

		DAILY DRILLING REPORT				REPORT # 008		28/07/2021	
						SPUD: 21/07/2021		DAY # 010	
WELL	West Mereenie 28	24:00 MD/ TVD	358m BRT	DRILLED	5m	AFE DAYS / COST	23	\$6,507,879	
RIG	EWG 27	FORMATION	Mereenie Sandstone	DAILY COST	\$79,575	CUM.	\$2,641,389		
DAILY OP'S SUMMARY		Mix and pump LCM. Replenish drill mud stocks. Attempted to regain circulation. Failed. Blocked Motor. POOH and inspect Bit and change out Motor. Repair Wash-pipe on TD swivel. RIH with new Motor and BHA. Drilled 2m. Lost circulation. Pumped LCM pills. Blocked Circ-sub. Sump freeboard Height 1.8m							
FORECAST OP'S		POOH 12.15" Bit and BHA#2 to inspect Circ-sub and Down Hole Motor. MU Drill BHA and RIH. Drill ahead to 475m. Manage lost circulation zones as required.							
LAST CASING	340mm	13.375"	SET AT	21.0m	MAASP		BOP TEST	NIL	DUE
LAST L.T.I. 814 Days		SAFETY 1. Discussed daily operations, Hazards and controls. Handling 8" DC. Racking 5.5in DC in mast. 2. Mixing LCM pills. Crew aware on MDS. Use of Down Hole Circulation Subs. House keeping has been maintained to a good standard.					WEATHER: Day Fine 22 deg C Night Fine 03 deg C		

BIT INFORMATION			BHA # 3		MUD PROPERTIES		OPERATION		HRS	CUM	
WOB(Klb)	2-22	JET V(fps)	33	TOOL	Mud Type		Water		1 Move/ Rig Up/Down	48.00	
RPM	60	H S I	0.02	Bit - Tri Cone	Depth (m)		358		2 Drilling	1.25 123.00	
BIT NUMBER			3	Down Hole Motor	Density (ppg)		8.65		3 Wash / Ream		
Size (inches)	12.25		12.25	Crossover Sub	ECD (ppg)		8.71		4 Coring		
Make	NOV		Baker	PBL Sub	Temp (" C)				5 Circ & Condition	0.50	
Type	TK665		DS06 TX	Crossover Sub	Viscosity (sec)		38		6 Tripping- Bit / Casing	9.25 18.75	
IADC Code	M620		M619	Drill Collar- 8 1/2"	PV / YP (cp/lb)		4 / 9		6.1 Tripping- Other		
Serial Number	S274769		5310635	Stabiliser	Gels (10s/m)		3 / 3		6.2 Wiper Trip		
T.F.A. (in)	4.712		4.712	Drill Collar- 8 1/2"	API Filt. (cc)		13.0		6.3 Handle BHA	2.00 9.00	
Depth In (m)	202		26	Crossover Sub	Sand (% Vol)		1.0		7 Service / Slip Line	0.50	
Depth Out (m)	358		202	12x Drill Collar- 5 1/2"	KCl (%)		1.9		8 Repairs	1.75 9.00	
Total Meters	156		176	Crossover Sub	pH (strip)		8.0		10 Survey		
Hours IADC OnBtm	50.3 50.3		56 56	Drilling Jars	LGS %/Vol		1.7		11 Logging		
ROP IADC OnBtm	3.1 3.1		3.1 3.1	Crossover Sub	Chlorides (ppm)		9600		12 RU for Csg / Cmt	1.75	
Condition Out	1 NO DTF			3x Drill Collar- 5 1/2"	Surface Vol. (Bbls)		315		12.1 Run Casing	0.50	
FLOW DATA				BHA LENGTH	181.85		Hole Vol.		149	12.2 Cementing	2.00
RATE (gpm/psi)	483		30.5	BHA WEIGHT	42.82		Mud Mixed		200	13 Wait on Cement	9.50
AV - DP (fpm/psi)	88		27	STRING WT	50.75		New Hole Drilled		2.4	14 BOP's / Wellhead	
AV - DC (fpm/psi)	#DIV/0!		#DIV/0!	HOOK LOAD	60.00		Downhole Losses		275	15 Test BOP / Formation	
SPP (psi/atm)	450		31	WT BELOW JARS	35.32		Surface Losses		-83	19 Tight hole / Fishing	
SPP (Calculated)	480		33	HOURS: JAR MTR			CHEMICAL USAGE			21 Completion	
PUMP DATA				DRAG: UP DOWN	1 1		AMCPacLV		3	21.1 Well Control	
#1: Emsco F-800	STROKE	9.0"		TORQUE: ON OFF	2000 500		AMC Quickseal Coarse		16	21.2 Other	9.75 17.50
RATE	119			SURVEYS: MD INC AZ			Xanthan Gum		5	TOTALS	24.00 192.00
LINER	6.75"			0 0 0			Frack Attack		2	NON PRODUCTIVE	9.75 16.25
#2: Emsco F-800							Strata Vanguard		20	PRODUCTS: USED REC ON SITE	
RATE							Cellplug C		8	DIESEL (L)	
LINER										BARITE (T)	
#3: 0										DRILL WATER	64k
RATE										DAILY MUD COSTS \$5,354.48	
LINER										CUM. MUD COSTS \$46,218.23	

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	0:45	[21.2] NPT- Lost circulation. PU and placed Bit at 343m. Mixed 40 bbl LCM pill as per Mud Engineers recommendations.
0:45	1:45	[21.2] NPT- Pumped 20 bbl LCM pill and displaced with 10 bbls of fresh H2O. Allowed LCM Pill to soak into loss zones. Monitored annulus fluid level for 15 minutes.
1:45	2:00	[2] Drill ahead from 353.61m to 356m WOB 5/21K .60 rpm. 450 to ~500 gpm for ~450 to 750 psi SPP. ROP ~1.4 m/hr. Lost circulation at 356.22m. Pumped LCM pill as required and continued to drill ahead.
2:00	4:45	[21.2] NPT- Built Drill mud stocks in mud tanks. Prepare additional 40 bbl LCM pill. Pumped 10 bbls LCM pill and displaced with 10 bbls of drill mud. Allowed to soak.
4:45	5:30	[21.2] NPT- Attempted to Break circulation, SPP reached 1700 psi. Indicated Down Hole Motor blocked. Attempted to free blockage. Failed.
5:30	6:00	[21.2] NPT- Contacted Central Petrol Engineer. Decision made to POOH and inspect Bit and change out Down Hole Motor.
6:00	9:30	[6] POOH with Drill 12.25in Bit and Drilling BHA#2
9:30	11:30	[6.3] L/O Down Hole Motor, Noted: Wear in the shafts section of the motor. Bit remained in good condition. Prepare new Down Hole Motor.
11:30	13:15	[8] Repairs made to the Wash pipe of the top drive assembly.
13:15	14:00	[6] MU 12.25" NOV PDC Bit and New Down Hole Motor. RIH on drilling BHA#2. Received instructions to adjust the Drilling BHA to install 2 x 8" Drill collars. POOH and prepare new BHA#3
14:00	19:00	[6] MU 12.25" NOV PDC Bit and New Down Hole Motor. RIH on drilling BHA#3.
19:00	20:00	[2] Drill ahead from 356.22m to 358.24m WOB 5/14K .30 rpm. 450 to ~500 gpm for ~450 to 550 psi SPP. ROP ~13.4 m/hr. Lost circulation at 358.24m. Pumped 3 x LCM pills (totalling 34bbl of LCM) and displaced with drill mud. Failed to achieve circulation.
20:00	21:00	[21.2] NPT- Mixed additional LCM as per COHO mud engineers recommendations. OCR Contacted CTP engineer to confirmed forward plan for LCM operations.
22:30	23:45	[21.2] NPT- Dropped de-activation balls down DP and engaged mud pump, Mud pump Pressured up and applied 1700 psi on the Drill pipe string. Suspected Circ-sub malfunction or Down Hole Motor blockage.
23:45	0:00	[21.2] NPT- Contacted CTP engineer. Decision made to POOH ~45m to ~290m. Drop a the fast dart activation ball, and attempt to re-open the Circ-sub.
0:00	1:30	POOH from 334m to 275m. Attempted to pump down DP. Failed pressured to 1600psi. Bleed off pressure. Dropped a Fast-Dart activation tool (Circ-sub Activation tool). Allowed Fast-Dart to drop into the Circ-sub. Engaged mud pump and pressured up to 1700 psi. (3 x times). Failed to open the Circ-sub. Decision made to POOH and inspect Circ-sub and Down Hole Motor.
1:30	6:00	POOH with 12.25in Bit and Drilling BHA #3. With Bit at 75m from surface. RU haskel pressure pump and applied 2200 psi onto the DP string. Failed to unblock or de-activate Circ-sub tool. Continued to POOH.

POB-37: EWG - 20, CTP - 4, ADA - 4, Howco - 2, G/Services - 4, O/Creek - 2, Coho - 1, IOT - 0, NMT - 0, Expro - 0, Cactus - 0, DBCH - 0		4,548 Hrs
RECEIVED:		DISPATCHED:
MAXIMUM GAS: .09 U @ 201m	BACKGROUND GAS: .05 U	CONNECTION GAS: .05 U
SUPERVISOR: A Phillis, Norm Nixon.		TRIP GAS:
GEOLOGIST: Phil Allen, Paul Elliot		RIG MGR: Luke Job