

			DAILY DRILLING REPORT				REPORT # 017		6/08/2021			
							SPUD: 21/07/2021		DAY # 019			
WELL	West Mereenie 28	24:00 MD/ TVD	684m BRT	DRILLED	217m	AFE DAYS / COST	23	\$6,507,879				
RIG	EWG 27	FORMATION	Lower Stokes Siltstone	DAILY COST	\$83,703	CUM.	\$3,470,694					
DAILY OP'S SUMMARY		Drilled ahead with Air/mist system from 467m to 684m avg ROP 10.2m/hr, Free board on Sump 0.8m										
FORECAST OP'S		Drill ahead with Air/mist system from 684m as per programme.										
LAST CASING	244mm	9.625"	SET AT	459.4m	FIT	12.7 EMW	MAASP	227psi	BOP TEST	04/08	DUE	25/08
LAST L.T.I. 823 Days		SAFETY 1. Exclusion zones, pinch points doing connections. 2. Press testing High press lines.					WEATHER: Day Fine 21 deg C Night Fine 3 deg C					

BIT INFORMATION			BHA # 4		MUD PROPERTIES		OPERATION		HRS	CUM
WOB(Klb)	1-7	JET V(fps)	TOOL	LENGTH	Mud Type	KCL Polymer	1 Move/ Rig Up/Down			48.00
RPM	30	H S I	Bit- Impreg	0.65	Depth (m)	644	2 Drilling		23.00	160.00
BIT NUMBER	4	3	7.5" Air hammer	1.37	Density (ppg)	9.80	3 Wash / Ream			32.00
Size (inches)	8.5	12.25	10x Float Sub	89.00	ECD (ppg)		4 Coring			
Make	Smith	NOV	2x Drill Collar- 5 1/2"	18.19	Temp (° C)		5 Circ & Condition			13.25
Type	Hammer	TK665	Crossover Sub	0.74	Viscosity (sec)	64	6 Tripping- Bit / Casing			43.50
IADC Code		M620	MWD	9.90	PV / YP (cp/lb)	16 / 25	6.1 Tripping- Other			18.00
Serial Number	SA7178	S274769	Crossover Sub	0.77	Gels (10s/m)	8 / 9	6.2 Wiper Trip			4.00
T.F.A. (in)		4.712	3x Drill Collar- 5 1/2"	27.41	API Filt. (cc)	1.0	6.3 Handle BHA			31.75
Depth In (m)	358	202	Crossover Sub	0.41	Sand (% Vol)		7 Service / Slip Line	0.50		1.00
Depth Out (m)	IN	358	Drilling Jars	9.56	KCl (%)	4.0	8 Repairs			11.00
Total Meters	326	156	Crossover Sub	0.76	pH (strip)	9.5	10 Survey	0.50		0.75
Hours IADC OnBtm	36.8 36.8	50.5 50.5	Drill Collar- 5 1/2"	8.95	LGS %/Vol	1.4	11 Logging			
ROP IADC OnBtm	8.9 8.9	3.1 3.1	Crossover Sub	0.60	Chlorides (ppm)	135000	12 RU for Csg / Cmt			7.50
Condition Out	1 1 WT N X 1 NO TD		10x Heavy Weight DP	93.38	Surface Vol. (Bbls)	464	12.1 Run Casing			7.50
FLOW DATA			BHA LENGTH	261.69	Hole Vol.	142	12.2 Cementing			14.25
RATE (gpm/lps)			BHA WEIGHT	41.19	Mud Mixed	200	13 Wait on Cement			21.00
AV - DP (fpm/MPM)			STRING WT	59.82	New Hole Drilled	50.0	14 BOP's / Wellhead			13.50
AV - DC (fpm/MPM)			HOOK LOAD	64.00	Downhole Losses	305	15 Test BOP / Formation			10.75
SPP (psi/atm)	360	24	WT BELOW JARS	30.70	Surface Losses	-230	19 Tight hole / Fishing			0.50
SPP (Calculated)			HOURS: JAR MTR		CHEMICAL USAGE		21 Completion			
PUMP DATA			DRAG: UP DOWN	1 2	Citric Acid	1	21.1 Well Control			0.25
#1: Emsco F-800	STROKE	9.0"	TORQUE: ON OFF	200 930	Potassium Chloride	26	21.2 Other			17.50
RATE			SURVEYS: MD INC AZ		Soda Ash	2	TOTALS		24.00	408.00
LINER	6.75"		465 0.7 30	542 1.9 32.8	Sodium Bicarbonate	1	NON PRODUCTIVE			67.25
#2: Emsco F-800	STROKE		485 1 35.2	552 2.2 28	Sodium Chloride	144	PRODUCTS: USED REC ON SITE			
RATE			494 1.3 28.8	562 2 28.6	Sodium Sulphite	1	DIESEL (L)			
LINER			504 1.4 32.8	571 2.1 27.8	Xanthan Gum	2	BARITE (T)			
#3: 0	STROKE		514 1.5 33.5	580 2.2 29.7	Glut 9	1	DRILL WATER			
RATE			523 1.6 30.8	590 1.8 32.1	Starch P	9	DAILY MUD COSTS			\$2,826.45
LINER			533 1.8 27.8	600 2 30.1	DrillFoam X	3	CUM. MUD COSTS			\$103,794.59

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	2:15	[2] Drill ahead 8 1/2" hole with Air hammer from 467m to 472m, 0-5k WOB, 20RPM, 2000scfm, 358psi, 650ft.lbs TRQ.
2:15	2:45	[10] Down link & wake up XEM tool, in consultation with SLB in town, take survey tool working ok.
2:45	6:00	[2] Drill ahead 8 1/2" hole with Air hammer from 472m to 520m, 0-5k WOB, 30RPM, 2000scfm, 398psi, 1100ft.lbs TRQ, 6-10GPM Mist, 9GPH foam and 2GPH Hammer oil, Avg ROP 14.7m/hr
6:00	9:00	[2] Drill ahead 8 1/2" hole with Air hammer from 520m to 560m, 0-5k WOB, 20-30RPM, 2060scfm, 320psi, 1000ft.lbs TRQ, 10GPM Mist, 9GPH Foam and 2.2GPH Hammer oil, Avg ROP 13.3m/hr
9:00	12:00	[2] Drill ahead 8 1/2" hole with Air hammer from 560m to 577m, 0-7k WOB, 20-30RPM, 2060scfm, 350psi, 1200ft.lbs TRQ, 15GPM Mist, 15GPH Foam and 2.2GPH Hammer oil, Avg ROP 5.6m/hr
12:00	15:00	[2] Drill ahead 8 1/2" hole with Air hammer from 577m to 603m, 0-5k WOB, 20-30RPM, 1920scfm, 352psi, 950ft.lbs TRQ, 15GPM Mist, 15GPH Foam and 2.2GPH Hammer oil, Avg ROP 8.6m/hr
15:00	18:00	[2] Drill ahead 8 1/2" hole with Air hammer from 603m to 630m, 0-5k WOB, 20-30RPM, 1920scfm, 305psi, 850ft.lbs TRQ, 15GPM Mist, 15GPH Foam and 2.2GPH Hammer oil, Avg ROP 9m/hr
18:00	22:00	[2] Drill ahead 8 1/2" hole with Air hammer from 630m to 674m, 0-5k WOB, 20-30RPM, 1920scfm, 354psi, 950ft.lbs TRQ, 15GPM Mist, 12GPH Foam and 2.2GPH Hammer oil, Avg ROP 11m/hr
22:00	22:30	[7] Circulated well clean, Serviced Rig
22:30	0:00	[2] Drill ahead 8 1/2" hole with Air hammer from 674m to 684m, 0-5k WOB, 20-30RPM, 1920scfm, 354psi, 950ft.lbs TRQ, 15GPM Mist, 12GPH Foam and 2.2GPH Hammer oil, Avg ROP 6.6m/hr

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 07/08/21		
0:00	1:15	Work pipe, ADA mist pump suction clogged up, repair same.
1:15	2:15	Drill ahead 8 1/2" hole with Air hammer from 684m to 693m, 0-5k WOB, 20-30RPM, 1920scfm, 354psi, 950ft.lbs TRQ, 15GPM Mist, 12GPH Foam and 2.2GPH Hammer oil, Avg ROP 9m/hr
2:15	3:00	Work pipe, ADA mist pump lost suction repair same.
3:00	6:00	Drill ahead 8 1/2" hole with Air hammer from 693m to 720m, 0-5k WOB, 20-30RPM, 2000scfm, 360psi, 930ft.lbs TRQ, 15GPM Mist, 12GPH Foam and 2GPH Hammer oil, Avg ROP 9m/hr

POB-36: EWG - 20, CTP - 4, ADA - 4, Howco - 2, G/Services - 3, O/Creek - 2, Coho - 1, IOT - 0, NMT - 0, Expro - 0, Cactus - 0, DBCH - 0								8,556 Hrs	
RECEIVED: CoHo Chemicals, Twin Air Compressor, 2 x Dyers and 1 x Membrane unit					DISPATCHED: Expro CBL tool				

MAXIMUM GAS:		BACKGROUND GAS:		CONNECTION GAS:		TRIP GAS:	
SUPERVISOR: A Phillis / Kev Dau.		GEOLOGIST: Phil Allen, Paul Elliot		RIG MGR:		Luke Job	