



# DAILY DRILLING REPORT

## PTTEP

### TMA-13A

Field Name G2 / 61	Branch Name Original hole	Start Depth (m) 108.50	Company's Representatives Company Man	Casing OD (in)    Depth (mMD/mTVD) 13.375    365.50    365.50		DATE:    08-Feb-2023 RPT #:    7
			Nithis Jamlongkaew Apisit Kumpanglong	Next :    9.625 in @ 1,365.00 m		Midnight Depth (mMD/mTVD) 1,218.00    1,194.60
Rig SKALD	Phase 12-1/4" x 9-5/8"					

Penetration									Bit		Parameters							
Bit Run	Start (m)	End (m)	Interval (m)	Time (hr)	ROP (m/hr)	Cum Depth (m)	Cum Time (hr)	Tot ROP (m/hr)	Bit and Core Head Inventory		Bit Dull	Nozzle (32nd")	TFA (in")	WOB (kip)	RPM (rpm)	Flow (L/min)	SPP (psi)	On Btm (ft-lbf)
1NEW	357.00	1,218.00	861.00	19.00	45.3	861.00	19.00	45.3	12.250 in, NOV, DSFX519S-G9, A278428		-----	3x20	0.920	6/14	80/80	3,200	1,850.0	4,000/9,000

Drillstring Assembly	
BHA Run	BHA
1	12-1/4" PDC Bit, 8" Motor G4 POB 1.5° Bend, 11-1/4" Motor Top Stabilizer, 6-3/4" HEL-IDS, 22 x 5" HWDP (Total length: 224.8 m)

Time Log						Survey Data				Mud			
Start Time	End Time	Comment	Code	Sub Code	Dur (hr)	MD (m)	Incl (°)	Azm (°)	Method	Mud Type:			
0:00	1:15	RIH 12-1/4" Motor/MWD BHA with 5" HWDP to 225 m. RIH with 5" DP to 274 m. Note: - Take survey at 193 m (INC 1.05 deg) and 253 m (INC 1.10 deg)	RUN BHA	Cased Hole :	1.25	876.37	13.37	18.8	MWD	Gel/Polymer			
				By Stand		905.31	14.01	18.83	MWD	Mud Weight (sg)	ECD (sg)	Mud T (°C)	
1:15	1:45	Perform kick and choke drill.	SSHE	Others	0.50	934.3	14.79	18.98	MWD	1.20		36	
1:45	2:15	Pressure test 13-3/8" casing to 300/800 psi, 5/10 mins.	PRES TST	Casing	0.50	963.29	13.14	18.9	MWD	Initial (m³)	Added (m³)	Final (m³)	
				Pressure test		992.24	13.29	18.94	MWD	0.00	467.15	336.15	
2:15	2:45	RIH 12-1/4" Motor/MWD BHA to 312 m and wash down to tag TOC at 329 m with 5 klbs (expect TOC at 336 m).	RUN BHA	Cased Hole :	0.50	1021.21	13.84	19.61	MWD	Form. Gain (m³)	Form. Los. (m³)	Surf. Los. (m³)	
				By Stand		1050.16	14.39	19.05	MWD	0.00	0.00		
2:45	4:00	Drill out cement, float collars and shoe (2-5 klbs, 2400 lpm, 1000 psi, 60 rpm, 4-7 kft-lbs). Clean out rate hole to 357 m. Drill 3 m new formation to 360 m. Note: - Drill out CSG drill in shoe with low parameters as per manufacturer recommendation (Aluminium Body).	DRLSHOE	N/A	1.25	1079.16	13.21	18.34	MWD	YP (lb/100ft²)	YS (lb/100ft²)	PV (cp)	Marsh (s/qt)
						1108.17	13.47	18.48	MWD	22		16	52
						1137.14	13.14	31.3	MWD	pH	Pm (cc)	Pf (mL/mL)	Mf (mL/mL)
						1166.09	12.64	49.6	MWD				
						1195.06	12.87	61.04	MWD	Ca++ (mg/L)	Mg++ (mg/L)	K+ (mg/L)	NaCl (mg/L)
4:00	5:00	Attempt to perform LOT to 110 psi with SW 1.03 SG, observe pressure drop 10 psi/min. Decision made to call FIT at 107 psi (1.24 SG EMW, shoe at 356.5 mTVD). Note: - Min LOT = 1.20 SG EMW - FIT sample: 20% Clay and 80% Cement - Total pump/return = 1.3/1.3 bbls	TSTSHOE	FIT	1.00	Summary/Remarks				KCl (mg/L)	Sand (%)	Solids (%)	CEC (me/hg)
						Actual / AFE Days = 6.94 / 33.73 days (-26.79 days)					0.1		
						Daily / Total NPT = 0.00 / 1.00 days (0.00 days w/o WOW)				Filt. (mL/30 mL)	FC (32nd")	HPHT Filt. (mL)	HPHT FC (32nd")
										Water (%)	Oil (%)	OW	ES (Volts)



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Drillstring Assembly																	
BHA Run	BHA																

Time Log					
Start Time	End Time	Comment	Code	Sub Code	Dur (hr)
5:00	0:00	Drill 12-1/4" hole (Motor/MWD) from 360 m to 1218 mMD/ 1194.60 mTVD w/PAD. BHCT 49 degC at 1195 mMD/ 1172 mTVD Rotate: WOB 6-14 klbs, 2700-3200 lpm, 1100-1850 psi, 80 rpm, 4-9 kft-lb Slide: WOB 6-12 klbs, 2700-3200 lpm, 1200-1790 psi Rotate: 686 m/ 4.93 hrs, Avg. ROP = 139.15 m/hr Slide: 175 m/ 6.82 hrs, Avg. ROP = 25.66 m/hr P/U wt. 235 klbs, S/O wt. 222 klbs, R/T wt. 229 klbs. Avg. off bottom time = 14:23 mins/ stand (Drill total 30 stands, Total off bottom time 07:11 hrs). Note: - Back ream every slide stands - After 500 m, pump 30 bbls of 1.25 SG Hi-Weight/Hi-Vis Xanthan Gum pill every 2 stands drilled. - After 1000 m, pump 40 bbls of 1.25 SG Hi-Weight/Hi-Vis Xanthan Gum pill every 2 stands drilled. - Pick up and rack back 5" DP 40 stands offline. - Top of 2E formation at 1000 mMD/ 982.30 mTVD. - Since 1120 mMD, observe very difficult to slide due to hang up and motor stall . - Displace hole with 1.12 SG PHPA WBM while drilling at 1135 mMD/1114 mTVD due to difficult to slide. - Slowly increase MW to 1.20 SG PHPA WBM while drilling at 1159 mMD/1136 mTVD. for hole stability  ==== 00:00 - 05:00 Operations ==== Drill 12-1/4" hole (Motor/MWD) from 1218 m to 1279 mMD/ 1252.50 mTVD. Well trajectory: 1.03 m below and 2.78 m left of the plan. Note: - Back ream every slide stands - Observe very difficult to slide due to hang up and motor stall . - Pick up and rack back 8-1/2" BHA offline.	DRILL	Normal	19.00
					Cum Dur 24.00

Operation Summary		Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock					
RIH 12-1/4" Motor/MWD BHA to 274 m. Pressure test 13-3/8" casing. RIH and wash down to tag TOC. Drill out cement, float collars and shoe. Perform LOT. Drill 12-1/4" hole to 1218 mMD/ 1194.60 mTVD w/PAD.		Company	Qty					Supply Item	Unit	Receive	Used	Stock	
		Supply Boats				Standby Boat							
		Vessel Name		Date arrival	Depart	Vessel Name							
		Variable Load											
				Max Variable Load (kip)									
Well Status at 6:00 am													
Drill 12-1/4" hole (Motor/MWD) to 1279 mMD/ 1252.50 mTVD.													
Planned Operation													
Drill 12-1/4" hole to TD at +/- 1365 mMD/ 1331 mTVD. Circulate hole clean. POOH 12-1/4" BHA and L/D. RIH 9-5/8" CSG to setting depth. Circulate. Perform 9-5/8" CSG cement job. Install pack-off. M/U and RIH 8-1/2" Motor/MLWD BHA. Drill out shoe.													
Accidents		Safety Drills		Weather Conditions									
602.00 days without Lost Time Accident (LTA) PTTEP		PJSM, JSA		Wave Height (m)		Wave Period (sec)	Wave Direction (°)						Wind Speed (knots)
602.00 days without Lost Time Accident (LTA) Rig		Safety drill		Wind Direction (°)		P Bar (mbar)	Current Speed (knots)						Current Direction (°)

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