



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) 9.625 1,355.30 1,321.42		DATE: 11-Feb-2023
			Nithis Jamlongkaew	RPT #: 10		
Rig SKALD	Phase 8-1/2" x 7"		Apisit Kumpanglong	Next : 7.000 in @ 3,477.00 m		Midnight Depth (mMD/mTVD) 1,885.00 1,757.00

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 ²)	WOB (kip)	RPM (rpm)	Flow (L/min)	SPP (psi)	On Btm (ft-lbf)
2NEW									8.500 in, NOV, TKC56-A5E, A270519		-----	6x13	0.778	/	/			/
3RR1	1,384.00	1,885.00	501.00	15.50	32.3	501.00	15.50	32.3	8.500 in, NOV, TKC56-A5E, A270519		-----	6x13	0.778	7/16	100/100	2,400	3,400.0	9,000/12,000

Drillstring Assembly																		
BHA Run	BHA																	
2	8-1/2" PDC Bit, 7" Motor HF 3:4 4.3stg 1.5° Bend Solid FV, 6-3/4" HEL-IDS, 6 3/4" MFR, 6 3/4" NDT, 16 x 5" HWDP, 6 3/4" NOV Agitator, 6 3/4" NOV Shock Sub, 5 x 5" HWDP, 6-1/2" Hydraulic Jar, 4 x 5" HWDP (Total length: 283.2 m)																	
3	8-1/2" PDC Bit, 7" Motor HF 3:4 4.3stg 1.5° Bend Solid FV, 6-3/4" HEL-IDS, 6 3/4" MFR, 6 3/4" NDT, 16 x 5" HWDP, 6 3/4" NOV Agitator, 6 3/4" NOV Shock Sub, 5 x 5" HWDP, 6-1/2" Hydraulic Jar, 4 x 5" HWDP (Total length: 283.4 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	2:15	POOH & rack back 5" HWDP stds. Handle BHA. Remove radioactive source. Break out MWD and lay down.	DHEQP-MW D	Standard MWD <150degC	2.25	1546.32	35.42	93.51	MWD	CARBO-DRILL			
						1575.19	33.98	93.53	MWD	Mud Weight (sg)	ECD (sg)	Mud T (°C)	
2:15	3:15	M/U new MWD with same 8-1/2" Motor BHA and bit. Program tool.	DHEQP-MW D	Standard MWD <150degC	1.00	1603.85	36.43	94.01	MWD	1.15		67	
						1632.89	36.15	94.53	MWD	Initial (m³)	Added (m³)	Final (m³)	
3:15	4:45	Observe hydra racker malfunction. Attempt to troubleshoot, ok.	SEQP-RIG	XY-Racker	1.50	1661.82	35.59	93.86	MWD	236.20	16.79	236.64	
						1690.82	35.32	94.36	MWD	Form. Gain (m³)	Form. Los. (m³)	Surf. Los. (m³)	
4:45	7:00	Resume to program tool. Continue to M/U new MWD with same 8-1/2" Motor BHA and bit. Load radioactive source. RIH with 5" HWDP to 283 m.	DHEQP-MW D	Standard MWD <150degC	2.25	1719.74	36.64	93.96	MWD	0.00	0.00	16.35	
						1748.71	36.67	94.08	MWD	YP (lbf/100ft²)	YS (lbf/100ft²)	PV (cp)	Marsh (s/qt)
7:00	8:15	RIH 8-1/2" Motor BHA from 283 m to 1356 m. Note: - Avg RIH speed in CH 858 m/hr.	DHEQP-MW D	Standard MWD <150degC	1.25	1777.67	36.04	94.04	MWD	14	20	60	
						1806.66	34.88	94.56	MWD	pH	Pm (cc)	Pf (mL/mL)	Mf (mL/mL)
8:15	8:30	Fill up drillstring and Wash down from 1356 m to bottom at 1384 m.	DHEQP-MW D	Standard MWD <150degC	0.25	1835.66	35.29	93.58	MWD				
						1864.62	36.72	92.19	MWD	Ca++ (mg/L)	Mg++ (mg/L)	K+ (mg/L)	NaCl (mg/L)

<div>Summary/Remarks</div> <div>Actual / AFE Days = 9.94 / 33.73 days (-23.79 days)</div> <div>Daily / Total NPT = 0.35 / 1.45 days (0.45 days w/o WOW)</div> <div>Total POB = 128</div> <div>- No incident/accident</div> <div>- DMAP Verification = No Issues all risk reduction verified</div> <div>- SOC:137 (Positive: 126 and Hazard: 11)</div> <div>- Next full BOP test: 28th Feb 2023</div> <div>=== Tubular on derrick ===</div> <div>- 115 stds of 5" DP and 9 stds of 5"HWDP</div> <div>- 65 stds of 4" DP</div> <div>- 70 stds of 7" Casing</div>	Summary/Remarks			
	KCl (mg/L)	Sand (%)	Solids (%)	CEC (me/hg)
	Filt. (ml/30 ml)	FC (32nd")	HPHT Filt. (ml/	HPHT FC (3
	Water (%)	Oil (%)	OW	ES (Volts)
	LGS (%)	HGS (%)	Lime (mg/L)	Cl- (mg/L)
	Mud Products			
	Mud Type		Unit	On Loc
	BARITE, MT BULK		MT	Used
	CALCIUM CHLORIDE		25 kg bag	
	CARBO-MUL HT, 55 G		55 gal	
	DFE-4023, 20 KG BAG		20 kg	
	LIME, 25 KG BAG		25 kg bag	
	MAGMA-TROL, 25 KG		25 kg bag	
	OVA-VIS, 55 GAL DR		55 gal	
	OVAGEL HT, 25 KG B		25 kg bag	
	OVATROL HT, 50 LB B		50 lb bag	
	SARALINE 185V Q1 2		1 m3	

Operation Summary				Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock				
Handle BHA. Break out MWD and lay down. M/U new MWD with same 8-1/2" Motor BHA and bit. Program tool. RIH 8-1/2" Motor BHA to bottom. Drill 8-1/2" hole (Motor/MPWD/LWD/Agitator) from 1384 m to 1885 mMD/ 1757.00 mTVD.				Company	Qty	Supply Boats		Standby Boat		Supply Item	Unit	Receive	Used	Stock
				BHI	8	Vessel Name	Date arrival	Depart	Vessel Name	DIESEL	M3		27.0	308.0
				BORR	89	SC BONGKOT		09-Feb-2023 14:30		BARITE BULK	MT		25.0	322.0
				DMF	2					CEMENT	MT			239.0
				EXLOG	5					WATER, DRILLING	M3		8.0	235.0
Well Status at 6:00 am				HALIBURTON	4					WATER, POTABLE	M3	50.0	33.0	343.0
Drill 8-1/2" hole (Motor/MPWD/LWD/Agitator) to 2051 mMD/ 1891.20 mTVD.				PTTEP	3									
Planned Operation														
Drill 8-1/2" hole to TD at +/- 3478 mMD/ 3051 mTVD.														
				RUTLEDGE	1									
				SCOMI	4									
				WEFIC	1									
Accidents				WFT	6	Wave Height (m)	Wave Period (sec)	Wave Direction (°)	Wind Speed (knots)					
605.00 days without Lost Time Accident (LTA) PTTEP				WFT TRS	5	1.20	5	90	9					
605.00 days without Lost Time Accident (LTA) Rig						Wind Direction (°)	P Bar (mbar)	Current Speed (knots)	Current Direction (°)					
						90.00	1,010.0							



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			Nithis Jamlongkaew Apisit Kumpanglong	OD (in) 9.625	Depth (mMD/mTVD) 1,355.30	1,321.42	RPT #: 10
Rig SKALD	Phase 8-1/2" x 7"			Next : 7.000 in @ 3,477.00 m			Midnight Depth (mMD/mTVD) 1,885.00 1,757.00

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 ²)	WOB (kip)	RPM (rpm)	Flow (L/min)	SPP (psi)	On Btm (ft-lbf)	

Drillstring Assembly																		
BHA Run	BHA																	

Time Log					
Start Time	End Time	Comment	Code	Sub Code	Dur (hr)
8:30	0:00	Drill 8-1/2" hole (Motor/MPWD/LWD/Agitator) from 1384 m to 1885 mMD/ 1757.00 mTVD. BHCT 97 degC at 1864 mMD/ 1740 mTVD Rotate: WOB 12-16 klbs, 2400 lpm, 3200-3400 psi, 100 rpm, 9-12 kft-lb Slide: WOB 7-10 klbs, 2400 lpm, 3150-3200 psi Rotate: 429 m/ 6.71 hrs, Avg. ROP = 139.15 m/hr Slide: 72m/ 2.29 hrs, Avg. ROP = 31.44 m/hr P/U wt. 235 klbs, S/O wt. 222 klbs, R/T wt. 229 klbs. Avg. off bottom time = 18:58 mins/ stand (Drill total 18 stands, Total off bottom time 05:41 hrs). Note: - Back ream every slide stands - Pick up and rack back 7" casing. - Control ROP 80 m/hr for LWD quality. - Top of 2C formation at 1480 mMD/ 1428.56 mTVD. - Top of 2B formation at 1780 mMD/ 1671.77 mTVD. ==== 00:00 - 05:00 Operations ==== Drill 8-1/2" hole (Motor/MPWD/LWD/Agitator) from 1885 m to 2051 mMD/ 1891.20 mTVD. Well trajectory: 2.39 m below and 0.94 m left of the plan. Note: - Back ream every slide stands - Pick up and rack back 7" casing. - Control ROP 80 m/hr for LWD quality. - Top of 2A formation at 1920 mMD/ 1785.36 mTVD.	DRILL	Controlled ROP	15.50
					Cum Dur 24.00

Operation Summary		Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock				
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		Supply Boats				Standby Boat						
		Vessel Name		Date arrival	Depart	Vessel Name						
Well Status at 6:00 am												
Drill 8-1/2" hole (Motor/MPWD/LWD/Agitator) to 2051 mMD/ 1891.20 mTVD.												
Planned Operation						Variable Load						
Drill 8-1/2" hole to TD at +/- 3478 mMD/ 3051 mTVD.						Max Variable Load (kip)						
		Weather Conditions										
Accidents		Safety Drills		Wave Height (m)		Wave Period (sec)	Wave Direction (°)	Wind Speed (knots)				
605.00 days without Lost Time Accident (LTA) PTTEP		PJSM, JSA										
605.00 days without Lost Time Accident (LTA) Rig				Wind Direction (°)		P Bar (mbar)	Current Speed (knots)	Current Direction (°)				