



# DAILY DRILLING REPORT

## PTTEP

### STWC-05

Field Name	Branch Name	Start Depth (m)	Company's Representatives	Casing			DATE: 21-Dec-2022	
G1/61 SOUTH TRAT		101.07	Company Man	OD (in)	Depth (mMD/mTVD)		RPT #: 10	
			Aranee Chotipanit Wimolmas Luewisawakul	7.000	1,869.42	1,623.54		
				Next : 2.875 in @ 3,653.56 m			Midnight Depth (mMD/mTVD)	
Rig	Phase							
T-15	6-1/8" x 2-7/8"						3,282.00	2,596.48

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)	
2	2,634.00	3,282.00	648.00	18.88	34.3	1,100.00	27.42	40.1	6.125 in, SMITH, MDi516, QF1826	-----	11x5	0.211	15/18	180/180	850	3,000.0	10,000/13,000	

Drillstring Assembly																		
BHA Run	BHA																	
4	6-1/8" PDC Bit (MDi516)new, PD 475 Orbit AA 6 1/8" Slick CC, 6" Non-Mag Stabilizer, 4-3/4" Crossover, IMPulse-MLWD HT (681-1170LPM), ADN4-LWD HT w/5-3/4" IB Stabilizer, Crossover NC38 to XT39, 25 Joints x 4" HWDP, 4 3/4" Hydra Jar, 4 Joints x 4" HWDP, Crossover XT																	

Time Log						Survey Data				Mud							
Start Time	End Time	Comment	Code	Sub Code	Dur (hr)	MD (m)	Incl (?)	Azm (?)	Method	Mud Type: CARBO-DRILL							
0:00	0:00	Drill 6-1/8" hole with RSS BHA from 2634 m to 3282 mMD/ 2596.48 mTVD with 1.33 SG SDF. BHCT 154.5 degC at 3242.57 mMD/ 2571.41 mTVD. Max Gas 28.04% / BG 2.00% from 2856.50 mMD/ 2326.92 mTVD. (Total 15 gas shows, 54.80 mTVD sand thickness). Rotate: WOB 15 - 18 klbs, 850 - 1050 lpm, 2700 - 3000 psi, 180 rpm, 10.0/13.0 kft-lbs (off/ on). Rotate: 648 m/ 18.88 hrs, Avg ROP = 34.32 mph. P/U 340 klbs, S/O 150 klbs, R/O 200 klbs. Avg. daily off bottom time = 12:20 mins/ std (Drill total 22 stands, Total off bottom time 4:31:09 hrs). Well trajectory at TD: 4.15 m above and 2.43 m right of the plan. Note: - No loss/gain/caving while drilling. - Maintain Graphite F/M 2/2 ppb each in active system.  === 00:00 - 05:30 operation === 00:00 - 05:30 Drill 6-1/8" hole with RSS BHA from 3282m to 3397 mMD/ 2669.99 mTVD with 1.41 SG SDF.	DRILL	Normal	24.00	2952.3700	50.4900	101.1000	MWD	Mud Weight (sg)							
						2981.4300	50.6900	101.0600	MWD	ECD (sg)							
						3010.6700	50.6200	101.0000	MWD	Mud T (?C)							
						3039.6000	50.6400	101.0800	MWD	1.33							
						3068.7700	50.7100	101.1000	MWD	Initial (m?)							
						3097.3800	50.6000	101.4000	MWD	Added (m?)							
						3126.6300	50.6200	101.1900	MWD	Final (m?)							
						3155.8000	50.6700	101.1900	MWD	236.50							
						3184.7400	50.6400	101.1500	MWD	Form. Gain (m?)							
						3213.5200	50.5800	101.1000	MWD	Form. Los. (m?)							
						3242.5700	50.5500	101.1000	MWD	Surf. Los. (m?)							
						3271.1300	50.4400	101.5500	MWD	0.00							
						Summary/Remarks				YP (lb/100ft³)				YS (lb/100ft³)		PV (cp)	
						Actual / AFE Days = 7.34 / 6.86 days (+0.48 days)				18				18.00		28	
						Daily / Total NPT = 0.00 / 1.78 days (0.42 days w/o WOW)				pH				Pm (cc)		PF (mL/mL)	
						Total POB = 125								Mf (mL/mL)			
						No incident/ accident reported.				Ca++ (mg/L)				Mg++ (mg/L)		K+ (mg/L)	
								NaCl (mg/L)									
				KCl (mg/L)				Sand (%)		Solids (%)							
								16.5		CEC (me/hg)							
				Filt. (ml/30 ml)				FC (32nd")		HPHT Filt. (ml/30 ml)							
				1.0				2.0		HPHT FC (32nd")							
				Water (%)				Oil (%)		OW							
				14.5				69.0		83/17							
				LGS (%)				HGS (%)		Lime (mg/L)							
										Cl- (mg/L)							

<div>DMAP Verification = No Issues all risk reduction verified.</div> <div>SOC: 101 (Positive: 45 and Hazards: 56)</div> <div>Tubular on derrick</div> <div>- 71 stands of 5" DP.</div> <div>- 10 stands of 4" HWDP.</div> <div>- 116 stands of 4" DP.</div>						4.0		5,000.0	32,000				
						Mud Products							
						Mud Type	Unit	On Loc	Used				
						BARITE	MT	394.0	30.0				
						CALCIUM CHLORIDE	25 kg bag	-100.0	30.0				
						CARBO-MUL HT	55 gal	13.0	4.0				
						DFE-4023, 20 KG BAG	each	140.0	2.0				
						LIME	25 kg bag	-87.0	30.0				
						MAGMA-TROL	25 kg bag	10.0	3.0				
						NIF-2000	25 kg bag	-47.0	48.0				
OVAGEL HT	25 kg bag	39.0	4.0										
OVATROL HT	50 lb bag	-40.0	30.0										
SARALINE 185V - Q4	1 m3	268.0	14.0										
Operation Summary		Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock					
Drill 6-1/8" hole to 3282 mMD/ 2596.48 mTVD.		Company	Qty					Supply Item	Unit	Receive	Used	Stock	
		EXLOG (GOLOGIST)	1	Supply Boats			Standby Boat		BASE FLUID	M3	80.0	0.0	439.0
		BAKER HUGHES (Mud log)	2	Vessel Name	Date arrival	Depart	Vessel Name		BARITE BULK	Tons	50.0	13.0	473.0
		DHI/Exlog (Mud log)	6	Bathera Intan	20-Dec-2022	21-Dec-2022	BB Tongkham		DIESEL	M3	200.0	16.0	643.0
		PTTEP	2		17:06	13:36			CEMENT	Tons	70.0		259.0
		SCHLUMBERGER (DD)	2	BB Tongkham	21-Dec-2022				WATER, DRILLING	M3		10.0	477.0
Well Status at 6:00 am		SCHLUMBERGER (MW)	3		19:12		Variable Load		WATER, POTABLE	M3	120.0	20.0	452.0
Planned Operation		Halliburton (Wireline)	4				Max Variable Load (kip)						
Drill 6-1/8" hole to TD. Perform static and swab test. Drop carbide. Circulate hole clean. POOH and R/B BHA. R/U and RIH Wireline logging.		SPM (Wellhead Eng)	2										
		EXPRO (tubular)	5	Weather Conditions									
		Halliburton (Cementing)	4	Wave Height (m)	Wave Period (sec)	Wave Direction (?)	Wind Speed (knots)						
		NOV (Solid control)	4	0.90	5	0	8						
		Edrill	90	Wind Direction (?)	P Bar (mbar)	Current Speed (knots)	Current Direction (?)						
				45.00	1,006.0								
Accidents		Safety Drills											
135.00 days without Lost Time Accident (LTA) PTTEP		PJSM, JSA											
135.00 days without Lost Time Accident (LTA) Rig													

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