



DAILY DRILLING REPORT

REPORT # 03221/08/2021

SPUD: 21/07/2021DAY # 034

WELL

West Mereenie 28

24:00 MD/ TVD

1332m BRT

DRILLED

10m

AFE DAYS / COST

23

\$6,507,879

RIG

EWG 27

FORMATION

Pacoota Sandstone P3.

DAILY COST

\$90,810

CUM.

\$4,970,125

DAILY OP'S SUMMARY

Wiper trip to TD, POOH to inside shoe, remove string float, POOH to BHA. Hang drill string with NC38 hanger install BPV, R/U Snubbing unit, Sump free board 0.8m

FORECAST OP'S

RU Snubbing unit. POH Drilling BHA. MU and RIH 7in scraper to 7" casing float. POH scraper. RD Snubbing package. RU E-line unit. RIH with 7" lower production packer and set at ~1205m.

LAST CASING

178mm

7.0"

SET AT

1240.2m

FIT

21.5 EMW

MAASP

2780psi

BOP TEST

04/08

DUE

25/08

LAST L.T.I. 838 Days

SAFETY

1. PTSM. Discussed proposed work scope, identified hazards and controls. Working with 3rd party contractors, Complete permits when required.
2. RD of auxiliary rig equipment, in preparation for RU of snubbing unit.

WEATHER: Day

Fine 26 deg C

Night

Fine 1 deg C

BIT INFORMATION				BHA # 7		MUD PROPERTIES		OPERATION	HRS	CUM
WOB(Kib)	2-10	JET V(fps)		TOOL	LENGTH	Mud Type	MIST/FOAM	1 Move/ Rig Up/Down	2.50	50.50
RPM	70	H S I		Bit - PDC	0.24	Depth (m)	1243	2 Drilling	1.50	274.75
BIT NUMBER	7	6		Bit Sub	0.59	Density (ppg)	8.36	3 Wash / Ream		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	0.25	38.75
Type	PDC TFA: 1.4036	PDC Hycalog		Heavy Weight DP	9.28	Viscosity (sec)	27	6 Tripping- Bit / Casing	6.50	72.25
IADC Code		TK-66		FS / XO / FS	0.36	PV / YP (cp/lb)	1 / 1	6.1 Tripping- Other		18.25
Serial Number	A271278	A278400		17x Heavy Weight DP	159.16	Gels (10s/m)	1 / 1	6.2 Wiper Trip	0.50	13.25
T.F.A. (in)	4.712	4.712		Drilling Jars	9.28	API Filt. (cc)	N/C	6.3 Handle BHA		46.00
Depth In (m)	1243.17	1182		8x Heavy Weight DP	75.16	Sand (% Vol)		7 Service / Slip Line	1.00	4.50
Depth Out (m)	1332	1243.17				KCl (%)		8 Repairs		19.00
Total Meters	88.83	61.17				pH (strip)	7.0	10 Survey		0.75
Hours IADC OnBtm	11 11	13 13				LGS %/Vol	0.1	11 Logging		10.50
ROP IADC OnBtm	8.1 8.1	4.7 4.7				Chlorides (ppm)	500	12 RU for Csg / Cmt		9.00
Condition Out						Surface Vol. (Bbls)	70	12.1 Run Casing		20.50
FLOW DATA				BHA LENGTH	255.91	Hole Vol.	127	12.2 Cementing		18.75
RATE (gpm/lps)				BHA WEIGHT	34.23	Mud Mixed		13 Wait on Cement		21.00
AV - DP (fpm/MPM)				STRING WT	82.92	New Hole Drilled	1.1	14 BOP's / Wellhead		38.25
AV - DC (fpm/MPM)				HOOK LOAD	85.00	Downhole Losses		15 Test BOP / Formation	3.25	23.25
SPP (psi/atm)	740	50		WT BELOW JARS	22.76	Surface Losses	259	19 Tight hole / Fishing		0.50
SPP (Calculated)				HOURS: JAR MTR		CHEMICAL USAGE		21 Completion		
PUMP DATA				DRAG: UP DOWN	2 2	Soda Ash	4	21.1 Well Control	8.50	82.00
#1: Emsco F-800	STROKE	9.0"		TORQUE: ON OFF	5200 1100			21.2 Other		17.50
RATE				SURVEYS: MD INC' AZ'				TOTALS	24.00	765.50
LINER	6.75"			1206 2.3 41.2				NON PRODUCTIVE		75.25
#2: Emsco F-800	STROKE							PRODUCTS: USED REC ON SITE		
RATE								DIESEL (L)		
LINER								BARITE (T)		
#3: 0	STROKE							DRILL WATER	50k	
RATE								DAILY MUD COSTS		\$80.52
LINER								CUM. MUD COSTS		\$325,786.87

HOURLY OPERATIONS SUMMARY 0000 to 2400

From	To	[IADC Code] Description
0:00	1:30	[2] 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	[5] Conducted clean-up circulation at TD. Shut down air circulation, engaged primary jet on bloolie line. Monitor Well conditions. Confirmed Primary jet diverted gas flow away from work floor.
1:45	2:15	[6] POOH and placed 6" Bit inside 7" casing shoe at 1236.18m
2:15	5:30	[15] PJSM. Conducted flow test Open well through 3/4" Choke. Flowed until Pressure stabilized at 503psi, Indicated flow rate at ~6.5MMscfd. Shut in Well and monitored for 45min SICP reached 855psi.
5:30	6:00	[6.2] RIH to TD 1332m, No hole problems no fill, POOH to string floats, Bleed off press between floats bottom floats holding ok.
6:00	11:00	[6] POOH from 1244m to 265m on primary jet at 2300cfm and 15gpm mist, Lay pipe out sideways.
11:00	12:00	[6] PJSM, Close Annular, Pull RCD rubber, Start to rig up equalize lines to TBG spool.
12:00	12:30	[21.1] PJSM, Discussed bush fire hazards, 2 x CTP fire fighting units on site, High Press gas.
12:30	14:00	[21.1] Continue rigging up equalizer lines to TBG spool and drilling spool to choke manifold, Press tested 250psi low and 2000psi high 10min.
14:00	15:00	[21.1] PJSM, Equalize well bore press and land D/P hanger with BPV, lock into place as per Cactus procedures, Press tested Hanger 250psi low 5min 2000psi high 10min, L/O 1 x single D/P.
15:00	16:00	[7] PJSM, Slip drilling line so there is enough drilling line on drum for snubbing operations.
16:00	21:30	[21.1] Rig down TDS, RD Iron Roughneck, RCD, Lower work floor and prepare rig for snubbing operations.
21:30	0:00	[1] PJSM, with Momentum Snubbing crew. Spot and RU Snubbing unit.

HOURLY OPERATIONS SUMMARY 0000 to 0600 on 22/08/21

0:00	6:00	Continued to RU Snubbing package. Pressure test Snubbing unit as per Momentum procedures. Experienced some difficulties with PT on bloolie line 7-1/16" gate valves

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

16,248 Hrs

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