



DAILY DRILLING REPORT

REPORT # 0187/08/2021

SPUD: 21/07/2021DAY # 020

WELL

West Mereenie 28

24:00 MD/ TVD

818m BRT

DRILLED

134m

AFE DAYS / COST

23

\$6,507,879

RIG

EWG 27

FORMATION

Middle Stairway Sandstone

DAILY COST

\$82,877

CUM.

\$3,555,571

DAILY OP'S SUMMARY

Drilled ahead with Polymer/Foam-Air from 684m to 818m avg ROP 6.23m/hr, Gas to surface & flare from 800m, Free board on Sump 1.2m

FORECAST OP'S

Continue to drill ahead with Polymer/Foam-Air from 818m towards CSG point.

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. 824 Days

SAFETY

1. Reporting Hazards, Job starts and inspections.  
2. Loader operations, Hazards if collars fall off tynes.

WEATHER: Day

Fine 22 deg C

Night

Fine 4 deg C

BIT INFORMATION				BHA # 4		MUD PROPERTIES		OPERATION		HRS	CUM
WOB(Klb)	2-7	JET V(fps)		TOOL	LENGTH	Mud Type	Polymer/Foam-Air	1 Move/ Rig Up/Down		48.00	
RPM	20	H S I		Bit- Impreg	0.65	Depth (m)	790	2 Drilling	21.50	181.50	
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		13.25	
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 / 20	6.1 Tripping- Other		18.00	
Serial Number	SA7178			Crossover Sub	0.77	Gels (10s/m)	8 / 9	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	0.50	1.50	
Depth Out (m)	IN	467		Drilling Jars	9.56	KCl (%)	4.0	8 Repairs	2.00	13.00	
Total Meters	351	4		Crossover Sub	0.76	pH (strip)	9.5	10 Survey		0.75	
Hours IADC   OnBtm	44.5   40.3	1.8   1.8		Drill Collar- 5 1/2"	8.95	LGS %/Vol	1.4	11 Logging			
ROP IADC   OnBtm	7.9   8.7	2.3   2.3		Crossover Sub	0.60	Chlorides (ppm)	135000	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.	170	12.2 Cementing		14.25	
RATE (gpm/lps)				BHA WEIGHT	41.19	Mud Mixed	300	13 Wait on Cement		21.00	
AV - DP (fpm/MPM)				STRING WT	65.73	New Hole Drilled	30.9	14 BOP's / Wellhead		13.50	
AV - DC (fpm/MPM)				HOOK LOAD	73.00	Downhole Losses	270	15 Test BOP / Formation		10.75	
SPP (psi/atm)	350	24		WT BELOW JARS	30.70	Surface Losses	-1	19 Tight hole / Fishing		0.50	
SPP (Calculated)				HOURS: JAR   MTR		CHEMICAL USAGE		21 Completion			
PUMP DATA				DRAG: UP   DOWN	2 2			21.1 Well Control		0.25	
#1: Emsco F-800	STROKE	9.0"		TORQUE: ON   OFF	300 1000			21.2 Other		17.50	
RATE				SURVEYS: MD   INC'   AZ'				TOTALS	24.00	432.00	
LINER	6.75"			676   2.3   27.5	744   1.4   28.6			NON PRODUCTIVE	2.00	69.25	
#2: Emsco F-800	STROKE			686   2.2   25.6	754   1.2   36.3			PRODUCTS: USED   REC   ON SITE			
RATE				696   1.8   27.5	763   1   24.3			DIESEL (L)			
LINER				706   1.8   28.8	773   1   30.6			BARITE (T)			
#3: 0	STROKE			715   1.6   33.3	782   0.7   21.8			DRILL WATER	200		
RATE				725   1.6   28.7	792   0.5   23.8			DAILY MUD COSTS			
LINER				734   1.3   29.2	802   0.6   20.5			CUM. MUD COSTS			\$103,794.59

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	[IADC Code] Description
0:00	1:15	[ 8 ] NPT- PTSM, Work pipe, ADA mist pump suction clogged up, repair same.
1:15	2:15	[ 2 ] 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	[ 8 ] NPT- Work pipe, ADA mist pump lost suction repair same.
3:00	6:00	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 693m to 720m, 0-5k WOB, 20RPM, 2000scfm, 360psi, 930ft.lbs TRQ, 15GPM Mist, 12GPH Foam and 2GPH Hammer oil, Avg ROP 9m/hr
6:00	9:15	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 720m to 740m, 0-5k WOB, 20-25RPM, 2000scfm, 374psi, 732ft.lbs TRQ, 12GPM Mist, 8GPH Foam and 2GPH Hammer oil, Avg ROP 6.1m/hr
9:15	9:45	[ 7 ] Rig Repair Hyd hose on Iron roughneck and Serviced rig.
9:45	12:00	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 740m to 761m, 0-5k WOB, 20-30RPM, 1960scfm, 371psi, 1100ft.lbs TRQ, 12GPM Mist, 11GPH Foam and 2GPH Hammer oil, Avg ROP 9.3m/hr
12:00	15:00	[ 2 ] PTSM, Drill ahead 8 1/2" hole with Air hammer from 761m to 780m, 0-5k WOB, 20RPM, 1960scfm, 371psi, 1175ft.lbs TRQ, 12GPM Mist, 11GPH Foam and 2GPH Hammer oil, Avg ROP 6.3m/hr
15:00	18:00	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 780m to 790m, 0-5k WOB, 20RPM, 1980scfm, 365psi, 1175ft.lbs TRQ, 12GPM Mist, 11GPH Foam and 2GPH Hammer oil, Avg ROP 3.3m/hr
18:00	21:00	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 790m to 800m, 0-5k WOB, 20RPM, 1960scfm, 361psi, 1175ft.lbs TRQ, 12GPM Mist, 11GPH Foam and 2GPH Hammer oil, Avg ROP 3.3m/hr, Gas to surface flare at 800m.
21:00	0:00	[ 2 ] Drill ahead 8 1/2" hole with Air hammer from 800m to 818m, 0-5k WOB, 20RPM, 1960scfm, 361psi, 1175ft.lbs TRQ, 12GPM Mist, 15GPH Foam and 1.6GPH Hammer oil, Avg ROP 6m/hr, Continuous Gas flare from 800m

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

0:00	3:00	PTSM, Drill ahead 8 1/2" hole with Air hammer from 818m to 840m, 0-5k WOB, 23RPM, 1960scfm, 374psi, 1050ft.lbs TRQ, 12GPM Mist, 15GPH Foam and 1.6GPH Hammer oil, Avg ROP 7.3m/hr, Continuous Gas flare from 800m
3:00	6:00	PTSM, Drill ahead 8 1/2" hole with Air hammer from 840m to 855m, 0-5k WOB, 23RPM, 1960scfm, 374psi, 1050ft.lbs TRQ, 12GPM Mist, 15GPH Foam and 1.6GPH Hammer oil, Avg ROP 5m/hr, Continuous Gas flare from 800m

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

8,988 Hrs

RECEIVED:

DISPATCHED:

MAXIMUM GAS: 3343 U @ 808.5m

BACKGROUND GAS: 1200 U

CONNECTION GAS: 1342 U

TRIP GAS:

SUPERVISOR: A Phillis / Kev Dau.

GEOLOGIST: Phil Allen, Paul Elliot

RIG MGR: Trevor Wigley