

			DAILY DRILLING REPORT				REPORT # 022		11/08/2021			
							SPUD: 21/07/2021		DAY # 024			
WELL	West Mereenie 28	24:00 MD/ TVD	1182.5 / 1182m BRT	DRILLED	8m	AFE DAYS / COST	23	\$6,507,879				
RIG	EWG 27	FORMATION	Pacoota P1: Upper and Lower		DAILY COST	\$87,967	CUM.	\$3,919,458				
DAILY OP'S SUMMARY		Continued to drill ahead with Polymer/Foam-Air from 1169m to 1182m. Received instructions to POOH and change Bit, Kill Well with 9.8ppg Kill mud. Increased Kill MW to 10.1ppg. Circulate Well bore to new Kill MW, Sump free board 2m.										
FORECAST OP'S		Continued to Kill Well. POOH and change Bit. RIH with New Bit. Off-load Well bore fluids. Continue to drill ahead with Polymer/Foam-N2 from 1182m, Drill to CSG point prior to the P3.										
LAST CASING	244mm	9.625"	SET AT	459.4m	FIT	12.7 EMW	MAASP	204psi	BOP TEST	04/08	DUE	25/08
LAST L.T.I. 828 Days		SAFETY		1. TBM. POOH with primary Jet engaged on Bloolie line. Communication requirements during tripping operations. 2. Mixing Kill mud. SDS sheets available.				WEATHER: Day		Fine 28 deg C		
								Night		Fine 4 deg C		

BIT INFORMATION				BHA # 4		MUD PROPERTIES		OPERATION		HRS	CUM
WOB(Klb)	1-5	JET V(fps)		TOOL	LENGTH	Mud Type	KCI Polymer	1 Move/ Rig Up/Down			48.00
RPM	22	H S I		Bit- Impreg	0.65	Depth (m)	1182	2 Drilling	8.75		250.75
BIT NUMBER	5	RR4		7.5" Air hammer	1.37	Density (ppg)	10.10	3 Wash / Ream			32.00
Size (inches)	8.5	8.75		Float Sub	0.89	ECD (ppg)		4 Coring			
Make	Smith	Reed		2x Drill Collar- 5 1/2"	18.19	Temp (° C)		5 Circ & Condition			16.00
Type	Hammer	TCI		Crossover Sub	0.74	Viscosity (sec)	48	6 Tripping- Bit / Casing			43.50
IADC Code		437		MWD	9.90	PV / YP (cp/lb)	8 / 17	6.1 Tripping- Other			18.00
Serial Number	SA7178			Crossover Sub	0.77	Gels (10s/m)	7 / 8	6.2 Wiper Trip			4.00
T.F.A. (in)		0.589		3x Drill Collar- 5 1/2"	27.41	API Filt. (cc)	5.0	6.3 Handle BHA			31.75
Depth In (m)	467	463		Crossover Sub	0.41	Sand (% Vol)		7 Service / Slip Line			1.75
Depth Out (m)	IN	467		Drilling Jars	9.56	KCI (%)	4.0	8 Repairs	0.50		16.50
Total Meters	715.5	4		Crossover Sub	0.76	pH (strip)	9.0	10 Survey			0.75
Hours IADC OnBtm	113.8 109.6	1.8 1.8		Drill Collar- 5 1/2"	8.95	LGS %/Vol	5.0	11 Logging			
ROP IADC OnBtm	6.3 6.5	2.3 2.3		Crossover Sub	0.60	Chlorides (ppm)	120000	12 RU for Csg / Cmt			7.50
Condition Out	1 2 WT A 0 0 NO TD			10x Heavy Weight DP	93.38	Surface Vol. (Bbls)	354	12.1 Run Casing			7.50
FLOW DATA				BHA LENGTH		Hole Vol.		12.2 Cementing			14.25
RATE (gpm/lps)				173.58		254		Mud Mixed			21.00
AV - DP (fpm/mpm)				BHA WEIGHT		200		New Hole Drilled			13.50
AV - DC (fpm/mpm)				22.39		1.7		Downhole Losses			16.25
SPP (psi/atm)	580	39		STRING WT		66.65		Surface Losses			0.50
SPP (Calculated)				HOOK LOAD		84.00		CHEMICAL USAGE			21 Completion
PUMP DATA				WT BELOW JARS		11.95		288			21.1 Well Control
#1: Emsco F-800				HOURS: JAR MTR		2 2		3			21.2 Other
STROKE				2		2		2			TOTALS
9.0"				TORQUE: ON OFF		400 1200		2			24.00
RATE				SURVEYS: MD INC° AZ°		1149 1.6 37.8		2			528.00
LINER				6.75"				3			NON PRODUCTIVE
#2: Emsco F-800											0.50
STROKE											72.75
LINER											PRODUCTS: USED REC ON SITE
#3: 0											DIESEL (L)
STROKE											BARITE (T)
LINER											DRILL WATER
											50k
											DAILY MUD COSTS
											\$3,337.11
											CUM. MUD COSTS
											\$132,664.84

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	3:00	[2] Drill ahead 8 1/2" hole with Air hammer from 1175m to 1181m, 0-5k WOB, 22RPM, 2100scfm, 340psi, 1200ft.lbs TRQ, 20GPM Mist, 20GPH Foam and 1.4GPH Hammer oil, Avg ROP 1.6m/hr
3:00	8:45	[2] Drill ahead 8 1/2" hole with Air hammer from 1179m to 1182.5m 0-5k WOB, 22RPM, 2100scfm, 428psi, 790ft.lbs TRQ, 20GPM Mist, 20GPH Foam and 1.4GPH Hammer oil, Avg ROP 0.6m/hr
8:45	13:30	[21.1] PJSM prior to POOH/FBC on primary jet, Smoke observed at end of bloolie line flare, by-pass air, Pumped 270bbls of 9.8ppg kill mud down string, change over to go through Choke, Continue pumping at 200GPM 470psi SPP holding 200psi back pressure while increasing mud weight to 9.9ppg with Barites to kill the well.
13:30	14:00	[21.1] Stopped pumps, Flow checked well, well flowing, shut in for 5min press built up to 30psi.
14:00	15:00	[21.1] Continue Circ increase mud density from 9.9ppg with Barites
15:00	15:30	[8] NPT- Rig Repair, Work on Mud Pump fluid end, Shut well in press up to 230psi in 12min, Bleed off keep below 230psi (MASP)
15:30	16:30	[21.1] Continue Circ increase mud density from 9.9ppg to 10+ppg with Barites. 10.1ppg mud in and 10ppg mud out
16:30	17:00	[21.1] Stopped circ. Monitored Well. Noted percolated gas from Well bore fluids.
17:00	18:00	[21.1] Continued to Circ Well bore. mud density from 10.1ppg to 10+ppg with Barites. Noted Mud return weight decreased to 9.5 to 9.7ppg.
18:00	19:45	[21.1] Stopped mud pump. Monitored Well allowed Well to breath. Added defoamer to mud tank fluids. Checked Mud tank MW at 10.1ppg.
19:45	23:00	[21.1] Continued to Circ Well bore with 10.1ppg mud density. Held 170 to 200psi back pressure on annulus. Returns taken back through the choke, and degasser. Added defoamer to the fluid returns. Continued with circulation monitored the return MW (10ppg)
23:00	23:15	[21.1] Held discussion with CTP responsible engineer. Suspected insufficient Kill MW in Well bore. Received instructions to weigh-up kill mud density.
23:15	0:00	[21.1] Continued to circulate and commenced to increase kill mud density to 10.2ppg. Pump rate at 220GPM with SPP at 580psi. Monitored kill mud returns and flare line pressures.

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 12/08/21		
0:00	3:15	Continued to circulate and commenced to increase kill mud density to 10.5ppg. Pump rate at 220GPM with SPP at 585 - 600psi. Monitored kill mud returns 10.2ppg. Pason Gas reading at the shakers at ~2%
3:15	4:15	Mud pump problem. Stopped circulation and fixed mud pump[p. Flow checked Well bore. Noted: Gas bubbles percolating. Shut-in Well and pressure built up to 70psi in 10 minutes.
4:15	6:00	Mud pump repaired. Re-commenced Well kill circulation. Pumped 10.5ppg kill fluids. Pump rate at 220GPM with SPP at 595psi. Held 160psi back pressure on annulus. Initial MW returns at 9.8ppg. Continued to increase KMW to 10.6ppg, while monitoring fluid returns.

POB-42: EWG - 19, CTP - 5, ADA - 4, Howco - 2, G/Services - 3, O/Creek - 2, Coho - 1, IOT - 4, NMT - 0, Expro - 0, Cactus - 0, Enermech - 2										10,932 Hrs																			
RECEIVED:					DISPATCHED:																								
MAXIMUM GAS:			4999 U @ 1118m			BACKGROUND GAS:			1300 U			CONNECTION GAS:			2700 U			TRIP GAS:											
SUPERVISOR:					Kev Dau / Norm Nixon.					GEOLOGIST:					Phil Allen, Paul Elliot					RIG MGR:					Trevor Wigley				