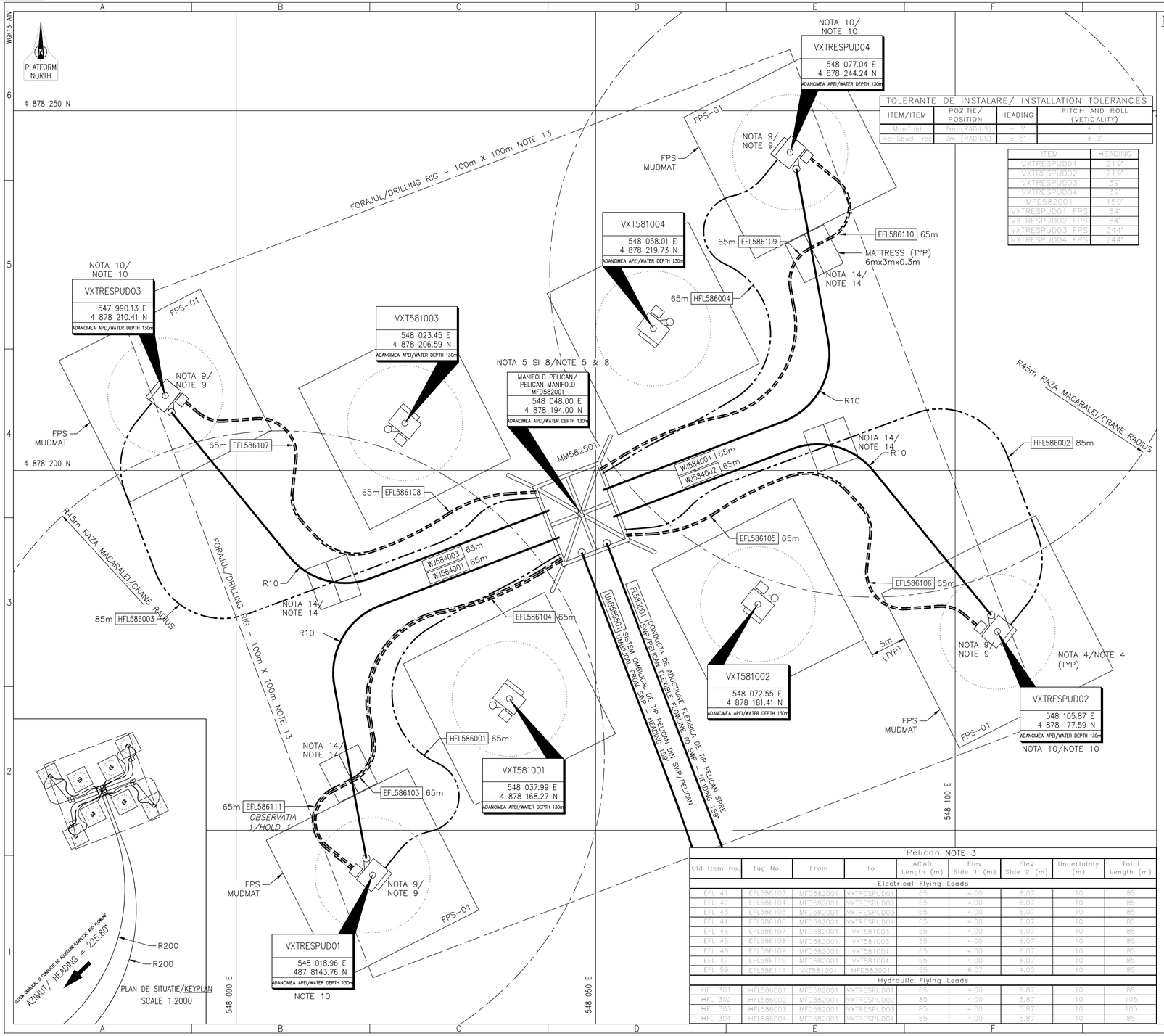
A1+(1039X594)



TOLERANTE DE INSTALARE/ INSTALLATION TOLERANCES

ITEM/ITEM	POZITIE/ POSITION	HEADING	PITCH AND ROLL (VETICALITY)
Manifold	2m (RADIUS)	± 3°	± 1°
Re-Spud Tree	2m (RADIUS)	± 5°	± 2°

ITEM	HEADING
VXTRESPUD01	219°
VXTRESPUD02	219°
VXTRESPUD03	39°
VXTRESPUD04	39°
MFD582001	159°
VXTRESPUD01 FPS	64°
VXTRESPUD02 FPS	64°
VXTRESPUD03 FPS	244°
VXTRESPUD04 FPS	244°

Pelican NOTE 3

Old Item No.	Tag No.	From	To	ACAD Length (m)	Elev Side 1 (m)	Elev Side 2 (m)	Uncertainty (m)	Total Length (m)
Electrical Flying Leads								
EFL 41	EFL586103	MFD582001	VXTRESPUD01	65	4.00	6.07	10	85
EFL 42	EFL586104	MFD582001	VXTRESPUD02	65	4.00	6.07	10	85
EFL 43	EFL586105	MFD582001	VXTRESPUD03	65	4.00	6.07	10	85
EFL 44	EFL586106	MFD582001	VXTRESPUD04	65	4.00	6.07	10	85
EFL 46	EFL586107	MFD582001	VXT581003	65	4.00	6.07	10	85
EFL 45	EFL586108	MFD582001	VXT581003	65	4.00	6.07	10	85
EFL 48	EFL586109	MFD582001	VXT581004	65	4.00	6.07	10	85
EFL 47	EFL586110	MFD582001	VXT581004	65	4.00	6.07	10	85
EFL 59	EFL586111	VXT581001	MFD582001	65	6.07	4.00	10	85
Hydraulic Flying Leads								
HFL 301	HFL586001	MFD582001	VXTRESPUD01	65	4.00	5.87	10	85
HFL 302	HFL586002	MFD582001	VXTRESPUD02	85	4.00	5.87	10	105
HFL 303	HFL586003	MFD582001	VXTRESPUD03	85	4.00	5.87	10	105
HFL 304	HFL586004	MFD582001	VXTRESPUD04	65	4.00	5.87	10	85

NOTE

1. Toate plansele prezentate sunt nominale.
2. Toate distantele sunt calculate in metri (m) si unghiurile sunt reprezentate prin grade (°).
3. Raza minima de curbura asumata pentru cablurile hidraulice de conexiune este 5.3m, iar pentru cablurile electrice aeriene este de 2m.
4. Vehiculul actionat de la distanta (ROV) are nevoie de o raza de 8 metri fara nici un obstacol pentru a putea actiona.
5. Zona de siguranta pentru punctul forajului este de 10% din adancimea apei unde a fost coborat echipamentul, intr-o locatie apropiata fata de centrul forajului pentru a elimina sau a minimiza intersectarea cu echipamentele existente. Locatiile si rutele sigure pentru manipulare echipamentului vor fi determinate de catre contractor in timpul proiectarii de detaliu.
6. Conductele in forma de R au o lungime de 65.5m.
7. O toleranta de ±7.5 grade (15 grade în total) pentru un unghiul de plecare al cablului în forma de U de la hubul de conexiune xt permite accesul ROV la echipamentul de conexiune OCS-V, sub rezerva realizarii unui studiu privind accesibilitatea ROV-ului la XT.
8. Varful colectorului se afla in centrul acestuia perpendicular pe reteaua de conducte care asigura directionarea fluidului din foraj spre suprafata.
9. Varful XT este in centrul mandrinei XT perpendicular in mecanism (opus fata de plecare HFL).
10. Varful FPS este situat perpendicular in fata conductelor flexibile de iesire.
11. Contractorul este responsabil pentru definirea locatiilor de forare.
12. Contractorul este responsabil pentru verificarea conductelor de legatura si de lungimea conductelor.
13. Platforma de foraj este reprezentata strict orientativ.
14. Toate schitele subtraversarilor urmeaza sa fie finalizate in detaliu de contractor. Subtraversarile vor fi proiectate si realizate conform ROND-EW-YSPDS-860106.
15. Aceast desen ar trebui citita impreuna cu referintele OSS si XOM Neptun, informatiile din aceasta schema vor inlocui informatiile furnizate initial.
16. Sistemul ombilical are o marime aproximativ de peste 40m acesta avand determinata lungimea finala in timpul proiectarii de detaliu.
17. EPC1 se va finaliza ruta in zona de exploatare si lungimea de separare a sistemului ombilical precum si proiectarea santuluide ingropare (un sant sau saunturi separat) langa manifold.
18. Tiparul de ancorare aplatformei de foraj este furnizat de OMVP.
19. Sunt necesari inca 3m pentru terminarea sistemului ombilical si flexibil daca este necesara alinierea.
20. Firele ancorei de foraj ating puncte cu sistemul intact sunt la aproximativ 550m de locatia PSDC1. (Tiparul ancorarii are 1250m de la locatia PSDC1), daca nu se mentioneaza in alt fel.
21. EPC 1 va confirma ca sistemul flexibil si sistemul ombilical nu se afla sub macaraua platformei de foraj.
22. Referinta ar trebui facuta catre urmatorul document ROND-EW-YDPAL-21-0022&ROND-EW-YDPAL-22-0001 pentru abordarea finala FL583001%UMB585501 actualizat de OMVP .
23. Manifold Pelican este o structura integrata Manifold si Structura SDU.

OBSERVATII/HOLDS

1. *SELECTAREA CAPULUI DE ERUPTIE PENTRU APROVIZIONAREA CU ENERGIE SI COMUNICATII SPRE MANIFOLDUL PSDC1 TREBUIE DEFINITA/TREE SELECTION FOR THE PROVISION OF POWER AND COMMUNICATION TO THE PSDC1 MANIFOLD STILL TO BE DEFINED.*

NOTES

1. ALL LAYOUTS SHOWN AS NOMINAL.
2. ALL DISTANCES CALCULATED IN METRES (m) AND ANGLES SHOWN IN DEGREES (DEG).
3. AN ASSUMED MINIMUM BEND RADIUS OF 5.3m FOR HYDRAULIC FLYING LEADS AND 2m FOR ELECTRICAL FLYING LEADS.
4. 8m RADIUS CLEARANCE SHOWN AROUND TREES FOR ROV ACCESS.
5. SAFE ZONE AROUND DRILL CENTRES ASSUMED AS 10% WATER DEPTH WHERE EQUIPMENT IS LOWERED IN A LOCATION RELATIVE TO THE DRILL CENTRE TO ELIMINATE OR MINIMISE CROSSING OVER EXISTING EQUIPMENT. ACTUAL SAFE HANDLING LOCATIONS AND EQUIPMENT HANDLING ROUTES WILL BE DETERMINED BY INSTALLATION CONTRACTOR DURING DETAILED PLANNING.
6. R-SHAPE WELL JUMPERS ARE 65.5m IN LENGTH.
7. TOLERANCE OF ±7.5 DEG (15 DEG TOTAL) FOR DEPARTURE ANGLE OF U-SHAPE JUMPER FROM XT JUMPER HUB ALLOWS FOR ROV ACCESS TO OCS-V JUMPER TOOLING SUBJECT TO XT ROV ACCESSIBILITY STUDY.
8. HEADING OF MANIFOLD IS FROM CENTRE OF MANIFOLD PERPENDICULAR TO FACE WITH FLOWLINE HUB AND MULTIBORE UTH.
9. HEADING OF XT IS FROM CENTRE OF XT MANDREL PERPENDICULAR TO XT FRONT FACE (OPPOSITE HFL DEPARTURE FACE).
10. HEADING OF FPS IS FROM CENTRE PERPENDICULAR TO FACE OF FLEXIBLE JUMPER EXIT.
11. CONTRACTOR RESPONSIBLE FOR DEFINING MANIFOLD RE-SPUD LOCATIONS.
12. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL FLYING LEAD AND JUMPER LENGTHS.
13. DRILLING RIG OUTLINE IS INDICATIVE ONLY.
14. ALL CROSSING DESIGNS TO BE FINALISED IN DETAIL DESIGN BY CONTRACTOR. CROSSINGS TO BE DESIGNED AND INSTALLED AS PER ROND-EW-YSPDS-860106.
15. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE REFERENCED OSS AND XOM NEPTUN LAYOUTS, INFORMATION IN THIS LAYOUT WILL SUPERSEDE THOSE PROVIDED IN SAID REFERENCES.
16. UMBILICAL OVERLENGTH APPROXIMATELY 40m FINAL SLACK ALIGNMENT TO BE DETERMINED DURING DETAIL DESIGN. FLEXIBLE FLOWLINE OVERLENGTH OF APPROXIMATELY 40m FINAL SLACK ALIGNMENT TO BE DETERMINED DURING DETAIL DESIGN.
17. EPC1 TO FINALIZE THE FLEXIBLE AND THE UMBILICAL ROUTE SEPERATION LENGTH OVERAGE AREA AND TRENCHING/BURIAL DESIGN (ONE TRENCH OR SEPERATE TRENCH) NEAR THE MANIFOLD DRILL CENTER.
18. DRILL RIG ANCHOR MOORING PATTERN PROVIDED BY OMVP (TYPICAL PATTERN FOR 8 LINE MOORING ARRANGEMENT).
19. 3m EXTRA LENGTH FOR TERMINATION OF UMBILICAL/FLEXIBLE ADJUSTMENT LOOP IF NEEDED FOR ALIGNMENT.
20. DRILL RIG ANCHOR WIRE TOUCH DOWN POINTS WITH SYSTEM INTACT IS APPROX 550m FROM PSDC1 LOCATION. (ANCHOR MOORING PATTERN 1250m LONG FROM PSDC1 LOCATION) UNLESS NOTED OTHERWISE.
21. EPC1 TO CONFIRM FLEXIBLE/UMBILICAL ARE NOT UNDER THE DRILL RIG CRANES.
22. REFERENCE SHOULD BE MADE TO OMVP REDLINE MARK UP OF THE FOLLOWING DOCUMENTS ROND-EW-YDPAL-21-0002 & ROND-EW-YDPAL-22-0001 FOR THE FINAL APPROACH OF FL583001 & UMB585501.
23. PELICAN MANIFOLD IS AN INTEGRATED MANIFOLD AND SDU STRUCTURE.

GEODEZIE&PARAMETRII PROIECTIEI/GEODETIC & PROJECTION PARAMETERS	
DATE GEODEZICE/GEODETIC DATUM	WGS84
PROIECTIA/PROJECTION	TRANSVERSE MERCATOR (TM)
MERIDIAN CENTRAL/CENTRAL MERIDIAN (CM)	30° 00' 00" E
ORIGINEA LATITUDINII/LATITUDE ORIGIN	00° 00' 00" N
ORIGINE ESTICA FALSA/ FALSE EASTING AT ORIGIN	500,000.0m
ORIGINE NORDICA FALSA /FALSE NORTHING AT ORIGIN	0.0m
FACTOR DE SCARA/SCALE FACTOR AT CM	0.9996
DATUM VERTICAL/VERTICAL DATUM	MSL

ROND-EW-YDLAY-22-0003	PELICAN UMBILICAL & FLEXIBLE FLOWLINE WELL APPROACH LAYOUT
ROND-OS-YDLAY-10-0002	DRILL CENTER LAYOUT – PELICAN
ND-D-OP-12-SS-DLAY-0001-0001	PSDC1 DRILL CENTRE LAYOUT
NR. DESEN/DRAWING No.	TITLU DESEN/DRAWING TITLE

PLAN DE REFERINTA/REFERENCE DRAWINGS

Digitally signed by Cristian Gabor
Date: 2023.05.20 11:30:58 +03'00'

GAUSS TOPOGRAFIE, GEODEZIE, CADASTRU, G.I.S.

TRADUCERILE TERMENILOR ÎN ROMÂNĂ SUNT FĂCUTE DUPĂ DESENUL ORIGINAL ÎN ENGLEZĂ

SC GAUSS SRL TIMIŞOARA ROMÂNIA

METRI/METRES
0 5 10 15 20 25
SCARA/SCALE 1:250

LEGENDA/LEGEND

- CONDUCTE DE ADUCTIUNE DET TIP FLEXIBIL/FLEXIBLE FLOWLINE
- SISTEM OMBILICAL PRINCIPAL/MAIN UMBILICAL
- CONDUCTA FLEXIBILA U-SHAPE/U-SHAPE FLEXIBLE JUMPER
- FURTUNE DE LEGATURA HIDRAULICE/HYDRAULIC FLYING LEAD
- CABLURI ELECTRICE DE LEGATURA CU 7 CAI/7-WAY ELECTRICAL FLYING LEAD
- CABLURI ELECTRICE DE LEGATURA CU 12 CAI/12-WAY ELECTRICAL FLYING LEAD

REV	DATE	REVIZIE/REVISION	BY	CHK	ENG	EM	CLIENT
PO1	24.09.21	EMIS PT UZ/ ISSUED FOR USE	JP	ARM	JL	AD	
AO1	24.08.21	EMIS PT REVIZUIRE/ ISSUED FOR REVIEW	JP	ARM	CSW	AD	

OMV Petrom
The energy for a better life.

BLACK SEA DEEP ASSETS

PROIECT/PROJECT
NEPTUN DEEP FAZA DE DEFINIRE/
NEPTUN DEEP DEFINE PHASE

TITLU/TITLE PLAN DE SITUATIE CENTRU DE FORAJ PSDC1.
RELOCARE FORAJ/
PSDC1 DRILL CENTRE LAYOUT
RE-SPUD

DESENAT/DRAWN	DATA/DATE	BIROU/OFFICE	NR. PROIECT/PROJECT No.	SCARA/SCALE 1:250
J PARKER	24.08.21	LDN	805196	CAD REF. ND-D-OP-12-SS-DLAY-0001-0002
VERIFICAT/CHECKED A.MILLS	24.08.21			
ENG. S.WINDMILL	24.08.21	NUMAR DESEN/DRAWING NUMBER		REV.
CLT. APR. A.DUNCAN	24.08.21	ND-D-OP-12-SS-DLAY-0001-0002		PO1