

		DAILY DRILLING REPORT				REPORT # 016		5/08/2021				
						SPUD: 21/07/2021		DAY # 018				
WELL	West Mereenie 28	24:00 MD/ TVD	467m BRT	DRILLED	4m	AFE DAYS / COST	23	\$6,507,879				
RIG	EWG 27	FORMATION	Upper Stokes Siltstone	DAILY COST	\$136,270	CUM.	\$3,431,991					
DAILY OP'S SUMMARY		RIH, Drill out cement and shoe track, drilled new formation to 467m, Circ, conduct LOT with Halliburton to 12.8ppg WMD, POOH, M/U Air hammer BHA, RIH Blow well dry, Sump Free board 1.7m.										
FORECAST OP'S		Drill ahead with Air/mist system from 467m 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. 822 Days		SAFETY 1. Handling BHA, Pinch points with dog collar. 2. Tripping, using Chemicals, PPE.					WEATHER: Day Fine 19 deg C Night Fine 3 deg C					

BIT INFORMATION				BHA # 4		MUD PROPERTIES			OPERATION		HRS	CUM
WOB(Kib)	5-10	JET V(fps)	#DIV/0!	TOOL	LENGTH	Mud Type	KCL Polymer		1 Move/ Rig Up/Down		48.00	
RPM	50	H S I	#DIV/0!	Bit- Impreg	0.65	Depth (m)	467	467	2 Drilling	1.75	137.00	
BIT NUMBER	4	3		7.5" Air hammer	1.37	Density (ppg)	8.60	9.80	3 Wash / Ream	3.00	32.00	
Size (inches)	8.5	12.25		10x Float Sub	89.00	ECD (ppg)	8.64	9.84	4 Coring			
Make	Smith	NOV		2x Drill Collar- 5 1/2"	18.19	Temp (° C)			5 Circ & Condition	1.50	13.25	
Type	Hammer	TK665		Crossover Sub	0.74	Viscosity (sec)	30	62	6 Tripping- Bit / Casing	8.00	43.50	
IADC Code		M620		MWD	9.90	PV / YP (cp/lb)	1 / 3	16 / 25	6.1 Tripping- Other		18.00	
Serial Number	SA7178	S274769		Crossover Sub	0.77	Gels (10s/m)	1 / 1	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	1.0	6.3 Handle BHA	7.25	31.75	
Depth In (m)	358	202		Crossover Sub	0.41	Sand (% Vol)		0.3	7 Service / Slip Line		0.50	
Depth Out (m)	IN	358		Drilling Jars	9.56	KCl (%)		4.0	8 Repairs	1.25	11.00	
Total Meters	109	156		Crossover Sub	0.76	pH (strip)	10.5	9.0	10 Survey	0.25	0.25	
Hours IADC OnBtm	13.8 13.8	50.5 50.5		Drill Collar- 5 1/2"	8.95	LGS %/Vol	1.7		11 Logging			
ROP IADC OnBtm	7.9 7.9	3.1 3.1		Crossover Sub	0.60	Chlorides (ppm)	2500	162000	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)	389		12.1 Run Casing		7.50	
FLOW DATA				BHA LENGTH	261.69	Hole Vol.	96		12.2 Cementing		14.25	
RATE (gpm/lps)	304	19.2		BHA WEIGHT	41.19	Mud Mixed	60		13 Wait on Cement		21.00	
AV - DP (fpm/MPM)	133	40		STRING WT	50.25	New Hole Drilled	0.9		14 BOP's / Wellhead		13.50	
AV - DC (fpm/MPM)	419	128		HOOK LOAD	50.00	Downhole Losses	4		15 Test BOP / Formation	0.75	10.75	
SPP (psi/atm)	413	28		WT BELOW JARS	30.70	Surface Losses	3		19 Tight hole / Fishing		0.50	
SPP (Calculated)				HOURS: JAR MTR		CHEMICAL USAGE			21 Completion			
PUMP DATA				DRAG: UP DOWN		Potassium Chloride	45		21.1 Well Control	0.25	0.25	
#1: Emsco F-800	STROKE	9.0"		TORQUE: ON OFF	500 700	Soda Ash	1		21.2 Other		17.50	
RATE	75			SURVEYS: MD INC' AZ'			Sodium Chloride		144	TOTALS	24.00	384.00
LINER	6.75"			456 0.5 0		Sodium Sulphite	1		NON PRODUCTIVE	1.25	67.25	
#2: Emsco F-800	STROKE			465 0.7 0		Xanthan Gum	2		PRODUCTS: USED REC ON SITE			
RATE						Star Shield	48		DIESEL (L)			
LINER						Glut 9	1		BARITE (T)			
#3: 0	STROKE					Starch P	9		DRILL WATER	50k		
RATE						DrillFoam X	1		DAILY MUD COSTS			\$8,394.66
LINER									CUM. MUD COSTS			\$100,968.14

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	2:30	[6.3] PTSM, Discussed WHD pressure testing parameters, WAC, Make up 8 3/4" TCI BHA.
2:30	2:45	[21.1] Held BOP drill and Choke drill . Filled Poorboy degasser with drilling fluid.
2:45	3:45	[6] RIH with D/P from 177m to TOC, Tagged TOC at 447m
3:45	6:15	[3] Drilled out Plugs float collar shoe track to 463m, 250GPM 257psi SPP, 50RPM, 600Ft.lbs TRQ.
6:15	8:00	[2] Drill ahead new formation from 463m to 467m with 15WOB, 60 RPM, TRQ 1100Ft.lbs, 300GPM, 400psi SPP.
8:00	8:45	[5] Circulated hole clean even mud density in out of 8.6ppg
8:45	9:30	[15] PTW, PJSM, Conduct LOT with Halliburton, Max press 329psi, EMD 12.8ppg.
9:30	9:45	[10] Dropped survey
9:45	10:15	[6] POOH to BHA
10:15	12:00	[6.3] POOH BHA, retrieved survey -436m - 0.5 deg.
12:00	15:00	[6.3] PTSM, P/U used 8 3/4" Hammer bit on Smith hammer, Break out and make up 8 1/2" Smith hammer bit function test, Install new RCD rubber onto D/P, Continue M/U BHA.
15:00	21:30	[6] RIH to shoe with 8 1/2" hammer BHA, install string float and RCD.
21:30	22:45	[8] NPT- Attempt to Down link & wake up XEM tool .Communication issues, consult with SLB in town.
22:45	23:30	[5] PJSM prior to unload well, Unload well with air blow dry 650psi max pressure.
23:30	0:00	[3] Wash down to bottom with air, foam and mist from 459m to 467m, 20RPM, 440ft.lbs TRQ, 2000scfm, 295psi SPP

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 06/08/21		
0:00	2:15	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	Down link & wake up XEM tool, in consultation with SLB in town, take survey tool working ok.
2:45	6:00	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

POB-37: 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 - 1										8,124 Hrs
RECEIVED: Drill Foam					DISPATCHED:					
MAXIMUM GAS:		BACKGROUND GAS:		CONNECTION GAS:		TRIP GAS:				
SUPERVISOR: A Phillis / Kev Dau.		GEOLOGIST: Phil Allen, Paul Elliot		RIG MGR:		Luke Job				