		2.0	0.33		2.0	0.36
	2.1	0.30		2.1	0.33		2.0	0.19		2.1	0.26		2.1	0.32		2.1	0.35
	2.2	0.29		2.2	0.32		2.1	0.19		2.2	0.25		2.2	0.30		2.2	0.34
	2.3	0.26		2.3	0.29		2.2	0.18		2.3	0.22		2.3	0.27		2.3	0.31
	2.4	0.24		2.4	0.26		2.3	0.16		2.4	0.21		2.4	0.25		2.4	0.27
	2.5	0.23		2.5	0.25		2.4	0.15		2.5	0.19		2.5	0.23		2.5	0.26
	2.6	0.22		2.6	0.24		2.5	0.14		2.6	0.18		2.6	0.22		2.6	0.24
	2.7	0.19		2.7	0.21		2.6	0.13		2.7	0.16		2.7	0.20		2.7	0.21
	2.8	0.18		2.8	0.19		2.7	0.12		2.8	0.15		2.8	0.19		2.8	0.19
	2.9	0.16		2.9	0.16		2.8	0.11		2.9	0.14		2.9	0.17		2.9	0.17
	3.0	0.14		3.0	0.14		2.9	0.11		3.0	0.13		3.0	0.15		3.0	0.15
	3.1	0.11		3.1	0.11		3.0	0.10		3.1	0.10		3.1	0.11		3.1	0.11
	3.2	0.10		3.2	0.10		3.1	0.07		3.2	0.10		3.2	0.10		3.2	0.10
	3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.09		3.3	0.09
	3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06
	3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05
	3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.02		3.6	0.02		3.6	0.02
	3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02
49	0.8	0.65	50	0.8	0.70	51	0.8	0.73	52	0.7	0.52	53	0.8	0.61	54	0.8	0.65
	0.9	0.46		0.9	0.51		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46
	1.0	0.42		1.0	0.48		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42
	1.1	0.40		1.1	0.46		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39
	1.2	0.38		1.2	0.44		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.38
	1.3	0.36		1.3	0.43		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36
	1.4	0.34		1.4	0.41		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34
	1.5	0.32		1.5	0.39		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33
	1.6	0.31		1.6	0.37		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31
	1.7	0.29		1.7	0.36		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 82 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.8	0.28		1.8	0.34		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29	
1.9	0.27		1.9	0.33		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28	
2.0	0.26		2.0	0.31		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27	
2.1	0.25		2.1	0.30		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26	
2.2	0.24		2.2	0.29		2.2	0.32		2.1	0.15		2.2	0.21		2.2	0.25	
2.3	0.21		2.3	0.26		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22	
2.4	0.20		2.4	0.24		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21	
2.5	0.19		2.5	0.23		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20	
2.6	0.17		2.6	0.22		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19	
2.7	0.16		2.7	0.19		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17	
2.8	0.15		2.8	0.18		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16	
2.9	0.14		2.9	0.16		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14	
3.0	0.12		3.0	0.14		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12	
3.1	0.10		3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10	
3.2	0.09		3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09	
3.3	0.07		3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08	
3.4	0.06		3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04	
3.6	0.03		3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02	
3.7	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02	
55	0.8	0.67	56	0.7	0.52	57	0.7	0.53	58	0.7	0.53	59	0.7	0.54	60	0.8	0.65
0.9	0.48		0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.29		0.9	0.46	
1.0	0.44		0.9	0.23		0.9	0.26		0.9	0.26		0.9	0.26		1.0	0.42	
1.1	0.42		1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.25		1.1	0.40	
1.2	0.40		1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.24		1.2	0.38	
1.3	0.38		1.2	0.20		1.2	0.24		1.2	0.25		1.2	0.23		1.3	0.36	
1.4	0.37		1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.23		1.4	0.34	
1.5	0.35		1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.22		1.5	0.32	
1.6	0.34		1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.22		1.6	0.31	
1.7	0.33		1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.21		1.7	0.29	
1.8	0.32		1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.21		1.8	0.28	
1.9	0.31		1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.20		1.9	0.27	
2.0	0.30		1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.20		2.0	0.26	
2.1	0.29		2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.19		2.1	0.25	
2.2	0.28		2.1	0.16		2.1	0.20		2.1	0.22		2.1	0.19		2.2	0.24	
2.3	0.26		2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.18		2.3	0.21	
2.4	0.23		2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.16		2.4	0.20	
2.5	0.22		2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.15		2.5	0.19	
2.6	0.21		2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.14		2.6	0.17	
2.7	0.19		2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.13		2.7	0.16	
2.8	0.17		2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.12		2.8	0.15	
2.9	0.14		2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.11		2.9	0.14	
3.0	0.13		2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.11		3.0	0.12	
3.1	0.10		3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.10		3.1	0.10	
3.2	0.09		3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.07		3.2	0.09	
3.3	0.09		3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07	
3.4	0.06		3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.06	
3.5	0.05		3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04	
3.6	0.03		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03	
3.7	0.02		3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03	
61	0.8	0.66	62	0.8	0.65	63	0.8	0.70	64	0.8	0.71	65	0.8	0.70	66	0.8	0.73
0.9	0.47		0.9	0.46		0.9	0.51		0.9	0.52		0.9	0.51		0.9	0.54	
1.0	0.43		1.0	0.42		1.0	0.48		1.0	0.49		1.0	0.48		1.0	0.51	
1.1	0.41		1.1	0.40		1.1	0.46		1.1	0.48		1.1	0.46		1.1	0.49	
1.2	0.39		1.2	0.38		1.2	0.44		1.2	0.46		1.2	0.44		1.2	0.47	
1.3	0.37		1.3	0.36		1.3	0.43		1.3	0.44		1.3	0.43		1.3	0.46	
1.4	0.35		1.4	0.34		1.4	0.41		1.4	0.43		1.4	0.41		1.4	0.44	
1.5	0.34		1.5	0.32		1.5	0.39		1.5	0.41		1.5	0.39		1.5	0.42	
1.6	0.32		1.6	0.31		1.6	0.37		1.6	0.39		1.6	0.37		1.6	0.41	
1.7	0.31		1.7	0.29		1.7	0.36		1.7	0.38		1.7	0.36		1.7	0.39	
1.8	0.30		1.8	0.28		1.8	0.34		1.8	0.36		1.8	0.34		1.8	0.38	
1.9	0.28		1.9	0.27		1.9	0.33		1.9	0.34		1.9	0.33		1.9	0.36	
2.0	0.27		2.0	0.26		2.0	0.31		2.0	0.33		2.0	0.31		2.0	0.35	
2.1	0.26		2.1	0.25		2.1	0.30		2.1	0.32		2.1	0.30		2.1	0.33	
2.2	0.25		2.2	0.24		2.2	0.29		2.2	0.30		2.2	0.29		2.2	0.32	
2.3	0.22		2.3	0.21		2.3	0.26		2.3	0.27		2.3	0.26		2.3	0.29	
2.4	0.21		2.4	0.20		2.4	0.24		2.4	0.25		2.4	0.24		2.4	0.26	
2.5	0.19		2.5	0.19		2.5	0.23		2.5	0.23		2.5	0.23		2.5	0.25	
2.6	0.18		2.6	0.17		2.6	0.22		2.6	0.22		2.6	0.22		2.6	0.24	
2.7	0.16		2.7	0.16		2.7	0.19		2.7	0.20		2.7	0.19		2.7	0.21	
2.8	0.15		2.8	0.15		2.8	0.18		2.8	0.19		2.8	0.18		2.8	0.19	
2.9	0.14		2.9	0.14		2.9	0.16		2.9	0.17		2.9	0.16		2.9	0.16	
3.0	0.13		3.0	0.12		3.0	0.14		3.0	0.15		3.0	0.14		3.0	0.14	
3.1	0.10		3.1	0.10		3.1	0.11		3.1	0.11		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.09		3.2	0.10		3.2	0.10		3.2	0.10		3.2	0.10	
3.3	0.07		3.3	0.07		3.3	0.09		3.3	0.09		3.3	0.09		3.3	0.09	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 83 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.4	0.05		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.03		3.6	0.02		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.7	0.02		3.7	0.02		3.7	0.02	
67	0.8	0.74	68	0.8	0.73	69	0.7	0.52	70	0.8	0.61	71	0.8	0.65	72	0.8	0.67
	0.9	0.55		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.48
	1.0	0.52		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44
	1.1	0.51		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42
	1.2	0.49		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.38		1.2	0.40
	1.3	0.48		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38
	1.4	0.46		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37
	1.5	0.44		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35
	1.6	0.43		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34
	1.7	0.41		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33
	1.8	0.40		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32
	1.9	0.38		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31
	2.0	0.36		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30
	2.1	0.35		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.29
	2.2	0.34		2.2	0.32		2.1	0.15		2.2	0.21		2.2	0.25		2.2	0.28
	2.3	0.31		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.26
	2.4	0.27		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23
	2.5	0.26		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22
	2.6	0.24		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21
	2.7	0.21		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19
	2.8	0.19		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17
	2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14
	3.0	0.15		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13
	3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10
	3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09
	3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09
	3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06
	3.5	0.05		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05
	3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03
	3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02
73	0.7	0.52	74	0.7	0.53	75	0.7	0.53	76	0.7	0.52	77	0.8	0.61	78	0.8	0.65
	0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.26		0.9	0.41		0.9	0.46
	0.9	0.23		0.9	0.26		0.9	0.26		0.9	0.23		1.0	0.37		1.0	0.42
	1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.21		1.1	0.34		1.1	0.39
	1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.20		1.2	0.32		1.2	0.38
	1.2	0.20		1.2	0.24		1.2	0.25		1.2	0.19		1.3	0.30		1.3	0.36
	1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.19		1.4	0.29		1.4	0.34
	1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.18		1.5	0.27		1.5	0.33
	1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.18		1.6	0.26		1.6	0.31
	1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.17		1.7	0.25		1.7	0.30
	1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.17		1.8	0.24		1.8	0.29
	1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.16		1.9	0.23		1.9	0.28
	1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.16		2.0	0.22		2.0	0.27
	2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.16		2.1	0.21		2.1	0.26
	2.1	0.16		2.1	0.20		2.1	0.22		2.1	0.15		2.2	0.21		2.2	0.25
	2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.15		2.3	0.19		2.3	0.22
	2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.14		2.4	0.17		2.4	0.21
	2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.13		2.5	0.16		2.5	0.20
	2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.12		2.6	0.15		2.6	0.19
	2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.11		2.7	0.14		2.7	0.17
	2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.11		2.8	0.13		2.8	0.16
	2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.10		2.9	0.12		2.9	0.14
	2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.09		3.0	0.11		3.0	0.12
	3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.08		3.1	0.09		3.1	0.10
	3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.06		3.2	0.08		3.2	0.09
	3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07		3.3	0.08
	3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.05		3.4	0.06
	3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04		3.5	0.04
	3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03		3.6	0.02
	3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03		3.7	0.02
79	0.8	0.67	80	0.7	0.52	81	0.8	0.61	82	0.8	0.65	83	0.8	0.67			
	0.9	0.48		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.48			
	1.0	0.44		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44			
	1.1	0.42		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42			
	1.2	0.40		1.1	0.20		1.2	0.32		1.2	0.38		1.2	0.40			
	1.3	0.38		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38			
	1.4	0.37		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37			
	1.5	0.35		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35			
	1.6	0.34		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34			
	1.7	0.33		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33			
	1.8	0.32		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32			

	PROGETTISTA 			COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA			RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar			Fg. 84 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Freq 2																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.9	0.31		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31				
2.0	0.30		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30				
2.1	0.29		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.29				
2.2	0.28		2.1	0.15		2.2	0.21		2.2	0.25		2.2	0.28				
2.3	0.26		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.26				
2.4	0.23		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23				
2.5	0.22		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22				
2.6	0.21		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21				
2.7	0.19		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19				
2.8	0.17		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17				
2.9	0.14		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14				
3.0	0.13		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13				
3.1	0.10		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10				
3.2	0.09		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09				
3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09				
3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06				
3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05				
3.6	0.03		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03				
3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02				

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1	0.5	0.49	2	0.5	0.49	3	0.5	0.49	4	0.5	0.49	5	0.9	0.78	6	0.7	0.52
	0.6	0.48		0.6	0.48		0.6	0.48		0.6	0.48		1.0	0.54		0.8	0.32
	0.7	0.19		0.7	0.19		0.7	0.19		0.7	0.19		1.1	0.51		0.9	0.28
	0.8	0.14		0.8	0.14		0.8	0.14		0.8	0.14		1.2	0.49		1.0	0.26
	0.9	0.13		0.9	0.13		0.9	0.13		0.9	0.13		1.3	0.47		1.1	0.26
	1.0	0.12		1.0	0.12		1.0	0.12		1.0	0.12		1.4	0.46		1.2	0.25
	1.1	0.12		1.1	0.12		1.1	0.12		1.1	0.12		1.5	0.44		1.3	0.25
	1.2	0.12		1.2	0.12		1.2	0.12		1.2	0.12		1.6	0.43		1.4	0.25
	1.3	0.12		1.3	0.12		1.3	0.12		1.3	0.12		1.7	0.42		1.5	0.25
	1.4	0.12		1.4	0.12		1.4	0.12		1.4	0.12		1.8	0.40		1.6	0.25
	1.5	0.12		1.5	0.12		1.5	0.12		1.5	0.12		1.9	0.39		1.7	0.25
	1.6	0.12		1.6	0.12		1.6	0.12		1.6	0.12		2.0	0.38		1.8	0.24
	1.7	0.12		1.7	0.12		1.7	0.12		1.7	0.12		2.1	0.36		1.9	0.24
	1.8	0.12		1.8	0.12		1.8	0.12		1.8	0.12		2.2	0.35		2.0	0.24
	1.9	0.12		1.9	0.12		1.9	0.12		1.9	0.12		2.3	0.30		2.1	0.24
	2.0	0.12		2.0	0.12		2.0	0.12		2.0	0.12		2.4	0.28		2.2	0.23
	2.1	0.12		2.1	0.12		2.1	0.12		2.1	0.12		2.5	0.26		2.3	0.21
	2.2	0.12		2.2	0.12		2.2	0.12		2.2	0.12		2.6	0.23		2.4	0.19
	2.3	0.11		2.3	0.11		2.3	0.11		2.3	0.11		2.7	0.23		2.5	0.18
	2.4	0.10		2.4	0.10		2.4	0.10		2.4	0.10		2.8	0.21		2.6	0.17
	2.5	0.10		2.5	0.10		2.5	0.10		2.5	0.10		2.9	0.18		2.7	0.17
	2.6	0.09		2.6	0.09		2.6	0.09		2.6	0.09		3.0	0.15		2.8	0.16
	2.7	0.09		2.7	0.09		2.7	0.09		2.7	0.09		3.1	0.14		2.9	0.13
	2.8	0.08		2.8	0.08		2.8	0.08		2.8	0.08		3.2	0.13		3.0	0.11
	2.9	0.08		2.9	0.08		2.9	0.08		2.9	0.08		3.3	0.12		3.1	0.11
	3.0	0.07		3.0	0.07		3.0	0.07		3.0	0.07		3.4	0.08		3.2	0.10
	3.1	0.06		3.1	0.06		3.1	0.06		3.1	0.06		3.5	0.05		3.3	0.09
	3.2	0.05		3.2	0.05		3.2	0.05		3.2	0.05		3.6	0.02		3.4	0.07
	3.3	0.05		3.3	0.05		3.3	0.05		3.3	0.05		3.7	0.02		3.5	0.05
	3.4	0.04		3.4	0.04		3.4	0.04		3.4	0.04		3.8	0.02		3.6	0.04

7	0.7	0.53	8	0.7	0.53	9	0.8	0.73	10	0.8	0.73	11	0.7	0.53	12	0.9	0.78
	0.8	0.30		0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.30		1.0	0.54
	0.9	0.27		0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.27		1.1	0.51
	1.0	0.26		1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		1.2	0.49
	1.1	0.25		1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.25		1.3	0.47
	1.2	0.25		1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.4	0.46
	1.3	0.25		1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.5	0.44
	1.4	0.25		1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.6	0.43
	1.5	0.25		1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.7	0.42
	1.6	0.24		1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.24		1.8	0.40
	1.7	0.24		1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.24		1.9	0.39
	1.8	0.24		1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		2.0	0.38
	1.9	0.23		1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.23		2.1	0.36
	2.0	0.23		2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.23		2.2	0.35
	2.1	0.23		2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.23		2.3	0.30
	2.2	0.22		2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.22		2.4	0.28
	2.3	0.20		2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.20		2.5	0.26
	2.4	0.18		2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.18		2.6	0.23
	2.5	0.17		2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.17		2.7	0.23
	2.6	0.16		2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.16		2.8	0.21
	2.7	0.15		2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.15		2.9	0.18
	2.8	0.14		2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.14		3.0	0.15
	2.9	0.13		2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		3.1	0.14

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 85 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.0	0.11		3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		3.2	0.13	
3.1	0.09		3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.09		3.3	0.12	
3.2	0.09		3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.09		3.4	0.08	
3.3	0.08		3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.08		3.5	0.05	
3.4	0.06		3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.06		3.6	0.02	
3.5	0.04		3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.04		3.7	0.02	
3.6	0.03		3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.8	0.02	
13	0.7	0.53	14	0.8	0.73	15	0.8	0.73	16	0.7	0.52	17	0.6	0.53	18	0.6	0.53
	0.8	0.30		0.9	0.56		0.9	0.56		0.8	0.32		0.7	0.38		0.7	0.38
	0.9	0.27		1.0	0.52		1.0	0.52		0.9	0.28		0.8	0.28		0.8	0.28
	1.0	0.26		1.1	0.50		1.1	0.50		1.0	0.26		0.9	0.25		0.9	0.25
	1.1	0.25		1.2	0.48		1.2	0.48		1.1	0.26		1.0	0.24		1.0	0.24
	1.2	0.25		1.3	0.47		1.3	0.47		1.2	0.25		1.1	0.23		1.1	0.23
	1.3	0.25		1.4	0.45		1.4	0.45		1.3	0.25		1.2	0.23		1.2	0.23
	1.4	0.25		1.5	0.43		1.5	0.43		1.4	0.25		1.3	0.22		1.3	0.22
	1.5	0.25		1.6	0.42		1.6	0.42		1.5	0.25		1.4	0.21		1.4	0.21
	1.6	0.24		1.7	0.41		1.7	0.41		1.6	0.25		1.5	0.21		1.5	0.21
	1.7	0.24		1.8	0.39		1.8	0.39		1.7	0.25		1.6	0.20		1.6	0.20
	1.8	0.24		1.9	0.38		1.9	0.38		1.8	0.24		1.7	0.20		1.7	0.20
	1.9	0.23		2.0	0.36		2.0	0.36		1.9	0.24		1.8	0.19		1.8	0.19
	2.0	0.23		2.1	0.35		2.1	0.35		2.0	0.24		1.9	0.19		1.9	0.19
	2.1	0.23		2.2	0.34		2.2	0.34		2.1	0.24		2.0	0.18		2.0	0.18
	2.2	0.22		2.3	0.30		2.3	0.30		2.2	0.23		2.1	0.18		2.1	0.18
	2.3	0.20		2.4	0.27		2.4	0.27		2.3	0.21		2.2	0.17		2.2	0.17
	2.4	0.18		2.5	0.25		2.5	0.25		2.4	0.19		2.3	0.16		2.3	0.16
	2.5	0.17		2.6	0.22		2.6	0.22		2.5	0.18		2.4	0.15		2.4	0.15
	2.6	0.16		2.7	0.21		2.7	0.21		2.6	0.17		2.5	0.14		2.5	0.14
	2.7	0.15		2.8	0.20		2.8	0.20		2.7	0.17		2.6	0.13		2.6	0.13
	2.8	0.14		2.9	0.18		2.9	0.18		2.8	0.16		2.7	0.12		2.7	0.12
	2.9	0.13		3.0	0.14		3.0	0.14		2.9	0.13		2.8	0.11		2.8	0.11
	3.0	0.11		3.1	0.12		3.1	0.12		3.0	0.11		2.9	0.11		2.9	0.11
	3.1	0.09		3.2	0.11		3.2	0.11		3.1	0.11		3.0	0.09		3.0	0.09
	3.2	0.09		3.3	0.09		3.3	0.09		3.2	0.10		3.1	0.07		3.1	0.07
	3.3	0.08		3.4	0.06		3.4	0.06		3.3	0.09		3.2	0.06		3.2	0.06
	3.4	0.06		3.5	0.05		3.5	0.05		3.4	0.07		3.3	0.06		3.3	0.06
	3.5	0.04		3.6	0.02		3.6	0.02		3.5	0.05		3.4	0.04		3.4	0.04
	3.6	0.03		3.7	0.02		3.7	0.02		3.6	0.04		3.5	0.04		3.5	0.04
19	0.6	0.53	20	0.6	0.53	21	0.8	0.66	22	0.7	0.52	23	0.9	0.69	24	0.9	0.77
	0.7	0.38		0.7	0.38		0.9	0.49		0.8	0.32		1.0	0.46		1.0	0.53
	0.8	0.28		0.8	0.28		1.0	0.45		0.9	0.28		1.1	0.43		1.1	0.51
	0.9	0.25		0.9	0.25		1.1	0.42		1.0	0.26		1.2	0.41		1.2	0.49
	1.0	0.24		1.0	0.24		1.2	0.40		1.1	0.26		1.3	0.39		1.3	0.47
	1.1	0.23		1.1	0.23		1.3	0.39		1.2	0.25		1.4	0.38		1.4	0.46
	1.2	0.23		1.2	0.23		1.4	0.38		1.3	0.25		1.5	0.37		1.5	0.44
	1.3	0.22		1.3	0.22		1.5	0.36		1.4	0.25		1.6	0.36		1.6	0.43
	1.4	0.22		1.4	0.22		1.6	0.35		1.5	0.25		1.7	0.35		1.7	0.41
	1.5	0.21		1.5	0.21		1.7	0.34		1.6	0.25		1.8	0.34		1.8	0.40
	1.6	0.20		1.6	0.20		1.8	0.33		1.7	0.24		1.9	0.33		1.9	0.39
	1.7	0.20		1.7	0.20		1.9	0.32		1.8	0.24		2.0	0.32		2.0	0.37
	1.8	0.19		1.8	0.19		2.0	0.31		1.9	0.24		2.1	0.31		2.1	0.36
	1.9	0.19		1.9	0.19		2.1	0.30		2.0	0.24		2.2	0.30		2.2	0.35
	2.0	0.18		2.0	0.18		2.2	0.29		2.1	0.23		2.3	0.27		2.3	0.31
	2.1	0.18		2.1	0.18		2.3	0.26		2.2	0.23		2.4	0.25		2.4	0.28
	2.2	0.17		2.2	0.17		2.4	0.24		2.3	0.21		2.5	0.23		2.5	0.26
	2.3	0.16		2.3	0.16		2.5	0.22		2.4	0.19		2.6	0.22		2.6	0.25
	2.4	0.15		2.4	0.15		2.6	0.20		2.5	0.18		2.7	0.19		2.7	0.22
	2.5	0.14		2.5	0.14		2.7	0.19		2.6	0.17		2.8	0.18		2.8	0.20
	2.6	0.13		2.6	0.13		2.8	0.18		2.7	0.16		2.9	0.15		2.9	0.17
	2.7	0.12		2.7	0.12		2.9	0.16		2.8	0.15		3.0	0.13		3.0	0.14
	2.8	0.11		2.8	0.11		3.0	0.13		2.9	0.13		3.1	0.13		3.1	0.14
	2.9	0.11		2.9	0.11		3.1	0.11		3.0	0.11		3.2	0.11		3.2	0.12
	3.0	0.09		3.0	0.09		3.2	0.10		3.1	0.11		3.3	0.10		3.3	0.10
	3.1	0.07		3.1	0.07		3.3	0.09		3.2	0.10		3.4	0.07		3.4	0.07
	3.2	0.06		3.2	0.06		3.4	0.06		3.3	0.08		3.5	0.05		3.5	0.05
	3.3	0.06		3.3	0.06		3.5	0.05		3.4	0.07		3.6	0.03		3.6	0.02
	3.4	0.04		3.4	0.04		3.6	0.03		3.5	0.05		3.7	0.03		3.7	0.02
	3.5	0.04		3.5	0.04		3.7	0.03		3.6	0.04		3.8	0.02		3.8	0.02
25	0.9	0.70	26	0.9	0.69	27	0.9	0.77	28	0.8	0.66	29	0.8	0.74	30	0.9	0.79
	1.0	0.46		1.0	0.46		1.0	0.53		0.9	0.49		0.9	0.57		1.0	0.55
	1.1	0.43		1.1	0.43		1.1	0.51		1.0	0.45		1.0	0.54		1.1	0.52
	1.2	0.41		1.2	0.41		1.2	0.49		1.1	0.42		1.1	0.52		1.2	0.51
	1.3	0.40		1.3	0.39		1.3	0.47		1.2	0.40		1.2	0.50		1.3	0.49
	1.4	0.38		1.4	0.38		1.4	0.46		1.3	0.39		1.3	0.49		1.4	0.48
	1.5	0.37		1.5	0.37		1.5	0.44		1.4	0.38		1.4	0.47		1.5	0.46
	1.6	0.36		1.6	0.36		1.6	0.43		1.5	0.36		1.5	0.46		1.6	0.45

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 86 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.7	0.35		1.7	0.35		1.7	0.41		1.6	0.35		1.6	0.44		1.7	0.43	
1.8	0.34		1.8	0.34		1.8	0.40		1.7	0.34		1.7	0.43		1.8	0.42	
1.9	0.33		1.9	0.33		1.9	0.39		1.8	0.33		1.8	0.41		1.9	0.41	
2.0	0.32		2.0	0.32		2.0	0.37		1.9	0.32		1.9	0.40		2.0	0.39	
2.1	0.31		2.1	0.31		2.1	0.36		2.0	0.31		2.0	0.38		2.1	0.38	
2.2	0.30		2.2	0.30		2.2	0.35		2.1	0.30		2.1	0.37		2.2	0.36	
2.3	0.27		2.3	0.27		2.3	0.31		2.2	0.29		2.2	0.35		2.3	0.33	
2.4	0.25		2.4	0.25		2.4	0.28		2.3	0.26		2.3	0.31		2.4	0.30	
2.5	0.23		2.5	0.23		2.5	0.26		2.4	0.24		2.4	0.29		2.5	0.27	
2.6	0.21		2.6	0.22		2.6	0.25		2.5	0.22		2.5	0.26		2.6	0.26	
2.7	0.20		2.7	0.19		2.7	0.22		2.6	0.20		2.6	0.23		2.7	0.22	
2.8	0.19		2.8	0.18		2.8	0.20		2.7	0.19		2.7	0.22		2.8	0.21	
2.9	0.16		2.9	0.15		2.9	0.17		2.8	0.18		2.8	0.20		2.9	0.19	
3.0	0.14		3.0	0.13		3.0	0.14		2.9	0.16		2.9	0.19		3.0	0.14	
3.1	0.13		3.1	0.13		3.1	0.14		3.0	0.13		3.0	0.15		3.1	0.14	
3.2	0.12		3.2	0.11		3.2	0.12		3.1	0.11		3.1	0.12		3.2	0.13	
3.3	0.11		3.3	0.10		3.3	0.10		3.2	0.10		3.2	0.11		3.3	0.10	
3.4	0.07		3.4	0.07		3.4	0.07		3.3	0.09		3.3	0.09		3.4	0.07	
3.5	0.05		3.5	0.05		3.5	0.05		3.4	0.06		3.4	0.06		3.5	0.05	
3.6	0.03		3.6	0.03		3.6	0.02		3.5	0.05		3.5	0.04		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.6	0.03		3.6	0.02		3.7	0.02	
3.8	0.03		3.8	0.02		3.8	0.02		3.7	0.03		3.7	0.02		3.8	0.02	
31	0.9	0.77	32	0.9	0.80	33	0.8	0.66	34	0.9	0.69	35	0.7	0.52	36	0.9	0.70
1.0	0.53		1.0	0.55		0.9	0.49		1.0	0.46		0.8	0.32		1.0	0.46	
1.1	0.51		1.1	0.53		1.0	0.45		1.1	0.43		0.9	0.28		1.1	0.43	
1.2	0.49		1.2	0.51		1.1	0.42		1.2	0.41		1.0	0.26		1.2	0.41	
1.3	0.47		1.3	0.50		1.2	0.40		1.3	0.39		1.1	0.26		1.3	0.40	
1.4	0.46		1.4	0.48		1.3	0.39		1.4	0.38		1.2	0.25		1.4	0.38	
1.5	0.44		1.5	0.47		1.4	0.38		1.5	0.37		1.3	0.25		1.5	0.37	
1.6	0.43		1.6	0.45		1.5	0.36		1.6	0.36		1.4	0.25		1.6	0.36	
1.7	0.41		1.7	0.44		1.6	0.35		1.7	0.35		1.5	0.25		1.7	0.35	
1.8	0.40		1.8	0.42		1.7	0.34		1.8	0.34		1.6	0.25		1.8	0.34	
1.9	0.39		1.9	0.41		1.8	0.33		1.9	0.33		1.7	0.24		1.9	0.33	
2.0	0.37		2.0	0.39		1.9	0.32		2.0	0.32		1.8	0.24		2.0	0.32	
2.1	0.36		2.1	0.38		2.0	0.31		2.1	0.31		1.9	0.24		2.1	0.31	
2.2	0.35		2.2	0.37		2.1	0.30		2.2	0.30		2.0	0.24		2.2	0.30	
2.3	0.31		2.3	0.32		2.2	0.29		2.3	0.27		2.1	0.23		2.3	0.27	
2.4	0.28		2.4	0.30		2.3	0.26		2.4	0.25		2.2	0.23		2.4	0.25	
2.5	0.26		2.5	0.27		2.4	0.24		2.5	0.23		2.3	0.21		2.5	0.23	
2.6	0.25		2.6	0.24		2.5	0.22		2.6	0.22		2.4	0.19		2.6	0.21	
2.7	0.22		2.7	0.23		2.6	0.20		2.7	0.19		2.5	0.18		2.7	0.20	
2.8	0.20		2.8	0.22		2.7	0.19		2.8	0.18		2.6	0.17		2.8	0.19	
2.9	0.17		2.9	0.19		2.8	0.18		2.9	0.15		2.7	0.16		2.9	0.16	
3.0	0.14		3.0	0.16		2.9	0.16		3.0	0.13		2.8	0.15		3.0	0.14	
3.1	0.14		3.1	0.14		3.0	0.13		3.1	0.13		2.9	0.13		3.1	0.13	
3.2	0.12		3.2	0.13		3.1	0.11		3.2	0.11		3.0	0.11		3.2	0.12	
3.3	0.10		3.3	0.12		3.2	0.10		3.3	0.10		3.1	0.11		3.3	0.11	
3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.2	0.10		3.4	0.07	
3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.3	0.08		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.05		3.6	0.03		3.4	0.07		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.5	0.05		3.7	0.03	
3.8	0.02		3.8	0.02		3.7	0.03		3.8	0.02		3.6	0.04		3.8	0.03	
37	0.9	0.79	38	0.9	0.77	39	0.8	0.74	40	0.9	0.69	41	0.8	0.66	42	0.8	0.65
1.0	0.55		1.0	0.53		0.9	0.57		1.0	0.46		0.9	0.49		0.9	0.46	
1.1	0.52		1.1	0.51		1.0	0.54		1.1	0.43		1.0	0.45		1.0	0.42	
1.2	0.51		1.2	0.49		1.1	0.52		1.2	0.41		1.1	0.42		1.1	0.40	
1.3	0.49		1.3	0.47		1.2	0.50		1.3	0.39		1.2	0.40		1.2	0.37	
1.4	0.48		1.4	0.46		1.3	0.49		1.4	0.38		1.3	0.39		1.3	0.36	
1.5	0.46		1.5	0.44		1.4	0.47		1.5	0.37		1.4	0.38		1.4	0.34	
1.6	0.45		1.6	0.43		1.5	0.46		1.6	0.36		1.5	0.36		1.5	0.32	
1.7	0.43		1.7	0.41		1.6	0.44		1.7	0.35		1.6	0.35		1.6	0.31	
1.8	0.42		1.8	0.40		1.7	0.43		1.8	0.34		1.7	0.34		1.7	0.29	
1.9	0.41		1.9	0.39		1.8	0.41		1.9	0.33		1.8	0.33		1.8	0.28	
2.0	0.39		2.0	0.37		1.9	0.40		2.0	0.32		1.9	0.32		1.9	0.27	
2.1	0.38		2.1	0.36		2.0	0.38		2.1	0.31		2.0	0.31		2.0	0.26	
2.2	0.36		2.2	0.35		2.1	0.37		2.2	0.30		2.1	0.30		2.1	0.25	
2.3	0.33		2.3	0.31		2.2	0.35		2.3	0.27		2.2	0.29		2.2	0.24	
2.4	0.30		2.4	0.28		2.3	0.31		2.4	0.25		2.3	0.26		2.3	0.21	
2.5	0.27		2.5	0.26		2.4	0.29		2.5	0.23		2.4	0.24		2.4	0.20	
2.6	0.26		2.6	0.25		2.5	0.26		2.6	0.22		2.5	0.22		2.5	0.19	
2.7	0.22		2.7	0.22		2.6	0.23		2.7	0.19		2.6	0.20		2.6	0.17	
2.8	0.21		2.8	0.20		2.7	0.22		2.8	0.18		2.7	0.19		2.7	0.16	
2.9	0.19		2.9	0.17		2.8	0.20		2.9	0.15		2.8	0.18		2.8	0.15	
3.0	0.14		3.0	0.14		2.9	0.19		3.0	0.13		2.9	0.16		2.9	0.14	
3.1	0.14		3.1	0.14		3.0	0.15		3.1	0.13		3.0	0.13		3.0	0.12	
3.2	0.13		3.2	0.12		3.1	0.12		3.2	0.11		3.1	0.11		3.1	0.10	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 87 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.3	0.10		3.3	0.10		3.2	0.11		3.3	0.10		3.2	0.10		3.2	0.09	
3.4	0.07		3.4	0.07		3.3	0.09		3.4	0.07		3.3	0.09		3.3	0.07	
3.5	0.05		3.5	0.05		3.4	0.06		3.5	0.05		3.4	0.06		3.4	0.06	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.5	0.05		3.5	0.04	
3.7	0.02		3.7	0.02		3.6	0.02		3.7	0.03		3.6	0.03		3.6	0.03	
3.8	0.02		3.8	0.02		3.7	0.02		3.8	0.02		3.7	0.03		3.7	0.03	
43	0.8	0.70	44	0.8	0.72	45	0.7	0.54	46	0.8	0.66	47	0.8	0.70	48	0.8	0.73
	0.9	0.51		0.9	0.54		0.8	0.29		0.9	0.47		0.9	0.52		0.9	0.55
	1.0	0.48		1.0	0.51		0.9	0.26		1.0	0.43		1.0	0.49		1.0	0.52
	1.1	0.46		1.1	0.49		1.0	0.25		1.1	0.41		1.1	0.47		1.1	0.50
	1.2	0.44		1.2	0.47		1.1	0.24		1.2	0.39		1.2	0.46		1.2	0.49
	1.3	0.42		1.3	0.46		1.2	0.23		1.3	0.37		1.3	0.44		1.3	0.47
	1.4	0.41		1.4	0.44		1.3	0.23		1.4	0.35		1.4	0.43		1.4	0.46
	1.5	0.39		1.5	0.42		1.4	0.22		1.5	0.34		1.5	0.41		1.5	0.44
	1.6	0.37		1.6	0.41		1.5	0.22		1.6	0.32		1.6	0.39		1.6	0.43
	1.7	0.36		1.7	0.39		1.6	0.21		1.7	0.31		1.7	0.38		1.7	0.41
	1.8	0.34		1.8	0.38		1.7	0.21		1.8	0.30		1.8	0.36		1.8	0.39
	1.9	0.33		1.9	0.36		1.8	0.20		1.9	0.28		1.9	0.34		1.9	0.38
	2.0	0.31		2.0	0.35		1.9	0.20		2.0	0.27		2.0	0.33		2.0	0.36
	2.1	0.30		2.1	0.33		2.0	0.19		2.1	0.26		2.1	0.32		2.1	0.35
	2.2	0.29		2.2	0.32		2.1	0.19		2.2	0.25		2.2	0.30		2.2	0.34
	2.3	0.26		2.3	0.29		2.2	0.18		2.3	0.22		2.3	0.27		2.3	0.31
	2.4	0.24		2.4	0.26		2.3	0.16		2.4	0.21		2.4	0.24		2.4	0.27
	2.5	0.23		2.5	0.25		2.4	0.15		2.5	0.19		2.5	0.23		2.5	0.26
	2.6	0.22		2.6	0.24		2.5	0.14		2.6	0.18		2.6	0.22		2.6	0.24
	2.7	0.19		2.7	0.21		2.6	0.13		2.7	0.16		2.7	0.19		2.7	0.21
	2.8	0.18		2.8	0.19		2.7	0.12		2.8	0.15		2.8	0.19		2.8	0.19
	2.9	0.16		2.9	0.16		2.8	0.11		2.9	0.14		2.9	0.17		2.9	0.17
	3.0	0.14		3.0	0.14		2.9	0.11		3.0	0.13		3.0	0.15		3.0	0.15
	3.1	0.11		3.1	0.11		3.0	0.09		3.1	0.10		3.1	0.11		3.1	0.11
	3.2	0.10		3.2	0.10		3.1	0.07		3.2	0.10		3.2	0.10		3.2	0.10
	3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.09		3.3	0.09
	3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06
	3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05
	3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.02		3.6	0.02		3.6	0.02
	3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02
49	0.8	0.65	50	0.8	0.70	51	0.8	0.72	52	0.7	0.52	53	0.8	0.61	54	0.8	0.65
	0.9	0.46		0.9	0.51		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46
	1.0	0.42		1.0	0.48		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42
	1.1	0.40		1.1	0.46		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39
	1.2	0.37		1.2	0.44		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.37
	1.3	0.36		1.3	0.42		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36
	1.4	0.34		1.4	0.41		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34
	1.5	0.32		1.5	0.39		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33
	1.6	0.31		1.6	0.37		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31
	1.7	0.29		1.7	0.36		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30
	1.8	0.28		1.8	0.34		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29
	1.9	0.27		1.9	0.33		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28
	2.0	0.26		2.0	0.31		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27
	2.1	0.25		2.1	0.30		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26
	2.2	0.24		2.2	0.29		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25
	2.3	0.21		2.3	0.26		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22
	2.4	0.20		2.4	0.24		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21
	2.5	0.19		2.5	0.23		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20
	2.6	0.17		2.6	0.22		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19
	2.7	0.16		2.7	0.19		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17
	2.8	0.15		2.8	0.18		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16
	2.9	0.14		2.9	0.16		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14
	3.0	0.12		3.0	0.14		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12
	3.1	0.10		3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10
	3.2	0.09		3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09
	3.3	0.07		3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08
	3.4	0.06		3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06
	3.5	0.04		3.5	0.04		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04
	3.6	0.03		3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02
	3.7	0.03		3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02
55	0.8	0.67	56	0.7	0.52	57	0.7	0.53	58	0.7	0.53	59	0.7	0.54	60	0.8	0.65
	0.9	0.47		0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.29		0.9	0.46
	1.0	0.44		0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.26		1.0	0.42
	1.1	0.42		1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.25		1.1	0.40
	1.2	0.40		1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.24		1.2	0.37
	1.3	0.38		1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.23		1.3	0.36
	1.4	0.37		1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.23		1.4	0.34
	1.5	0.35		1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.22		1.5	0.32
	1.6	0.34		1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.22		1.6	0.31

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 88 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE: Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
1.7	0.33		1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.21		1.7	0.29	
1.8	0.32		1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.21		1.8	0.28	
1.9	0.31		1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.20		1.9	0.27	
2.0	0.30		1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.20		2.0	0.26	
2.1	0.28		2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.19		2.1	0.25	
2.2	0.28		2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.19		2.2	0.24	
2.3	0.25		2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.18		2.3	0.21	
2.4	0.23		2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.16		2.4	0.20	
2.5	0.22		2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.15		2.5	0.19	
2.6	0.21		2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.14		2.6	0.17	
2.7	0.19		2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.13		2.7	0.16	
2.8	0.17		2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.12		2.8	0.15	
2.9	0.14		2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.11		2.9	0.14	
3.0	0.13		2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.11		3.0	0.12	
3.1	0.10		3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.09		3.1	0.10	
3.2	0.09		3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.07		3.2	0.09	
3.3	0.09		3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07	
3.4	0.06		3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.06	
3.5	0.05		3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04	
3.6	0.03		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03	
3.7	0.02		3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03	
61	0.8	0.66	62	0.8	0.65	63	0.8	0.70	64	0.8	0.70	65	0.8	0.70	66	0.8	0.72
0.9	0.47		0.9	0.46		0.9	0.51		0.9	0.52		0.9	0.51		0.9	0.54	
1.0	0.43		1.0	0.42		1.0	0.48		1.0	0.49		1.0	0.48		1.0	0.51	
1.1	0.41		1.1	0.40		1.1	0.46		1.1	0.47		1.1	0.46		1.1	0.49	
1.2	0.39		1.2	0.37		1.2	0.44		1.2	0.46		1.2	0.44		1.2	0.47	
1.3	0.37		1.3	0.36		1.3	0.42		1.3	0.44		1.3	0.42		1.3	0.46	
1.4	0.35		1.4	0.34		1.4	0.41		1.4	0.43		1.4	0.41		1.4	0.44	
1.5	0.34		1.5	0.32		1.5	0.39		1.5	0.41		1.5	0.39		1.5	0.42	
1.6	0.32		1.6	0.31		1.6	0.37		1.6	0.39		1.6	0.37		1.6	0.41	
1.7	0.31		1.7	0.29		1.7	0.36		1.7	0.38		1.7	0.36		1.7	0.39	
1.8	0.30		1.8	0.28		1.8	0.34		1.8	0.36		1.8	0.34		1.8	0.38	
1.9	0.28		1.9	0.27		1.9	0.33		1.9	0.34		1.9	0.33		1.9	0.36	
2.0	0.27		2.0	0.26		2.0	0.31		2.0	0.33		2.0	0.31		2.0	0.35	
2.1	0.26		2.1	0.25		2.1	0.30		2.1	0.32		2.1	0.30		2.1	0.33	
2.2	0.25		2.2	0.24		2.2	0.29		2.2	0.30		2.2	0.29		2.2	0.32	
2.3	0.22		2.3	0.21		2.3	0.26		2.3	0.27		2.3	0.26		2.3	0.29	
2.4	0.21		2.4	0.20		2.4	0.24		2.4	0.24		2.4	0.24		2.4	0.26	
2.5	0.19		2.5	0.19		2.5	0.23		2.5	0.23		2.5	0.23		2.5	0.25	
2.6	0.18		2.6	0.17		2.6	0.22		2.6	0.22		2.6	0.22		2.6	0.24	
2.7	0.16		2.7	0.16		2.7	0.19		2.7	0.19		2.7	0.19		2.7	0.21	
2.8	0.15		2.8	0.15		2.8	0.18		2.8	0.19		2.8	0.18		2.8	0.19	
2.9	0.14		2.9	0.14		2.9	0.16		2.9	0.17		2.9	0.16		2.9	0.16	
3.0	0.13		3.0	0.12		3.0	0.14		3.0	0.15		3.0	0.14		3.0	0.14	
3.1	0.10		3.1	0.10		3.1	0.11		3.1	0.11		3.1	0.11		3.1	0.11	
3.2	0.10		3.2	0.09		3.2	0.10		3.2	0.10		3.2	0.10		3.2	0.10	
3.3	0.07		3.3	0.07		3.3	0.09		3.3	0.09		3.3	0.09		3.3	0.09	
3.4	0.05		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06		3.4	0.06	
3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.03		3.6	0.02		3.6	0.02		3.6	0.02		3.6	0.02	
3.7	0.03		3.7	0.03		3.7	0.02		3.7	0.02		3.7	0.02		3.7	0.02	
67	0.8	0.73	68	0.8	0.72	69	0.7	0.52	70	0.8	0.61	71	0.8	0.65	72	0.8	0.67
0.9	0.55		0.9	0.54		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.47	
1.0	0.52		1.0	0.51		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44	
1.1	0.50		1.1	0.49		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42	
1.2	0.49		1.2	0.47		1.1	0.20		1.2	0.32		1.2	0.37		1.2	0.40	
1.3	0.47		1.3	0.46		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38	
1.4	0.46		1.4	0.44		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37	
1.5	0.44		1.5	0.42		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35	
1.6	0.43		1.6	0.41		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34	
1.7	0.41		1.7	0.39		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33	
1.8	0.39		1.8	0.38		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32	
1.9	0.38		1.9	0.36		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31	
2.0	0.36		2.0	0.35		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30	
2.1	0.35		2.1	0.33		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28	
2.2	0.34		2.2	0.32		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28	
2.3	0.31		2.3	0.29		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25	
2.4	0.27		2.4	0.26		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23	
2.5	0.26		2.5	0.25		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22	
2.6	0.24		2.6	0.24		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21	
2.7	0.21		2.7	0.21		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19	
2.8	0.19		2.8	0.19		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17	
2.9	0.17		2.9	0.16		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14	
3.0	0.15		3.0	0.14		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13	
3.1	0.11		3.1	0.11		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10	
3.2	0.10		3.2	0.10		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09	

	PROGETTISTA 	COMMESSA NR/13167	COD. TECNICO 16153
	LOCALITA' REGIONE PUGLIA	RE-GFN-114	
	PROGETTO/IMPIANTO METANODOTTO: INTERCONNESSIONE TAP DN 1400 (56") DP 75 bar	Fg. 89 di 89	Rev. 0

Rif. TFM: 011014-50-RC-E-2056

STATO TENSIONALE NEL TERRENO - COMBINAZIONE:Perm 1																	
Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq	Filo N.ro	Quota m	Tens. kg/cmq
3.3	0.09		3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09	
3.4	0.06		3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06	
3.5	0.05		3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05	
3.6	0.02		3.6	0.02		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03	
3.7	0.02		3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02	
73	0.7	0.52	74	0.7	0.53	75	0.7	0.53	76	0.7	0.52	77	0.8	0.61	78	0.8	0.65
	0.8	0.27		0.8	0.28		0.8	0.29		0.8	0.26		0.9	0.41		0.9	0.46
	0.9	0.23		0.9	0.25		0.9	0.26		0.9	0.23		1.0	0.37		1.0	0.42
	1.0	0.22		1.0	0.24		1.0	0.25		1.0	0.21		1.1	0.34		1.1	0.39
	1.1	0.21		1.1	0.24		1.1	0.25		1.1	0.20		1.2	0.32		1.2	0.37
	1.2	0.20		1.2	0.23		1.2	0.25		1.2	0.19		1.3	0.30		1.3	0.36
	1.3	0.19		1.3	0.23		1.3	0.25		1.3	0.19		1.4	0.29		1.4	0.34
	1.4	0.19		1.4	0.23		1.4	0.24		1.4	0.18		1.5	0.27		1.5	0.33
	1.5	0.18		1.5	0.22		1.5	0.24		1.5	0.18		1.6	0.26		1.6	0.31
	1.6	0.18		1.6	0.22		1.6	0.24		1.6	0.17		1.7	0.25		1.7	0.30
	1.7	0.18		1.7	0.21		1.7	0.23		1.7	0.17		1.8	0.24		1.8	0.29
	1.8	0.17		1.8	0.21		1.8	0.23		1.8	0.16		1.9	0.23		1.9	0.28
	1.9	0.17		1.9	0.20		1.9	0.22		1.9	0.16		2.0	0.22		2.0	0.27
	2.0	0.16		2.0	0.20		2.0	0.22		2.0	0.16		2.1	0.21		2.1	0.26
	2.1	0.16		2.1	0.19		2.1	0.22		2.1	0.15		2.2	0.20		2.2	0.25
	2.2	0.16		2.2	0.19		2.2	0.21		2.2	0.15		2.3	0.19		2.3	0.22
	2.3	0.14		2.3	0.17		2.3	0.20		2.3	0.14		2.4	0.17		2.4	0.21
	2.4	0.13		2.4	0.16		2.4	0.17		2.4	0.13		2.5	0.16		2.5	0.20
	2.5	0.13		2.5	0.15		2.5	0.17		2.5	0.12		2.6	0.15		2.6	0.19
	2.6	0.12		2.6	0.15		2.6	0.16		2.6	0.11		2.7	0.14		2.7	0.17
	2.7	0.11		2.7	0.13		2.7	0.15		2.7	0.11		2.8	0.13		2.8	0.16
	2.8	0.10		2.8	0.13		2.8	0.13		2.8	0.10		2.9	0.12		2.9	0.14
	2.9	0.10		2.9	0.11		2.9	0.12		2.9	0.09		3.0	0.11		3.0	0.12
	3.0	0.09		3.0	0.10		3.0	0.11		3.0	0.08		3.1	0.09		3.1	0.10
	3.1	0.07		3.1	0.08		3.1	0.08		3.1	0.06		3.2	0.08		3.2	0.09
	3.2	0.07		3.2	0.08		3.2	0.08		3.2	0.06		3.3	0.07		3.3	0.08
	3.3	0.06		3.3	0.07		3.3	0.07		3.3	0.06		3.4	0.05		3.4	0.06
	3.4	0.05		3.4	0.05		3.4	0.05		3.4	0.04		3.5	0.04		3.5	0.04
	3.5	0.04		3.5	0.04		3.5	0.04		3.5	0.04		3.6	0.03		3.6	0.02
	3.6	0.03		3.6	0.03		3.6	0.03		3.6	0.03		3.7	0.03		3.7	0.02
79	0.8	0.67	80	0.7	0.52	81	0.8	0.61	82	0.8	0.65	83	0.8	0.67			
	0.9	0.47		0.8	0.26		0.9	0.41		0.9	0.46		0.9	0.47			
	1.0	0.44		0.9	0.23		1.0	0.37		1.0	0.42		1.0	0.44			
	1.1	0.42		1.0	0.21		1.1	0.34		1.1	0.39		1.1	0.42			
	1.2	0.40		1.1	0.20		1.2	0.32		1.2	0.37		1.2	0.40			
	1.3	0.38		1.2	0.19		1.3	0.30		1.3	0.36		1.3	0.38			
	1.4	0.37		1.3	0.19		1.4	0.29		1.4	0.34		1.4	0.37			
	1.5	0.35		1.4	0.18		1.5	0.27		1.5	0.33		1.5	0.35			
	1.6	0.34		1.5	0.18		1.6	0.26		1.6	0.31		1.6	0.34			
	1.7	0.33		1.6	0.17		1.7	0.25		1.7	0.30		1.7	0.33			
	1.8	0.32		1.7	0.17		1.8	0.24		1.8	0.29		1.8	0.32			
	1.9	0.31		1.8	0.16		1.9	0.23		1.9	0.28		1.9	0.31			
	2.0	0.30		1.9	0.16		2.0	0.22		2.0	0.27		2.0	0.30			
	2.1	0.28		2.0	0.16		2.1	0.21		2.1	0.26		2.1	0.28			
	2.2	0.28		2.1	0.15		2.2	0.20		2.2	0.25		2.2	0.28			
	2.3	0.25		2.2	0.15		2.3	0.19		2.3	0.22		2.3	0.25			
	2.4	0.23		2.3	0.14		2.4	0.17		2.4	0.21		2.4	0.23			
	2.5	0.22		2.4	0.13		2.5	0.16		2.5	0.20		2.5	0.22			
	2.6	0.21		2.5	0.12		2.6	0.15		2.6	0.19		2.6	0.21			
	2.7	0.19		2.6	0.11		2.7	0.14		2.7	0.17		2.7	0.19			
	2.8	0.17		2.7	0.11		2.8	0.13		2.8	0.16		2.8	0.17			
	2.9	0.14		2.8	0.10		2.9	0.12		2.9	0.14		2.9	0.14			
	3.0	0.13		2.9	0.09		3.0	0.11		3.0	0.12		3.0	0.13			
	3.1	0.10		3.0	0.08		3.1	0.09		3.1	0.10		3.1	0.10			
	3.2	0.09		3.1	0.06		3.2	0.08		3.2	0.09		3.2	0.09			
	3.3	0.09		3.2	0.06		3.3	0.07		3.3	0.08		3.3	0.09			
	3.4	0.06		3.3	0.06		3.4	0.05		3.4	0.06		3.4	0.06			
	3.5	0.05		3.4	0.04		3.5	0.04		3.5	0.04		3.5	0.05			
	3.6	0.03		3.5	0.04		3.6	0.03		3.6	0.02		3.6	0.03			
	3.7	0.02		3.6	0.03		3.7	0.03		3.7	0.02		3.7	0.02			