

Uploading recovery &

pressures

Company: Mull Drilling Company, Inc

Lease: Bouziden Unit #3-10

SEC: 10 TWN: 32S RNG: 23W

County: CLARK State: Kansas

Drilling Contractor: Duke Drilling

Company, Inc - Rig 1 Elevation: 2240 GL

Field Name: Big Bear Creek

Pool: Infield Job Number: 373

API #: 15-025-21609-00-00

DATE July

17 2019

Formation: Lansing **DST #1** В

Test Interval: 4600 -

Total Depth: 4630'

4630'

Time Off: 23:24 07/17 Time On: 14:50 07/17

Time On Bottom: 17:10 07/17 Time Off Bottom: 20:45 07/17

Electronic Volume Estimate: N/A

1st Open Minutes: 5 **Current Reading:** 199" at 5 min

Max Reading: 199"

1st Close Minutes: 30 **Current Reading:** 0" at 30 min Max Reading: 0"

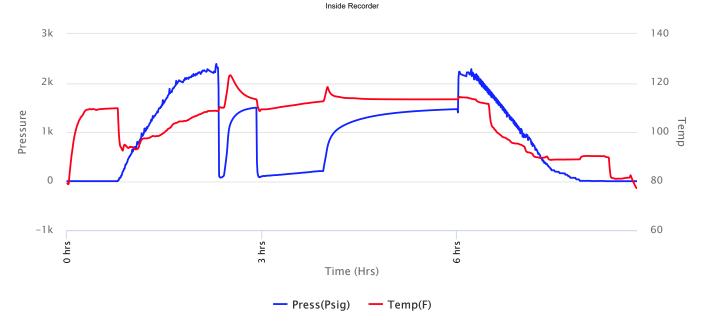
2nd Open Minutes: 60 **Current Reading:** Gg" at 60 min

Max Reading: Gg"

2nd Close Minutes: 120 **Current Reading:** 23.5" at 120 min

Max Reading: 30.6"







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<u>Foot</u>	<u>BBLS</u>	Description of Fluid	Gas %	<u>Oil %</u>	Water %	<u>Mud %</u>
118	1.67914	SLWCSLMCO	0	87	3	10
63	0.89649	SLMCSLWCGCO	20	76	3	1
126	1.79298	G	100	0	0	0
63	0.89649	SLMCSLGCWCO	5	65	27	3
63	0.89649	HGCO	30	70	0	0
63	0.89649	SLOCGCW	20	3	77	0

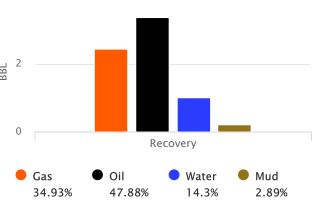
Total Recovered: 496 ft

Total Barrels Recovered: 7.05808

Re	eversed	Out
	NO	

Initial Hydrostatic Pressure	2213	PSI
Initial Flow	70 to 100	PSI
Initial Closed in Pressure	1498	PSI
Final Flow Pressure	77 to 205	PSI
Final Closed in Pressure	1467	PSI
Final Hydrostatic Pressure	2180	PSI
Temperature	123	°F
Pressure Change Initial	2.1	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 13.84169



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BUCKET MEASUREMENT:

2019

1st Open: 1/4" Bob in 30 sec

1st Close: Nobb

2nd Open: Bob instantly gts in 6 min

2nd Close: Built to 30 1/2"

REMARKS:

tool sample blew out

Tool Sample: 0% Gas 0% Oil 0% Water 0% Mud

Ph: 7

Measured RW: .1 @ 85 degrees °F

RW at Formation Temp: 0.071 @ 123 °F

Chlorides: 64600 ppm



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Down Hole Makeup

Heads Up: 28.9 FT Packer 1: 4595 FT

Drill Pipe: 4596.33 FT **Packer 2:** 4600 FT

ID-3 1/2 Packer 3: 4630 FT

Weight Pipe: FT Top Recorder: 4584.42 FT

Bottom Recorder: 4602 FT

ID-2 1/4 Below Straddle Recorder: 4631 FT

Test Tool: 33.57 FT Well Bore Size: 7 7/8

ID-3 1/2-FH Surface Choke: 1"

Safety Joint Bottom Choke: 5/8"

Total Anchor: 30

ID-2 7/8

Collars:

Anchor Makeup

FT

Packer Sub: 1 FT

Jars

Perforations: (top): FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/2

Change Over: FT

Perforations: (below): 29 FT

4 1/2-FH

STRADDLE

Straddle Packer(s): FT

Change Over: FT

Drill Pipe: FT

ID-3 1/2"

Change Over: FT

Perforations (in tail pipe): FT

4 1/2-FH



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Mud Properties

Mud Type: 9.2 Weight: 53 Viscosity: 10 Filtrate: 7200 Chlorides: ppm



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Gas Volume Report

1st Open					
Time	Orifice	PSI	MCF/D		
10	0.75	2.0	108		
15	0.50	2.5	53.4		
20	0.50	2.0	47.7		
25	0.50	1.5	41.0		
30	0.50	1.5	41.0		
35	0.50	1.5	41.0		
40	0.50	1.5	41.0		
45	0.50	1.0	33.9		
50	0.25	3.5	17.1		
55	0.25	4.5	19.5		
60	0.25	5.0	20.7		

2nd Open				
Time	Orifice	PSI	MCF/D	

