



DAILY DRILLING REPORT

PTTEP

STWC-05

Field Name	Branch Name	Start Depth (m)	Company's Representatives		Casing		DATE:	23-Dec-2022
G1/61 SOUTH TRAT		101.07	Company Man		OD (in)	Depth (mMD/mTVD)	RPT #:	12
			Aranee Chotipanit		2.875	3,581.00	2,786.97	
Rig	Phase		Wimolmas Luewisawakul		Next :		Midnight Depth (mMD/mTVD)	
T-15	6-1/8" x 2-7/8"						3,589.00	2,791.81

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")	IFA (in?)	WOB (kip)	RPM (rpm)	Flow (L/min)	SPP (psi)	On Btm (ft-lbf)
2									6.125 in, SMITH, MDI516, QF1826		1-1-CT-S-X-I-ER-TD	11x5	0.211	/	/			/

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 HT				
0:00	1:30	Perform Swab test. Circulate 10 mins. Perform Static test. Circulate bottom up with 700 lpm, 2000 - 2100 psi, 100 rpm, 9 - 10 kft-lbs. Note: - Static gas: 5.0%/ BG 2.5%. - Swab gas: 4.45%/ BG 2.5%. - P/U wt. 340 klbs	CIRC	Circulation after backreaming	1.50					Mud Weight (sg)		ECD (sg)	Mud T (°C)	
										1.57		47		
										Initial (m?)	Added (m?)	Final (m?)		
										236.90	10.71	236.55		
1:30	1:45	Line up to trip tank and flow check, hole static.	FLOWCHK	Other	0.25					Form. Gain (m?)	Form. Los. (m?)	Surf. Los. (m?)		
1:45	3:15	Continue POOH 6-1/8" RSS BHA with 4" DP from 3301 m to 7" shoe at 1869 m. No tight spot and hole take correct displacement. Note: - Avg. POOH speed in OH 36 std/hr (960 m/hr).	PULL BHA	Open Hole : Pull w/o pump	1.50					0.00	0.00	11.06		
3:15	3:30	Line up to trip tank and flow check, hole static.	FLOWCHK	Other	0.25					YP (lb/100ft³)	YS (lb/100ft³)	PV (cp)	Marsh (s/qt)	
3:30	5:00	POOH 6-1/8" RSS BHA with 4" DP from 1869 m to 331 m (inside 7" casing). No tight spot and hole take correct displacement. Note: - Avg. POOH speed in CH 35 std/hr (1025 m/hr).	PULL BHA	Cased Hole : By Stand	1.50					17	19.00	37	103	
5:00	5:15	Line up to trip tank and flow check, hole static.	FLOWCHK	Other	0.25	Summary/Remarks Actual / AFE Days = 9.34 / 6.86 days (+2.48 days) Daily / Total NPT = 0.00 / 1.78 days (0.42 days w/o WOW) Total POB = 125				Ca++ (mg/L)	Mg++ (mg/L)	K+ (mg/L)	NaCl (mg/L)	
										KCl (mg/L)	Sand (%)	Solids (%)	CEC (meq/kg)	
										Filt. (ml/30 ml)	FC (32nd")	HPHT Filt. (ml)	HPHT FC (32nd")	
										1.0	2.0	1.0		
5:15	7:30	Hold PJSM. POOH 6-1/8" RSS BHA with 4" HWDP from 331 m to surface. Unload radioactive source. Plug in MLWD and download LWD data. Break out bit and rack back BHA..	R/B BHA	LWD w/ Radioactive Source	2.25					Water (%)	Oil (%)	OW	ES (Volts)	
7:30	8:00	Clear and clean rig floor. Hold PJSM. Rig up Wireline equipment.	R/U LOG	N/A	0.50	No incident/ accident reported. DMAP Verification = No Issues all risk reduction verified. SOC: 101 (Positive: 45 and Hazards: 56)				11.5	64.5	85/15	934.0	
										LGS (%)	HGS (%)	Lime (mg/L)	Cl- (mg/L)	
										4.7		4,100.0	25,000	
										Mud Products				
8:00	8:30	Make up HSFT pressure sample point logging tool. Surface test, ok.	PRES LOG	RFT/SRFT	0.50					Mud Type		Unit	On Loc	Used
										BARITE		MT	279.0	80.0
										BIOCIDES X102		5 gal	57.0	2.0
										BRINE PAC XTS		5 gal	18.0	6.0
8:30	9:15	Run in hole HSFT logging tool to inside 7" casing to 1869 m with speed 12,000 m/hr. Test packer seal, ok. Continue to run in hole to correlate at 2270 m with correlation speed 3600 m/hr.	PRES LOG	RFT/SRFT	0.75					KCl		25 kg bag	20.0	40.0
										NOXYGEN XT		25 kg bag	5.0	2.0
										SARALINE 185V - Q4		1 m3	257.0	6.0
9:15	15:15	Perform HSFT logging to total 22 of 22 points from program, (Total 32 attempts with 14 normal, 3 tight, 12 dry and 3 lost seal tests). Note: - Min-Max formation pressure: 0.31 - 1.38 SG EMW-RT. - Min-Max MW from wireline: 1.51 - 1.53 SG. - Driller MW: 1.57 SG. - Hole in good condition.	PRES LOG	RFT/SRFT	6.00									
15:15	16:00	Pull out HSFT logging tool to surface with speed 3,600 m/hr. Lay down HSFT logging tool.	PRES LOG	RFT/SRFT	0.75									

Operation Summary		Personnel		Day Total	Cum to Date		Mud Total	Mud Cum to Date	Main Stock				
Perform static and swab test. Circ BU. POOH 6-1/8" RSS BHA to surface. Handle BHA. R/U and run wireline HSFT. Total 32 attempt points with 14 normal, 3 tight, 12 dry and 3 lost seal tests. Pull wearbushing and jet wellhead. Run 2-7/8" completion tubing to 3419 m.		Company	Qty						Supply Item	Unit	Receive	Used	Stock
		EXLOG (GOLOGIST)	1	Supply Boats			Standby Boat		BASE FLUID	M3		36.0	394.0
		BAKER HUGHES (Mud log)	2	Vessel Name		Date arrival	Depart	Vessel Name	BARITE BULK	Tons		74.0	379.0
		DHI/Exlog (Mud log)	6	BB Tongkham		21-Dec-2022	22-Dec-2022		DIESEL	M3		13.0	615.0
		PTTEP	2			19:12	04:48		CEMENT	Tons			319.0
Well Status at 6:00 am		SCHLUMBERGER (DD)	2						WATER, DRILLING	M3		22.0	449.0
*** Rig release from STWC-05 to STWC-17 on 24 - Dec - 2022 at 02:15 hrs. ***		SCHLUMBERGER (MW)	3			Variable Load		WATER, POTABLE	M3			26.0	411.0
Planned Operation		Halliburton (Wireline)	4			Max Variable Load (kip)							
Run and land 2-7/8" completion tubing. Perform cement job offline. Skid to STWC-17.		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	0.80		4	90	11					
		Edrill	90	Wind Direction (?)		P Bar (mbar)	Current Speed (knots)	Current Direction (?)					
				90.00		1,008.0							
Accidents		Safety Drills											
137.00 days without Lost Time Accident (LTA) PTTEP		PJSM, JSA											
137.00 days without Lost Time Accident (LTA) Rig													

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Rig	Phase		Wimolmas Luewisawakul	Next :		Midnight Depth (mMD/mTVD)	
T-15	6-1/8" x 2-7/8"					3,589.00	2,791.81

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	Code	Sub Code	Dur (hr)
16:00	16:30	Rig down Wireline equipment.	R/D LOG	N/A	0.50
16:30	16:45	Retrieve wear bushing.	WB	N/A	0.25
16:45	17:00	P/U Jetting tool and Jet Wellhead.	JETWH	N/A	0.25
17:00	17:15	Hold PJSM. Rig up 2-7/8" tubing handling equipment.	R/U CSG	Side door elevator	0.25
17:15	17:30	Pick up float shoe, and float collar joint. Check float equipment, ok.	CHEKFLOAT	N/A	0.25
17:30	21:30	Continue run 2-7/8" tubing in case hole to 7" shoe at 1869 m. Hole takes correct displacement. Note: - Avg running speed in CH 19 std/hr (470 m/hr).	RUNCSG CH	Double joint	4.00

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		Supply Boats				Standby Boat						
		Vessel Name		Date arrival	Depart	Vessel Name						
Well Status at 6:00 am												
*** Rig release from STWC-05 to STWC-17 on 24 - Dec - 2022 at 02:15 hrs. ***												
Planned Operation						Variable Load						
Run and land 2-7/8" completion tubing. Perform cement job offline. Skid to STWC-17.						Max Variable Load (kip)						
		Weather Conditions										
Accidents		Safety Drills		Wave Height (m)	Wave Period (sec)	Wave Direction (?)	Wind Speed (knots)					
137.00 days without Lost Time Accident (LTA) PTTEP		PJSM, JSA										
137.00 days without Lost Time Accident (LTA) Rig				Wind Direction (?)	P Bar (mbar)	Current Speed (knots)	Current Direction (?)					



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Rig	Phase		Wimolmas Luewisawakul	Next :		Midnight Depth (mMD/mTVD)	
T-15	6-1/8" x 2-7/8"					3,589.00 2,791.81	

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																	Code	Sub Code	Dur (hr)	
21:30	0:00	RIH 2-7/8" tubing in open hole to 3419 m. Hole takes correct displacement. Note: - Avg running speed in OH 23 std/hr (620 m/hr). === 00:00 - 05:30 operation === 00:00 - 00:15 Make up DHSV. Install control line to DHSV. Pressure test to 7500 psi for 5 mins, ok. 00:15 - 00:45 Continue RIH 2-7/8" Tubing with 5,000 psi in control line from 3419 m to 3560 m. Whilst flushing WH through side outlet valves with SW. Note: - RIH secondary control lines on the last 5 joints. 00:45 - 01:45 Make up tubing hanger with installed BPV. Terminate control line to hanger. Make up running tool land landing string. RIH to 3579 mMD. Tubing hung up at 3579 mMD. Work string pass obstruction. Land tubing hanger at 3581.39 m. Pressure test hanger seal to 6500 psi. Engage lock ring. Pull test 10 klbs over string weight. Pressure test hanger seal to 6500 psi. Release and POOH running tool. Note: - 2-7/8" Tubing shoe at 3581.39 mMD/ 2786.97 mTVD and float collar at 3580.64 mMD. - DHSV at 157.01 m. - P/U wt. 120 klbs, S/O wt. 90 klbs (Including block weight 60 klbs). - Landing weight = 30 klbs (excluding block weight) 01:45 - 02:00 Rig down 2-7/8" tubing handling equipment. 02:00 - 02:15 Hold PJSM. Nipple down bell nipple and BOP. Hang BOP and prepare to skid rig. *** Rig release from STWC-05 to STWC-17 on 24 - Dec - 2022 at 02:15 hrs. *** *** Total day on well Actual/ AFE = 9.45/ 6.86 days. *** 02:15 - 02:45 Hold PJSM. Skid rig from STWC-05 to STWC-17. 02:45 - 03:00 Nipple up BOP and bell nipple. Note: - Risers and wear bushing pre-installed offline 03:00 - 03:15 Pressure test BOP connection against BSR to 300/5300 psi, 5/5 mins. 03:15 - 05:00 Hold PJSM. Pick up and make up 6-1/8" RSS BHA with MLWD-TC and new bit. Load radioactive source. RIH 6-1/8" BHA with 4" HWDP and 4-3/4" Drilling JAR to 306 m.							RUNCSG OH	Double joint	2.50											
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									
													Variable Load									
													Max Variable Load (kip)									
									Weather Conditions													
									Wave Height (m)		Wave Period (sec)		Wave Direction (?)		Wind Speed (knots)							
Accidents						Safety Drills																
137.00 days without Lost Time Accident (LTA) PTTEP						PJSM, JSA																
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Drillstring Assembly																		
BHA Run	BHA																	

Time Log					
Start Time	End Time	Comment	Code	Sub Code	Dur (hr)
		05:00 - 05:15 RIH 6-1/8" RSS BHA with 4" DP from 306 m to 508. Perform shallow test.			
		05:15 - 05:30 RIH 6-1/8" RSS BHA with 4" DP from 508 m to 565 m.			
					Cum Dur
					24.00

Operation Summary		Personnel		Day Total	Cum to Date	Mud Total	Mud Cum to Date	Main Stock				
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						Weather Conditions						
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137.00 days without Lost Time Accident (LTA) Rig				Wind Direction (?)	P Bar (mbar)	Current Speed (knots)	Current Direction (?)					