



DATE TEHNICE / ENGINEERING DATA												

SE APLICA PREVEDERILE PRIVIND CONFIDENTIALITATEA DIN CONTRACTUL DE CONCESIUNE NEPTUN DEEP SI A CONTRACTULUI DE OPERATIUNI COMUNE APARENT SI/SAU CONTRACTULOR DE CONFIDENTIALITATE APPLICABLE IN NUNELE EXXONMOBIL EXPLORATION AND PRODUCTION ROMANIA LIMITED

SUBJECT TO CONFIDENTIALITY PROVISIONS OF THE NEPTUN DEEP CONCESSION AGREEMENT AND RELATED JOINT OPERATING AGREEMENT AND/OR THOSE OF THE APPLICABLE NON-DISCLOSURE AGREEMENT ON BEHALF OF EXXONMOBIL EXPLORATION AND PRODUCTION ROMANIA LIMITED.

NOTE

- DACA NU SE PRECIZEAZA ALT FEL TOATE DIMENSUNILE SUNT EXPRIMATE IN METRI.
- TOATE COTELE DE NIVEL SUNT IN METRI, RELATIV LA NIVELUL MARII.
- DATELE BATIMETRICE PROVIN DIN BAZA DE DATE GEOTEHNICE SI GEOFIZICE GIS ACTUALIZATA IN 2014, DOCUMENT FUGRO J31135-R-001103) ACTUALIZAT PENTRU PROIECTUL NEPTUN DEEP.
- DATELE DE SOL PROVIN DIN RAPORTUL INTEGRAT NEPTUN DEEP ROND-EW-GRPT-00-0015-001 A SE VEDEA DOCUMENTUL CU NUMARUL ROND-EW-YB08M-20-0002.
- DIRECTIILE SUNT INDICATE IN RAPORT CU NORDUL STEREO 70.
- PENTRU DETALII PRIVIND MODUL DE CONECTARE LA LOCATA PLATFORME SE VA CONSULTA PLANSA ROND-EW-YDPAL-22-0011 - ARANJAMENT CONDUCTA DE ADUCTIUNE SI CONDUCTA DE GAZE NATURALE LA PLATFORMA (SWP) APPROACH ARRANGEMENT.
- STERS.
- PENTRU DETALII PRIVIND ANOZII CONSULTATI PLANSA ROND-EW-YDCPD-24-0002 SI DOCUMENTUL ROND-EW-YRSTY-24-0002.
- CARACTERIZAREA SOLULUI ESTE BAZATA PE NOTA TEHNICA 408009-00349-TN-003 (A SE VEDEA SI NOTA 4).
- STRAT INTERIOR CONDUCTA CONFORM SPECIFICATIEI STRAT EPOXIDIC INTERN ROND-EW-YSPDS-20-0039.
- A SE VA NOTI CA GROSIMEA ANOZILOR SI DISTANTA ADMISA DINTRE EI VOR FI RE-EVALUATE IN DETALIILE DE EXECUTIE IN BAZA GROSIMII ACTUALE A STRATULUI DE BETON.

NOTES

- ALL DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
- ALL ELEVATIONS ARE IN METERS AND RELATIVE TO MSL.
- BATHYMETRY DATA FROM 2014 GEOTECHNICAL AND GEOPHYSICAL GIS DATABASE UPDATE, FUGRO DOCUMENT J31135-R-001103) FOR THE NEPTUN DEEP DEVELOPMENT.
- SEA BED SOIL DATA FROM NEPTUN DEEP INTEGRATED REPORT ROND-EW-GRPT-00-0015-001, SEE DESIGN DOCUMENT NUMBER ROND-EW-YB08M-20-0002.
- HEADINGS INDICATED ARE RELATIVE TO STEREO 70 NORTH.
- FOR DETAILS OF TIE-INS AT PLATFORM LOCATION REFER TO DRAWING - ROND-EW-YDPAL-22-0011 - FLOWLINE AND PRODUCTION LINE PLATFORM (SWP) APPROACH ARRANGEMENT.
- DELETED.
- FOR ANODE DETAILS REFER TO DRAWING ROND-EW-YDCPD-24-0002 & DOCUMENT ROND-EW-YRSTY-24-0002.
- SOIL CHARACTERIZATION BASED ON TECHNICAL NOTE 408009-00349-TN-003 (SEE ALSO NOTE 4).
- INTERNAL FLOW COAT AS PER INTERNAL EPOXY COATING SPECIFICATION ROND-EW-YSPDS-20-0039.
- NOTE THAT ALLOWABLE SPANS AND ANODE THICKNESSES ARE TO BE RE-ASSESSED IN DETAILED DESIGN BASED UPON ACTUAL CONCRETE COATING THICKNESSES.

DOCUMENTE REFERINTA

NUMAR PLANSA	DESCRIERE	DRAWING NUMBER	DESCRIPTION
ROND-EW-YDCPD-24-0002	DETALII TIPICE ANOD CONDUCTA DE GAZE NATURALE	ROND-EW-YDCPD-24-0002	PRODUCTION PIPELINE TYPICAL ANODE DETAILS

SCALE

0 200 1,000 2,000 METRI

0 200 1,000 2,000 METERS

SCALA ORIZONTALA 1:20,000 (IN FORMAT "A1")

HORIZONTAL SCALE 1:20,000 (AT "A1" SIZE)

PARAMETRI GEODEZIE SI PROIECTIE

DATE GEODEZICE	STEREO 70	GEODETC DATUM	STEREO 70
PROIECTIE	Dublu Stereografica	PROJECTION	Double Stereographic
Meridianul central (MC)	25.0	Central meridian (CM)	25.0
Latitudine Origine	48.0	Latitude of Origin	48.0
Falsa origine estica	500,000.0	Falsa Easting at origin	500,000.0
Falsa origine nordica	500,000.0	Falsa Northing at origin	500,000.0
Factor de scala la MC	0.99975	Scale factor at CM	0.99975
DATE VERTICALE	MSL (NIVELUL MARII)	VERTICAL DATUM	MSL

PLAN DE REFERINTA / KEY PLAN

PROIECT NEPTUN DEEP / NEPTUN DEEP PROJECT

REV.	DATE	DESCRIPTION	ORIG.	REV.	APP.	PROJ.
2	15DEC17	RE-ISSUED FOR IFD	FK	EP	SS	JG
1	26SEP17	RE-ISSUED FOR IFD	FK	EP	SS	JG
0	04AUG17	ISSUE FOR IFD	RO	EP	SS	JG

ACRONIME

TP - PUNCT SCHIMBARE DIRECTIE

KP - POZITIE KILOMETRICA (CONDUCTA)

IP - PUNCT INFLEXIUNE

ACRONYMS

TP - TURN POINT

KP - KILOMETRIC POINT

IP - INFLEXION POINT

Conform legislatiei romanesti, virgula si punctul sunt utilizate invers, pentru definirea zecimalelor.

Dimensiunile in sistem US au fost definite astfel: Simbolul virgula a fost folosit pentru separarea cifrelor din interiorul numerelor care definesc sute, mii sau zeci in functie de caz. Subunitatile de masura (zecimalele) au fost separate prin punct. Prin urmare zecimalele vor fi cifrele din interiorul numerelor aflate dupa simbolul punct.

According to the Romanian legislation, the comma and the point are used in reverse, for the definition of decimals.

The dimensions in the US system have been defined as follows: The comma symbol has been used to separate digit inside the numbers when the digit define hundreds, thousands or tens depending on the case. The digit of decimals are separated by a point. In according with the rules in Romania the coma and point are use in opposite way for defined the digit inside of number. For this reason all the digit inside of number after point will be read like decimals.

CONDUCTA DE GAZE NATURALE 30" 30-INCH PRODUCTION PIPELINE

FISA ALINIAMENT ALIGNMENT SHEET

FISA NR. 013 DIN 016 SHEET 013 OF 016

1 : 20,000 ROND-EW-YDPAL-24-0015-C DTAC 2-D

SCALA / SCALE NR. PLANSA / DWG. NO. FAZA / PHASE REV. / REV. A1+ (10924594)