

				DAILY DRILLING REPORT				REPORT # 010		30/07/2021		
								SPUD: 21/07/2021		DAY # 012		
WELL	West Mereenie 28		24:00 MD/ TVD		413m BRT		DRILLED		AFE DAYS / COST		23 \$6,507,879	
RIG	EWG 27		FORMATION		Mereenie Sandstone		DAILY COST		\$80,027		CUM. \$2,812,511	
DAILY OP'S SUMMARY			RIH with cement stinger BHA. RU Halco. Pump 48 bbl cement plug. POOH with cement stinger BHA. WOC. Identify Well bore fluid losses. MU cement stinger RIH to 250m. RU Halco, Pump 48 bbls cement plug. POOH stinger. WOC. MU and RIH Drilling BHA #4. Drill-out cement plug/stringers from 95m. freeboard Height 1.82m									
FORECAST OP'S			Continue to Drill-out cement plug/stringers from 95m. Monitor and manage fluid losses. Drill ahead to ~475m									
LAST CASING			340mm		13.375"		SET AT		21.0m		MAASP	
LAST L.T.I. 816 Days			SAFETY		1. Discussed daily operations, Hazards and controls. Identified potential hazards with cement plug operations. 2. Cleaning mud tanks. Monitoring mud tanks during loss circulation periods							
							WEATHER: Day		Fine 22 deg C		Night	
											DUE	

BIT INFORMATION				BHA # 4		MUD PROPERTIES		OPERATION		HRS	CUM	
WOB(Klb)	2-8	JET V(fps)	25	TOOL	LENGTH	Mud Type	Water	1 Move/ Rig Up/Down			48.00	
RPM	33	H S I	0.01	Bit - PDC	0.40	Depth (m)	413	2 Drilling			129.00	
BIT NUMBER				3		Down Hole Motor		9.60				
Size (inches)	12.25	12.25	2x Drill Collar- 8 1/2"	18.61	2x Drill Collar- 8 1/2"	18.61	ECD (ppg)	8.41	4 Coring			
Make	NOV	NOV	Stabiliser	1.89	2x Drill Collar- 8 1/2"	18.66	Temp (° C)		5 Circ & Condition	4.50	5.25	
Type	TK665	TK665	Crossover Sub	0.35	11x Drill Collar- 5 1/2"	100.98	PV / YP (cp/lb)	1 / 1	6 Tripping- Bit / Casing	1.50	34.00	
IADC Code	M620	M620	Crossover Sub	0.41	6x Heavy Weight DP	55.41	Gels (10s/m)	1 / 1	6.1 Tripping- Other	5.25	5.75	
Serial Number	S274769	S274769	Drilling Jars	9.56	Crossover Sub	0.76	API Filt. (cc)	N/C	6.2 Wiper Trip			
T.F.A. (in)	4.712	4.712	3x Drill Collar- 5 1/2"	27.08	Crossover Sub	0.50	Sand (% Vol)		6.3 Handle BHA	1.25	12.75	
Depth In (m)	358	202	6x Heavy Weight DP	55.41	Crossover Sub	0.50	KCl (%)		7 Service / Slip Line		0.50	
Depth Out (m)	358	358	Hours IADC OnBtm	50.5 5.8	50.5 50.5	ROP IADC OnBtm	0 0	3.1 3.1	8 Repairs		9.75	
Total Meters		156	Condition Out	1 NO DTF			Surface Vol. (Bbls)		277	12.1 Run Casing		
Hours IADC OnBtm	50.5 5.8	50.5 50.5	FLOW DATA		BHA LENGTH		244.21		Hole Vol.	171	12.2 Cementing	
ROP IADC OnBtm	0 0	3.1 3.1	RATE (gpm/lps)		365		23.0		Mud Mixed	165	13 Wait on Cement	
Condition Out	1 NO DTF			AV - DP (fpm/MPM)		67		20		New Hole Drilled		14 BOP's / Wellhead
				AV - DC (fpm/MPM)		115		35		Downhole Losses	120	15 Test BOP / Formation
				SPP (psi/atm)		280		19		Surface Losses	14	19 Tight hole / Fishing
				SPP (Calculated)		420		29		CHEMICAL USAGE		21 Completion
				PUMP DATA		DRAG: UP DOWN		1		AMCPacLV		3
				#1: Emsco F-800		STROKE		9.0"		AMC Quickseal Fine		6
				RATE		90				AMC Quickseal Medium		6
				LINER		6.75"				Citric Acid		6
				#2: Emsco F-800		STROKE				Sodium Bicarbonate		6
				RATE						Xanthan Gum		2
				LINER						Cellulose Gum		40
				#3: 0		STROKE						
				RATE						DAILY MUD COSTS		\$4,457.30
				LINER						CUM. MUD COSTS		\$66,202.27

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	0:25	[12.2] PTSM. Rigged up to and pumped LC Cement plug #1. 47.8 bbls of 15.8 ppg cement for 100m plug.
0:25	2:45	[6.1] RD Halco and POOH to ~190m. Flushed cement string with 4 bbls Freshwater. POOH to surface.
2:45	4:00	[13] Waited on cement. Built water volume for drilling. PU Down Hole Motor and flushed with fresh H2O.
4:00	6:00	[5] Continued to Wait on cement. Crew performed general repairs and maintenance.
6:00	8:00	[5] Pumped 150 bbls of fresh H2O into Well bore. Failed to fill Well. Consult with CTP engineer to formulate forward plan. Decision made to conduct a second 100m cement plug
8:00	9:15	[6.3] MU cement stringer BHA (10x joints of 2-3/8" EUE tubing) and RIH on to 4" DP to place bottom of stringer at ~250m
9:15	10:45	[6] Wait on Halco cement operators. (On a fatigue break)
10:45	12:45	[12.2] PTSM. Rigged up to and pumped LC Cement plug #2. 47.8 bbls of 15.8 ppg cement for 100m plug.
12:45	13:15	[19] RD Halco. PU on cement string. Pulled from 30k lbs to ~180k lbs with 6500 lbs torque, to free cement string from ~250m. Suspected the 100m cement plug had flashed set.
13:15	14:30	[12.2] POOH with cement stinger assembly and 4" DP to surface.
14:30	15:45	[13] Wait on cement, cleaned DP and 2-3/8" EUE tubing, Cleanwd Work floor and pre-prepare Drilling BHA.
15:45	16:15	[5] Pumped 60 bbls of fresh H2O and filled Well bore. Consult with CTP engineer to formulate forward plan. Decision made to RIH with Drilling BHA#4
16:15	19:15	[6.1] Picked up and RIH with 12 1/4" Bit and drilling BHA#4 tagged loose cement @ ~95m.
19:15	0:00	[3] Washed/reamed cement and cement stringers from 95m to 152.45m. WOB 3-7 k, Rotary 30-60 RPM, OFF BTM TQE 800- 3500ft.lbs, 350 GPM, SPP 250 psi.

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 31/07/21		
0:00	6:00	Washed/reamed cement and cement stringers from 152.45m to 252m RT. WOB 3-7 k, Rotary 30-60 RPM, OFF BTM TQE 800- 3500ft.lbs, 390 GPM, SPP

POB-38: EWG - 20, CTP - 4, ADA - 4, Howco - 2, G/Services - 4, O/Creek - 2, Coho - 2, IOT - 0, NMT - 0, Expro - 0, Cactus - 0, DBCH - 0										5,460 Hrs	
RECEIVED:					DISPATCHED:						
MAXIMUM GAS: .09 U @ 201m			BACKGROUND GAS: .05 U			CONNECTION GAS: .05 U			TRIP GAS:		
SUPERVISOR: A Phillis, Norm Nixon.					GEOLOGIST: Phil Allen, Paul Elliot					RIG MGR: Luke Job	