



DAILY DRILLING REPORT

REPORT # 0209/08/2021

SPUD: 21/07/2021DAY # 022

WELL

West Mereenie 28

24:00 MD/ TVD

1070m BRT

DRILLED

112m

AFE DAYS / COST

23

\$6,507,879

RIG

EWG 27

FORMATION

Horn Valley Siltstone

DAILY COST

\$86,081

CUM.

\$3,740,677

DAILY OP'S SUMMARY

Continue to drill ahead with Polymer/Foam-Air from 958m to 1021, Flow tested Upper and Lower Stairway 0.6MMscfd, Continue Drilling to 1070m, Sump free board 1m.

FORECAST OP'S

Continue to drill ahead with Polymer/Foam-Air from 1070m, Flow test the P1, Drill to CSG point prior to the P3.

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. 826 Days

SAFETY

1. PPE Eye protection

2. The importance of using the name board correctly

WEATHER: Day

Fine 27 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	Polymer/Foam-Air	1 Move/ Rig Up/Down		48.00
RPM	23	H S I	Bit- Impreg	0.65	Depth (m)	1063	2 Drilling	19.25	222.50
BIT NUMBER	5	RR4	7.5" Air hammer	1.37	Density (ppg)	9.80	3 Wash / Ream		32.00
Size (inches)	8.5	8.75	10x Float Sub	89.00	ECD (ppg)		4 Coring		
Make	Smith	Reed	2x Drill Collar- 5 1/2"	18.19	Temp (° C)		5 Circ & Condition	2.75	16.00
Type	Hammer	TCI	Crossover Sub	0.74	Viscosity (sec)	64	6 Tripping- Bit / Casing		43.50
IADC Code		437	MWD	9.90	PV / YP (cp/lb)	15 / 19	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)	1.0	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	KCl (%)	4.0	8 Repairs	2.00	15.00
Total Meters	603	4	Crossover Sub	0.76	pH (strip)	9.0	10 Survey		0.75
Hours IADC OnBtm	85.5 81.3	1.8 1.8	Drill Collar- 5 1/2"	8.95	LGS %/Vol	1.1	11 Logging		
ROP IADC OnBtm	7.1 7.4	2.3 2.3	Crossover Sub	0.60	Chlorides (ppm)	128000	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)	464	12.1 Run Casing		7.50
FLOW DATA			BHA LENGTH	261.69	Hole Vol.	224	12.2 Cementing		14.25
RATE (gpm/lps)			BHA WEIGHT	41.19	Mud Mixed	270	13 Wait on Cement		21.00
AV - DP (fpm/MPM)			STRING WT	76.85	New Hole Drilled	25.8	14 BOP's / Wellhead		13.50
AV - DC (fpm/MPM)			HOOK LOAD	84.00	Downhole Losses	270	15 Test BOP / Formation		12.75
SPP (psi/atm)	372	25	WT BELOW JARS	30.70	Surface Losses	-26	19 Tight hole / Fishing		0.50
SPP (Calculated)			HOURS: JAR MTR		CHEMICAL USAGE		21 Completion		
PUMP DATA			DRAG: UP DOWN	2 2	Starch P	19	21.1 Well Control		0.25
#1: Emsco F-800	STROKE	9.0"	TORQUE: ON OFF	200 1090	DrillFoam X	16	21.2 Other		17.50
RATE			SURVEYS: MD INC° AZ°				TOTALS	24.00	480.00
LINER	6.75"		907 1.6 41.7				NON PRODUCTIVE	2.00	71.25
#2: Emsco F-800	STROKE		1014 0.9 44.9				PRODUCTS: USED REC ON SITE		
RATE			1024 1.3 35.1				DIESEL (L)		
LINER			1034 1.3 27.3				BARITE (T)		
#3: 0	STROKE		1043 1.7 39.7				DRILL WATER	200k	
RATE			1053 1.5 29.3				DAILY MUD COSTS		\$3,201.62
LINER			1063 1.6 35.1				CUM. MUD COSTS		\$123,142.21

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	[IADC Code] Description
0:00	3:00	[2] PTSM, Drill ahead 8 1/2" hole with Air hammer from 958m to 973m, 0-5k WOB, 22RPM, 2034scfm, 412psi, 1900ft.lbs TRQ, 13GPM Mist, 11GPH Foam and 1.6GPH Hammer oil, Avg ROP 5m/hr, Continuous Gas flare from 800m
3:00	6:00	[2] Drill ahead 8 1/2" hole with Air hammer from 973m to 993m, 0-5k WOB, 22RPM, 2034scfm, 410psi, 1800ft.lbs TRQ, 13GPM Mist, 11GPH Foam and 1.6GPH Hammer oil, Avg ROP 6.6m/hr, Continuous Gas flare from 800m
6:00	8:00	[8] NPT- Circulated while ADA repair Air Compressor #2
8:00	12:00	[2] Drill ahead 8 1/2" hole with Air hammer from 993m to 1022m, 0-5k WOB, 22RPM, 2034scfm, 390psi, 800ft.lbs TRQ, 13GPM Mist, 11GPH Foam and 1.6GPH Hammer oil, Avg ROP 7.2m/hr, Continuous Gas flare from 800m
12:00	14:45	[5] PJSM, Circulated well clean, Blow dry, Conduct Flow test through Rig Choke at 1/2" pressures stabilized at 97psi, Shut well in for 30min press built to 337psi, 0.6MMscfd
14:45	18:00	[2] Drill ahead 8 1/2" hole with Air hammer from 1022m to 1042m, 0-5k WOB, 23RPM, 2034scfm, 340psi, 1020ft.lbs TRQ, 13GPM Mist, 12.5GPH Foam and 1.6GPH Hammer oil, Avg ROP 6.1m/hr.
18:00	21:00	[2] Drill ahead 8 1/2" hole with Air hammer from 1042m to 1054m, 0-5k WOB, 23RPM, 2034scfm, 396psi, 1024ft.lbs TRQ, 13.6GPM Mist, 12.5GPH Foam and 1.6GPH Hammer oil, Avg ROP 4m/hr.
21:00	0:00	[2] Drill ahead 8 1/2" hole with Air hammer from 1054m to 1070m, 0-5k WOB, 23RPM, 2034scfm, 360psi, 1020ft.lbs TRQ, 13.6GPM Mist, 12.5GPH Foam and 1.6GPH Hammer oil, Avg ROP 5.3m/hr.

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 10/08/21

0:00	2:45	Drill ahead 8 1/2" hole with Air hammer from 1070m to 1088m, 0-5k WOB, 24RPM, 2000scfm, 406psi, 1030ft.lbs TRQ, 13.6GPM Mist, 14.5GPH Foam and 1.6GPH Hammer oil, Avg ROP 6.5m/hr.
2:45	3:45	Circulated while ADA repair Air Compressor #2
3:45	6:00	Drill ahead 8 1/2" hole with Air hammer from 1088m to 1105m, 0-5k WOB, 24RPM, 2040scfm, 426psi, 1030ft.lbs TRQ, 13.6GPM Mist, 14.5GPH Foam and 1.6GPH Hammer oil, Avg ROP 7.5m/hr.

POB-42: EWG - 19, CTP - 4, ADA - 4, Howco - 2, G/Services - 3, O/Creek - 3, Coho - 1, IOT - 4, NMT - 0, Expro - 0, Cactus - 0, Enermech - 2

9,924 Hrs

RECEIVED: 29 x 20ltr Hammer oil.

DISPATCHED:

MAXIMUM GAS: 4952 U @ 1019m

BACKGROUND GAS: 1200 U

CONNECTION GAS: 2633 U

TRIP GAS:

SUPERVISOR: A Phillis / Kev Dau.

GEOLOGIST: Phil Allen, Paul Elliot

RIG MGR: Trevor Wigley