



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)			
1	2,105.00	2,182.00	77.00	3.00	25.7	307.00	9.50	32.3	6.125 in, SMITH, MDi516, QF1826		1-0-CT-S-X-I-ER-DTF	11x5	0.211	10/15	140/160	1,050	2,600.0	6,000/10,000			
2	2,182.00	2,634.00	452.00	8.54	52.9	452.00	8.54	52.9	6.125 in, SMITH, MDi516, QF1826		-----	11x5	0.211	10/15	140/180	1,050	3,000.0	8,000/12,000			
Drillstring Assembly																					
BHA Run		BHA																			
3		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																			
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:					
0:00	3:00	Drill 6-1/8" hole with RSS BHA from 2105 m to 2182 mMD/ 1850.78 mTVD with 1.15 SG SDF. Observed SLB Powerdrive not respond to command. Decision made to POOH. BHCT 111 degC at 2142.27 mMD/ 1821.58 mTVD. Rotate: WOB 10 - 15 klbs, 1050 lpm, 2550 - 2600 psi, 140-160 rpm, 6.0/10.0 kft-lbs (off/ on). Rotate: 77 m/ 2.71 hrs, Avg ROP = 28.44 mph. P/U 223 klbs, S/O 136 klbs, R/O 171 klbs. Avg. daily off bottom time = 11:10 mins/ std (Drill total 2 stands, Total off bottom time 22:20 hrs). Well trajectory at TD: 12.18 m above and 0.57 m right of the plan. Note: - No loss/gain/caving while drilling. - Maintain Graphite F/M 2/2 ppb each in active system.							DRILL	Normal	3.00	2285.8600	39.4500	103.1900	MWD	Mud Type:					
												CARBO-DRILL SDF									
												Mud Weight (sg)		ECD (sg)		Mud T (?C)					
												1.19		52							
												Initial (m?)		Added (m?)		Final (m?)					
												252.70		4.00		236.50					
												Form. Gain (m?)		Form. Los. (m?)		Surf. Los. (m?)					
												0.00		0.00		20.20					
												YP (lbf/100ft²)		YS (lbf/100ft²)		PV (cp)		Marsh (s/qt)			
												16		16.00		23		66			
												pH		Pm (cc)		Pf (mL/mL)		Mf (mL/mL)			
												Ca++ (mg/L)		Mg++ (mg/L)		K+ (mg/L)		NaCl (mg/L)			
3:00	3:30	Circulate bottom up with 1050 lpm, 2500 - 2600 psi, 80 rpm, 6 - 8 kft-lbs.							DHEQP-DD	RSS	0.50	Summary/Remarks					KCl (mg/L)	Sand (%)	Solids (%)	CEC (me/hg)	
3:30	3:45	Line up to trip tank and flow check, hole static.							DHEQP-DD	RSS	0.25	Actual / AFE Days = 6.34 / 6.86 days (-0.52 days) Daily / Total NPT = 0.42 / 1.78 days (0.42 days w/o WOW) Total POB = 124 No incident/ accident reported. DMAP Verification = No Issues all risk reduction verified. SOC: 116 (Positive: 57 and Hazards: 59)					11.5	FC (32nd")	HPHT Filt. (ml/30 ml)	HPHT FC (3	
3:45	4:30	POOH 6-1/8" RSS BHA with 4" DP from 2182 m to 7" Casing shoe at 1869 m. No tight spot and hole take correct displacement							DHEQP-DD	RSS	0.75						Filt. (ml/30 ml)	Oil (%)	OW	ES (Volts)	
4:30	4:45	Line up to trip tank and flow check, hole static.							DHEQP-DD	RSS	0.25	Water (%)					LGS (%)	HGS (%)	Lime (mg/L)	Cl- (mg/L)	
4:45	6:15	Pump slug 25 bbls. POOH 6-1/8" RSS BHA with 4" DP from 1869 m to 334 m (inside 7" casing). Hole take correct displacement. Note: - Avg. POOH speed in CH 37 std/hr (1060 m/hr).							DHEQP-DD	RSS	1.50						15.5	73.0	82/18	878.0	
6:15	6:30	Line up to trip tank and flow check, hole static. While performing trip drill.							DHEQP-DD	RSS	0.25	Mud Products					Mud Type		Unit	On Loc	Used
6:30	8:00	POOH 6-1/8" RSS BHA with 4" HWDP from 334 m to surface. Unload radioactive source. Break out bit. Change out Powerdrive.							DHEQP-DD	RSS	1.50						BARITE		MT	424.0	10.0
8:00	9:00	Load radioactive source. RIH 6-1/8" RSS BHA with 4-3/4" Drilling JAR and 4" HWDP to 306 m.							DHEQP-DD	RSS	0.75	Tubular on derrick - 82 stands of 5" DP. - 6 stands of 5" HWDP. - 10 stands of 4" HWDP. - 64 stands of 4" DP.					CALCIUM CHLORIDE		25 kg bag	-70.0	10.0
9:00	9:45	RIH 6-1/8" RSS BHA with 4" DP from 306 m to 507 m.							DHEQP-DD	RSS	0.50						CARBO-MUL HT		55 gal	17.0	2.0
9:45	10:15	Perform shallow test MWD with 770 lpm, 900psi. Downlink RSS tool.							DHEQP-DD	RSS	2.00	LIME					25 kg bag		-57.0	10.0	
10:15	12:15	Continue RIH 6-1/8" RSS BHA with 4" DP from 507 m to 2125 m. Note: - Avg RIH speed 35 std/hr (810 m/hr).							DHEQP-DD	RSS	0.75						NIF-2000		25 kg bag	1.0	20.0
12:15	13:00	Fill up string and wash down 6-1/8" RSS BHA to bottom.							DHEQP-DD	RSS	0.75	OVATROL HT					50 lb bag		-10.0	10.0	
											SARALINE 185V - Q4						1 m3		282.0	2.0	
											SYN GRAPHITE F		25 kg bag		13.0	10.0					
											SYN GRAPHITE M		25 kg bag		35.0	10.0					
Operation Summary								Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock							
Drill 6-1/8" hole to 2182 mMD/ 1850.78 mTVD. Observed Powerdrive not respond to command. Decision made to POOH. Flow check. POOH to surface. Change to new Powerdrive. RIH and wash down to bottom. Continue drill 6-1/8" hole to 2634 mMD/ 2187.85 mTVD.								Company	Qty							Supply Item		Unit	Receive	Used	Stock
								EXLOG (GOLOGIST)	1	Supply Boats			Standby Boat			BASE FLUID		M3		12.0	359.0
								BAKER HUGHES (Mud	2	Vessel Name	Date arrival	Depart	Vessel Name		BARITE BULK		Tons		4.0	436.0	
								DHI/Exlog (Mud log)	6	BB Tongkham	20-Dec-2022	20-Dec-2022	Bathera Intan		DIESEL		M3		11.0	459.0	
Well Status at 6:00 am								PTTEP	2		14:24	14:34			CEMENT		Tons		189.0		
Drill 6-1/8" hole to 2806 mMD/ 2295.21 mTVD.								SCHLUMBERGER (DD)	2	Bathera Intan	20-Dec-2022				WATER, DRILLING		M3		487.0		
Planned Operation								SCHLUMBERGER (MW	3		17:06		Variable Load		WATER, POTABLE		M3		20.0	352.0	
Continue drill 6-1/8" hole to TD.								Halliburton (Wireline)	4				Max Variable Load (kip)								
								SPM (Wellhead Eng)	2												
								EXPRO (tubular)	5	Weather Conditions											
Accidents								Safety Drills													
134.00 days without Lost Time Accident (LTA) PTTEP								PJSM, JSA		Halliburton (Cementing)	4	Wave Height (m)	Wave Period (sec)	Wave Direction (?)	Wind Speed (knots)						
134.00 days without Lost Time Accident (LTA) Rig										NOV (Solid control)	4	1.40	5	45	16						
										Edrill	89	Wind Direction (?)	P Bar (mbar)	Current Speed (knots)	Current Direction (?)						
												25.00	1,008.0								

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DAILY DRILLING REPORT

PTTEP

STWC-05

Field Name	Branch Name	Start Depth (m)	Company's Representatives	Casing			DATE:	20-Dec-2022
G1/61 SOUTH TRAT		101.07	Company Man	OD (in)	Depth (mMD/mTVD)		RPT #:	9
			Aranee Chotipanit	7.000	1,869.42	1,623.54		
Rig	Phase		Wimolmas Luewisawakul	Next : 2.875 in @ 3,653.56 m			Midnight Depth (mMD/mTVD)	
T-15	6-1/8" x 2-7/8"						2,634.00	2,187.85

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)
Drillstring Assembly																		
BHA Run		BHA																
Time Log																		
Start Time	End Time	Comment																
13:00	0:00	Drill 6-1/8" hole with RSS BHA from 2182 m to 2634 mMD/ 2187.85 mTVD with 1.19 SG SDF. BHCT 133.50 degC at 2604.92 mMD/ 2168.37 mTVD. Max Gas 16.16% / BG 1.00% from 2534 mMD/ 2118.37 mTVD. (Total 2 gas shows, 5.68 mTVD sand thickness). Rotate: WOB 10 - 15 klbs, 1050 lpm, 2750 - 3000 psi, 140-180 rpm, 8.0/12.0 kft-lbs (off/ on). Rotate: 452 m/ 8.54 hrs, Avg ROP = 52.93 mph. P/U 278 klbs, S/O 142 klbs, R/O 183 klbs. Avg. daily off bottom time = 8:47 mins/ std (Drill total 15 stands, Total off bottom time 2:01:3 hrs). Well trajectory at TD: 4.17 m above and 0.92 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 - 03:00 Drill 6-1/8" hole with RSS BHA from 2634m to 2806 mMD/ 2295.21 mTVD with 1.21 SG SDF.							DRILL	Normal	11.00							
									Cum Dur									
									24.00									
Operation Summary								Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock				
Drill 6-1/8" hole to 2182 mMD/ 1850.78 mTVD. Observed Powerdrive not respond to command. Decision made to POOH. Flow check. POOH to surface. Change to new Powerdrive. RIH and wash down to bottom. Continue drill 6-1/8" hole to 2634 mMD/ 2187.85 mTVD.								Company	Qty					Supply Item	Unit	Receive	Used	Stock
								Supply Boats				Standby Boat						
								Vessel Name		Date arrival	Depart	Vessel Name						
Well Status at 6:00 am																		
Drill 6-1/8" hole to 2806 mMD/ 2295.21 mTVD.																		
Planned Operation																		
Continue drill 6-1/8" hole to TD.																		
Weather Conditions																		
Accidents				Safety Drills				Wave Height (m)		Wave Period (sec)	Wave Direction (?)	Wind Speed (knots)						
134.00 days without Lost Time Accident (LTA) PTTEP				PJSM, JSA														
134.00 days without Lost Time Accident (LTA) Rig								Wind Direction (?)		P Bar (mbar)	Current Speed (knots)	Current Direction (?)						

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