

			DAILY DRILLING REPORT				REPORT # 027		16/08/2021			
							SPUD: 21/07/2021		DAY # 029			
WELL	West Mereenie 28	24:00 MD/ TVD	1243m BRT	DRILLED		AFE DAYS / COST	23	\$6,507,879				
RIG	EWG 27	FORMATION	Pacoota P1: Upper and Lower. Pacoota P2.		DAILY COST	\$104,488	CUM.	\$4,530,826				
DAILY OP'S SUMMARY		Completed mixing 420 bbl 12.0ppg kill fluids. RIH to TD (1243m). Kill Well. Wait for extra chemicals. Mixed and spotted LCM. Kill Well.										
FORECAST OP'S		Kill Well. POOH to conduct open hole logging.										
LAST CASING	244mm	9.625"	SET AT	459.4m	FIT	12.7 EMW	MAASP	39psi	BOP TEST	04/08	DUE	25/08
LAST L.T.I. 833 Days		SAFETY	1. Pre-tour meetings conducted. Discussed work scope, Hazards and control measures. Focus areas. 2. Crews using Assist and Asure. Discussed Mixing LCM.					WEATHER: Day		Fine 24 deg C		
								Night		Fine 1 deg C		

BIT INFORMATION			BHA # 6		MUD PROPERTIES		OPERATION	HRS	CUM	
WOB(Klb)	JET V(fps)		TOOL	LENGTH	Mud Type	KCL/NIF	1 Move/ Rig Up/Down		48.00	
RPM	H S I		Bit - PDC	0.28	Depth (m)	1243	2 Drilling		251.75	
BIT NUMBER	6	5	Bit Sub	0.89	Density (ppg)	12.20	3 Wash / Ream		32.75	
Size (inches)	8.5	8.5	Crossover Sub	0.50	ECD (ppg)		4 Coring			
Make	Reed	Smith	Float Sub	0.92	Temp (° C)		5 Circ & Condition		42.00	
Type	PDC Hycalog	Hammer	FS / XO / FS	0.92	Viscosity (sec)	48	6 Tripping- Bit / Casing		55.75	
IADC Code	TK-66		18x Heavy Weight DP	168.43	PV / YP (cp/lb)	17 / 20	6.1 Tripping- Other		19.25	
Serial Number	A278400	SA7178	Crossover Sub	0.81	Gels (10s/m)	11 / 15	6.2 Wiper Trip	2.00	12.75	
T.F.A. (in)	14.137	4.712	Drilling Jars	9.56	API Filt. (cc)	6.0	6.3 Handle BHA		42.50	
Depth In (m)	1182	467	Crossover Sub	0.81	Sand (% Vol)		7 Service / Slip Line		1.75	
Depth Out (m)	1243	1182	8x Heavy Weight DP	75.16	KCl (%)	3.7	8 Repairs		17.50	
Total Meters	61	715			pH (strip)	8.5	10 Survey		0.75	
Hours IADC OnBtm	6.8 6.8	108 103.8			LGS %/Vol	10.9	11 Logging			
ROP IADC OnBtm	9 9	6.6 6.9			Chlorides (ppm)	100000	12 RU for Csg / Cmt		7.50	
Condition Out	1 1 NO A X 0 NO BHA				Surface Vol. (Bbls)	176	12.1 Run Casing		7.50	
FLOW DATA			BHA LENGTH	258.28	Hole Vol.	269	12.2 Cementing		14.25	
RATE (gpm/lps)			BHA WEIGHT	18.65	Mud Mixed		13 Wait on Cement		21.00	
AV - DP (fpm/mpm)			STRING WT	60.21	New Hole Drilled		14 BOP's / Wellhead		13.50	
AV - DC (fpm/mpm)			HOOK LOAD	90.00	Downhole Losses	82	15 Test BOP / Formation	2.00	19.50	
SPP (psi/atm)	400	27	WT BELOW JARS	11.39	Surface Losses	89	19 Tight hole / Fishing		0.50	
SPP (Calculated)			HOURS: JAR MTR	7.0	CHEMICAL USAGE		21 Completion			
PUMP DATA			DRAG: UP DOWN	2	2	AMC Quickseal Fine	27	21.1 Well Control	20.00	70.00
#1: Emsco F-800	STROKE	9.0"	TORQUE: ON OFF	3900	200	AMC Quickseal Medium	27	21.2 Other		17.50
RATE			SURVEYS: MD INC" AZ"			Baryte	512	TOTALS	24.00	648.00
LINER	6.75"		1206 2.3 41.2			Star Shield	50	NON PRODUCTIVE		73.75
#2: Emsco F-800	STROKE					Calcium carbonate	256	PRODUCTS: USED REC ON SITE		
RATE						DrillFoam X	1	DIESEL (L)		
LINER								BARITE (T)		
#3: 0	STROKE							DRILL WATER		75k
RATE								DAILY MUD COSTS		\$16,908.10
LINER								CUM. MUD COSTS		\$314,134.90

HOURLY OPERATIONS SUMMARY 0000 to 2400			
From	To	IADC Code	Description
0:00	6:00	[21.1]	Continued to mix and build 420bbl from 11.7ppg to 12.0ppg Kill mud weight as per Coho mud engineers recommendation.
6:00	8:00	[6.2]	RIH from Shoe to 1236m
8:00	8:30	[15]	PJSM, Shut well in and shut down Air package, set up to flow test well.
8:30	10:00	[15]	Open well through 3/4" Choke flowed for 30min Pressure stabilized at 189psi, 2.5MMscfd Shut in after 45min SICP was 340psi.
10:00	11:30	[21.1]	Mixed the rest of the weighting agent on site Barite and Calcium Carbonate also add Star Shield, 12ppg to 12.2ppg leave well shut in while mix chemicals, 127min total Max Press 347psi.
11:30	14:00	[21.1]	PJSM, Attempt to Kill well with 400BBls of 12.2ppg LCM/ Kill mud lost 80bbls during kill operations, Hold back pressure max 580psi at 120bbls into kill keep bleeding down each 20bbls pumped to 150psi at end of circ, had some returns 11.8ppg, then static loses.
14:00	18:00	[21.1]	Shut well in & monitor SICP 151psi, Let LCM soak, while waiting on additional mud chemicals. Flushed Drill pipe with 12.2ppg mud periodically, took up to 8bbls to fill hole.
18:00	21:00	[21.1]	Continued to wait on additional mud chemicals. Continued to flush DP with 12.2ppg mud every 60 minutes, taking 3-2bbls to fill hole
21:00	22:00	[21.1]	Unloaded chemicals from Higgins transport. Commenced to mix additional fluids in mud tanks. Continued to flush DP with 12.2ppg mud ever hour.
22:00	23:30	[21.1]	Mixed 40bbl of 40ppb LCM and 12.2ppg MD SICP recorded at 30psi. Sufficient mud weight mixed in mud tanks to spot the 40 bbl high vis LCM across the P1 and P2 formations.
23:30	0:00	[21.1]	PJSM, Pumped 37 bbl LCM pill and spotted with 50 bbls of 12.2ppg mud. Pump rate at 230GPM, 400psi SPP, Placed LCM Pill across both P1 and P2 formations from ~1240m to ~1025m. Monitored Well bore returns during pumping operations. 10.6ppg Last recorded return MW at the de-gasser. Annulus pressure during circulation at 120psi. Note: Pumped a total of 87 bbl and recovered a total of 87 bbls. Indicated zero bbls lost to formation during circulation.

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 17/08/21			
From	To	Description	
0:00	2:00	Shut-in Well and allowed LCM to soak across the P1 / P2 loss zones. Monitored build up of SICP. Commenced to condition the recovered mud, Mixed to 12.2ppg. Continued to flush DP every hour	
2:00	2:30	Pumped on DP, Pulled to 135klbs. To free string from stuck position. Pumped 160bbls of 12.2ppg drill mud. Monitored returns at the de-gasser. Recorded 11.7ppg MW after pumping 160bbl.	
2:30	3:00	Nil Gas flow at the flare line. Open Well and conducted flow check.	
3:00	3:30	Well pressures remained stable. Well bore fluid level stable, with No indications of Gas babbles in the annulus fluids.	
3:30	3:45	Prepared fluids in trip tank, Removed RCD rubber.	
3:45	6:00	POOH with BHA #06, to conduct Open Hole Logs. Noted tight hole at ~1166m. Reamed across depth and continued to POOH.	

POB-45: EWG - 19, CTP - 4, ADA - 4, Howco - 2, G/Services - 4, O/Creek - 2, Coho - 1, IOT - 4, NMT - 0, Expro - 3, Cactus - 0, Enermech - 2								13,488 Hrs					
RECEIVED: 4 x Pallets Barite				DISPATCHED:									
MAXIMUM GAS:		4999 U @ 1118m		BACKGROUND GAS:		2700 U		CONNECTION GAS:		4900 U		TRIP GAS:	
SUPERVISOR: Kev Dau / Norm Nixon.				GEOLOGIST: Phil Allen, Paul Elliot				RIG MGR: Trevor Wigley					