NEWPARK DRILLING FLUIDS
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Daily Mud Report

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Report # 14		Daily Drilled (ft)	0
Date	08/29/2023	MD (ft)	3,242
Spud Date	08/17/2023	TVD (ft)	3,077
Bit MD (ft)	0	Bit MD (ft)	0
API Well #	05-067-	Bit TVD (ft)	0
Present Activity		Wait On Cement	

Operator:	MARALEX RESOURCES INC	**Report For:**	Micky O'Hare
Contractor:	H & L Drilling 1	**Report For:**	Shane Tycksen / Kevin Jones

Well Name/No.	Field/Block	Sur - Abs or Sec-T-R	County/Parish	State/Province	Country
MOLLIE CORYNNE 33-7-2 #3C	IGNACIO BLANCO FRUITLAND	2 / 33N / 7W	LAPLATA	COLORADO	USA

Casing	OD(in)	ID(in)	Top(ft)	Bottom(ft)
Surface	10.750	10.05	0	421
Pilot Hole	7.865	6.969	0	3,221

Pump and Circulating Data (check box for Riser Boost)

Pump #	1 ☐	2 ☐	3 ☐	Stand Pipe (psi)		0
Liner (in)	5.50	5.50	0.00	Calc P.Loss (psi)		0
Stroke (in)	8.00	8.00	0.00	ECD (ppg)		
stk/min	0	0	0	Pump # 1	Min	Stks
Efficiency (%)	95	95	95	Surf-Bit	0	0
(bbl/stk)	0.056	0.056	0.000	Bott's Up	0	0
(gpm)	0	0	0	Surf-Surf	0	0
Total (gpm)	0			Tot. Circ.	0	0
Make/Model 1,2,3	8-P-80		8-P-80			
Choke Pressure	0			Riserless Drilling		☐

Bit Data	
Bit Size (in)	
% Washout	10
Bit Type:	
Bit #:	3
(1/32 in)	

Mud Volume (bbl)	
Active	320.0
Annulus	0.0
Drill String:	0.0
Tot. Circ.	320.0
Vol Blw Bit	0.0
Total System	320.0
Tot Rsrv	0.0
Total Mud	320.0

Reconciliation (bbl)	Daily	Interval	Cumm
Starting Volume	275.8	318.6	0
Total Additions:	44.2	370.3	1,270.
Total Losses	0	368.9	950.1
To Reserve			
To Non-Current Strg			
To Mud Plant			
Ending Volume	320	320	320
Total Mud Avail	320	320	320

Bit Hydraulics	
Leak Off Test	0.000
TFA (in²)	
Noz-Vel(ft/sec)	
Imp-Frc (psi)	
PSI Loss (psi)	
HSI (hp/in²)	
Sys HHP(hp)	
Sys HHP %	

Daily Additions (bbl)	
Water Additions	44.2
Oil Additions	
Chemical	
Weight Material	
Whole Mud	
Formation	
Mud Plant	
Other Additions	
Recovered	

Daily Losses (bbl)	
Seepage	
Other SCE	
Centrifuge	
Coating Losses	
Tripping Losses	
Casing Losses	
Rtrd to Mud Line	
Dumped	
Evaporation	
Other Surface	
Other Down Hole	

Tank No	Pits	Slug	Sto1	Sto2	Sto3	Sto4	Sto5	Sto6	Sto7	Sto8	Sto9	St10
Type Of	Act											
Volume	320											
Mud Weight	8.6											
Mud Type	LSN											

Daily Activity	
Rotating. Hrs.	
Sliding. Hrs.	
Circulating	
Tripping Hrs.	
Reaming Hrs.	
Csg. Cmt.	4.0
Logging Hrs.	
Coring Hrs.	
Fishing Hrs.	
Survey Hrs.	
Dir. Work	
Rig Repair	
Testing Hrs.	
Other Hrs.	20.0

Hydraulics (ft/min)

Operating Data	
Avg ROP (ft/h)	
WOB (Klbs)	
Rotary Speed	
Rotating Wt	
P/U (Klbs)	
S/O (Klbs)	
Torq. L (lbf-ft)	
Torq. H (lbf-ft)	
Angle	25.89
Azimuth	173.02
Surv. Depth (ft)	3,179

Water- HY Gel/Nexvis — **Fluid Properties**

	Pit	Other
Sample Temperature (°F)	93	90
Time Sample Taken:	9:30 AM	9:30 AM
Depth @ Time of Sample (ft)	3,221	3,221
Mud Weight (ppg) Unwt'd	8.6	8.4
Funnel Viscosity (sec/qt)	29	27
Viscometer [600 rpm][300	9 7	
Viscometer [200 rpm][100	6 4	
Viscometer [60 rpm][30 rpm]	3 2	
Viscometer [6 rpm][3 rpm]	2 2	
Plastic Vis. (cp) @ 86.0 (°F)	2	
Yield Point (lbf/100ft²)	5	
Gel Strength (10s/10m)	2 3	
Gel Strength 30.0 min	4	
API Filtrate (mL/30 min)	38.1	
HPHT Filtrate (mL) 250 (°F)		
Cake (1/32 in) (API/HPHT)	2	
Water (% by vol)	97	99.1
Other Fluid (% by SG 1.20		
Non-Aq (% by vol) SG 0.84		
Solids (% by vol)	3	0.9
Sand (% by vol)	0.1	
MBT Cap (Bent Equiv.)	10	
pH @ 80 (°F)	7.8	8.4
Pm (Mud Alkalinity) (mL)		0.14
Pf/Mf (Filtrate Alkalinity) (mL)	0.45	0.14 2.88
Chlorides (mg/L)	500	1,000
Hardness (mg/L) as Calcium)	88	68
LGS (% by vol) SG 2.70	1.8	0.4
LGS (lb/bbl)	16.769	3.652
HGS (% by vol) SG 4.10		
HGS (lb/bbl)		
Corrected Solids (% by vol)	1.8	0.4

Solids Control Equipment

Equipment	Daily	Int. Hrs.	Screens [API]	Usage	Opt
Shaker 1		72	140/140/140		
Shaker 2					
Shaker 3					
Shaker 4					
Shaker M/C					

Equipment	Daily	Int.	U/F	O/F	Density	Usage	Opt
De-Sander							
De-Silter							
Centrifuge 1			20				
Centrifuge 2							
Centrifuge 3							
M/C							

Active Products

Materials	Initial	Used	Interval	Rec'd	Balance	Cost (US$)
ENGINEER - 24 HR (\ )		1	5			950.00

Treatment Recommendations

When drilling out cement: Add 3 sks Sodium Bicarbonate.

Comments/Remarks

Finished working casing to TD, 3221'. Rig up and cement casing. Cement did not reach surface. Waiting on well head, CBL Logs.

Sample of Produced water: 27 vis, 8.4 ppg, 8.4 pH, Pm .14, pf/mf .14/2.88, Hardness-Calcium 88 epm, Chlorides 1000 ppm

Lithology

	Daily	Interval	Cumm		Daily	Interval	Cumm
Mud (US$)	0.00	14,292.30	17,870.05		0.00	0.00	0.00
Equip (US$)	0.00	0.00	0.00		0.00	0.00	0.00
Personnel (US$)	950.00	4,750.00	13,300.00		0.00	0.00	0.00
Trucking (US$)	0.00	0.00	0.00		0.00	0.00	0.00
Tax (US$)	57.00	1,142.54	1,870.20		0.00	0.00	0.00
	0.00	0.00	0.00		0.00	0.00	0.00
	0.00	0.00	0.00		0.00	0.00	0.00
				Total (US$)	1,007.00	20,184.84	33,040.25

The information in this report is based on our experience and represents our best judgment in the matter and is intended to be helpful, but we cannot assume responsibility for any loss or accident that may result from its use. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any materials or uses. (MudPIT 4.5.12)