

			<b>DAILY DRILLING REPORT</b>				<b>REPORT # 031</b>		<b>20/08/2021</b>			
							<b>SPUD: 21/07/2021</b>		<b>DAY # 033</b>			
<b>WELL</b>	West Mereenie 28		24:00 MD/ TVD	1322m BRT	DRILLED	79m	AFE DAYS / COST	23	\$6,507,879			
<b>RIG</b>	EWG 27		<b>FORMATION</b>	Pacoota Sandstone P3.		<b>DAILY COST</b>	\$84,832	<b>CUM.</b>	\$4,879,315			
<b>DAILY OP'S SUMMARY</b>			RIH to 1214m, drilled out shoe track and 3m new hole to 1246m perform FIT to 21.6ppb EMD, Unload well bore fluids, Drill ahead under-balanced with N2 from 1246m to 1322m, Sump fluid free board 1.0m									
<b>FORECAST OP'S</b>			Drill to TD 1332m with N2, Clean-up circ, POOH to 7" casing shoe. Flow test Well, conduct Shut-in build up test, Wiper trip to TD, POOH to inside shoe, remove string float, hang drill string with NC38 hanger install BPV, R/U Snubbing unit.									
<b>LAST CASING</b>	178mm	7.0"	<b>SET AT</b>	1240.2m	<b>FIT</b>	21.5 EMW	<b>MAASP</b>	2772psi	<b>BOP TEST</b>	04/08	<b>DUE</b>	25/08
<b>LAST L.T.I. 837 Days</b>			<b>SAFETY</b>						<b>WEATHER: Day</b>			
			1. PTSM, Discussed, Under balanced drilling operations. Exclusion zones. 2. TBM, Preparation of completion BHA.						<b>Night</b>			
									Fine 26 deg C			
									Fine 1 deg C			

BIT INFORMATION				BHA # 7		MUD PROPERTIES		OPERATION		HRS	CUM
WOB(Kib)	2-10	JET V(fps)		TOOL	LENGTH	Mud Type	KCL/NIF	1 Move/ Rig Up/Down			48.00
RPM	70	H S I		Bit - PDC	0.24	Depth (m)		2 Drilling	9.50		273.25
BIT NUMBER	7	6		Bit Sub	0.59	Density (ppg)	8.40	3 Wash / Ream	3.50		36.75
Size (inches)	6.0	8.5		Float Sub	0.92	ECD (ppg)		4 Coring			
Make	NOV	Reed		FS / XO / FS	0.92	Temp (° C)		5 Circ & Condition	2.00		38.50
Type	PDC TFA: 1.4036	PDC Hycalog		Heavy Weight DP	9.28	Viscosity (sec)	27	6 Tripping- Bit / Casing	3.50		65.75
IADC Code		TK-66		FS / XO / FS	0.36	PV / YP (cp/lb)	16 / 20	6.1 Tripping- Other			18.25
Serial Number	A271278	A278400		17x Heavy Weight DP	159.16	Gels (10s/m)	9 / 11	6.2 Wiper Trip			12.75
T.F.A. (in)	4.712	4.712		Drilling Jars	9.28	API Filt. (cc)	8.0	6.3 Handle BHA	2.00		46.00
Depth In (m)	1243.17	1182		8x Heavy Weight DP	75.16	Sand (% Vol)		7 Service / Slip Line	1.25		3.50
Depth Out (m)	IN	1243.17				KCl (%)	3.0	8 Repairs	1.50		19.00
Total Meters	78.83	61.17				pH (strip)	8.0	10 Survey			0.75
Hours IADC   OnBtm	9.5   9.5	13   13				LGS %/Vol	12.9	11 Logging			10.50
ROP IADC   OnBtm	8.3   8.3	4.7   4.7				Chlorides (ppm)	73000	12 RU for Csg / Cmt			9.00
Condition Out	1 1 NO A X 0 NO BHA					Surface Vol. (Bbls)	330	12.1 Run Casing			20.50
<b>FLOW DATA</b>				BHA LENGTH	255.91	Hole Vol.	126	12.2 Cementing			18.75
RATE (gpm/psi)				BHA WEIGHT	34.20	Mud Mixed	60	13 Wait on Cement			21.00
AV - DP (fpm/mpm)				STRING WT	82.41	New Hole Drilled	9.1	14 BOP's / Wellhead	0.25		38.25
AV - DC (fpm/mpm)				HOOK LOAD	85.00	Downhole Losses	385	15 Test BOP / Formation	0.50		20.00
SPP (psi/atm)	740	50		WT BELOW JARS	22.75	Surface Losses	-332	19 Tight hole / Fishing			0.50
SPP (Calculated)				HOURS: JAR   MTR		<b>CHEMICAL USAGE</b>		21 Completion			
<b>PUMP DATA</b>				DRAG: UP   DOWN	2   2	Citric Acid	1	21.1 Well Control			73.50
#1: Emsco F-800	STROKE	9.0"		TORQUE: ON   OFF	5200   1100	Soda Ash	2	21.2 Other			17.50
RATE				<b>SURVEYS: MD   INC'   AZ'</b>		Sodium Bicarbonate	1	<b>TOTALS</b>		<b>24.00</b>	<b>744.00</b>
LINER	6.75"			1206   2.3   41.2		DrillFoam X	4	<b>NON PRODUCTIVE</b>		<b>1.50</b>	<b>75.25</b>
#2: Emsco F-800	STROKE							<b>PRODUCTS: USED   REC   ON SITE</b>			
RATE								DIESEL (L)			
LINER								BARITE (T)			
#3: 0	STROKE							DRILL WATER	50k		
RATE								DAILY MUD COSTS			\$602.12
LINER								CUM. MUD COSTS			\$325,706.35

HOURLY OPERATIONS SUMMARY 0000 to 2400		
From	To	[IADC Code] Description
0:00	0:15	[ 14 ] Crew change PTSM, Discussed proposed work scope, identified hazard and controls.
0:15	1:30	[ 7 ] Slip and Cut Drill line
1:30	3:30	[ 6.3 ] Made up 6" PDC NOV bit with 6 x nozzles TFA 1.4036 and BHA #7. 255.91m.
3:30	4:15	[ 6 ] RIH with 6" Bit, Clean-out BHA on 4" DP from 255.91m to 435m. Filled DP with fluid at 435m.
4:15	7:00	[ 6 ] RIH from 435m to 1185m, Installed RCD.
7:00	10:30	[ 3 ] Washed down to tag TOC/FC at 1214.8m. Drilled shoe track to 1243m. WOB 5 - 10 klbs, Rotary 60 RPM, ON BTM TRQ 980 ft.lbs, 300 GPM, SPP 710 psi.
10:30	11:00	[ 2 ] Drilled 3m new formation from 1289m to 1292m. WOB 9 klbs, Rotary 70 RPM, ON BTM TQE 2400 ft.lbs, 304 GPM, SPP 700 psi.
11:00	11:30	[ 5 ] Circulated hole clean and bottoms up for sample, continue Circ even mud weight, MD 8.9ppg in and out.
11:30	12:00	[ 15 ] PTW, Conducted FIT with Halliburton, 8.9ppg MD Max pressure 2681psi = EMD 21.6ppg.
12:00	13:30	[ 5 ] PJSM, Unload well with ADA N2 through EWE Choke manifold, max pressure 1700psi, Circ clean, Install string float.
13:30	15:00	[ 2 ] Drill ahead 6" hole with N2 from 1246m to 1260m, WOB 5-10k, RPM 60, TRQ 2600ft.lbs, CFM 1290, Foam 15GPH, Mist 20GPM, SPP 330psi, Continuous good gas flare after 1250m, ROP 9.3m/hr
15:00	16:30	[ 8 ] NPT- Pull off bottom work pipe while ADA fix Mist pump problem, suction plugged, flush tank and refill with fresh fluid.
16:30	0:00	[ 2 ] Drill ahead 6" hole with N2 from 1260m to 1322m, WOB 5-10k, RPM 60, TRQ 2600ft.lbs, CFM 1290, Foam 15GPH, Mist 20GPM, SPP 680psi, Continuous good gas flare, ROP 8.2m/hr

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 21/08/21		
From	To	Description
0:00	1:30	Drill ahead 6" hole with N2 from 1322m to 1332m TD, WOB 5-10k, RPM 60, TRQ 2600ft.lbs, CFM 1290, Foam 15GPH, Mist 20GPM, SPP 680psi, Continuous good gas flare, ROP 6.6m/hr
1:30	1:45	Conducted clean-up circulation at TD. Shut down air circulation, engaged primary jet on blooie line. Monitor Well conditions. Confirmed Primary jet diverted gas flow away from work floor.
1:45	2:15	POOH and placed 6" Bit inside 7" casing shoe at 1236.18m

POB-46: EWG - 19, CTP - 4, ADA - 4, Howco - 2, G/Services - 4, O/Creek - 1, Coho - 1, IOT - 4, Momentum - 2, Expro - 3, Cactus - 0, Enermech - 2										<b>15,696 Hrs</b>						
RECEIVED:					DISPATCHED:											
MAXIMUM GAS: 4978 U @ 1263.5m					BACKGROUND GAS: 4991 U					CONNECTION GAS: 1259.5 U					TRIP GAS:	
SUPERVISOR: Kev Dau / Norm Nixon.					GEOLOGIST: Phil Allen, Paul Elliot					RIG MGR: Trevor Wigley						