



**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

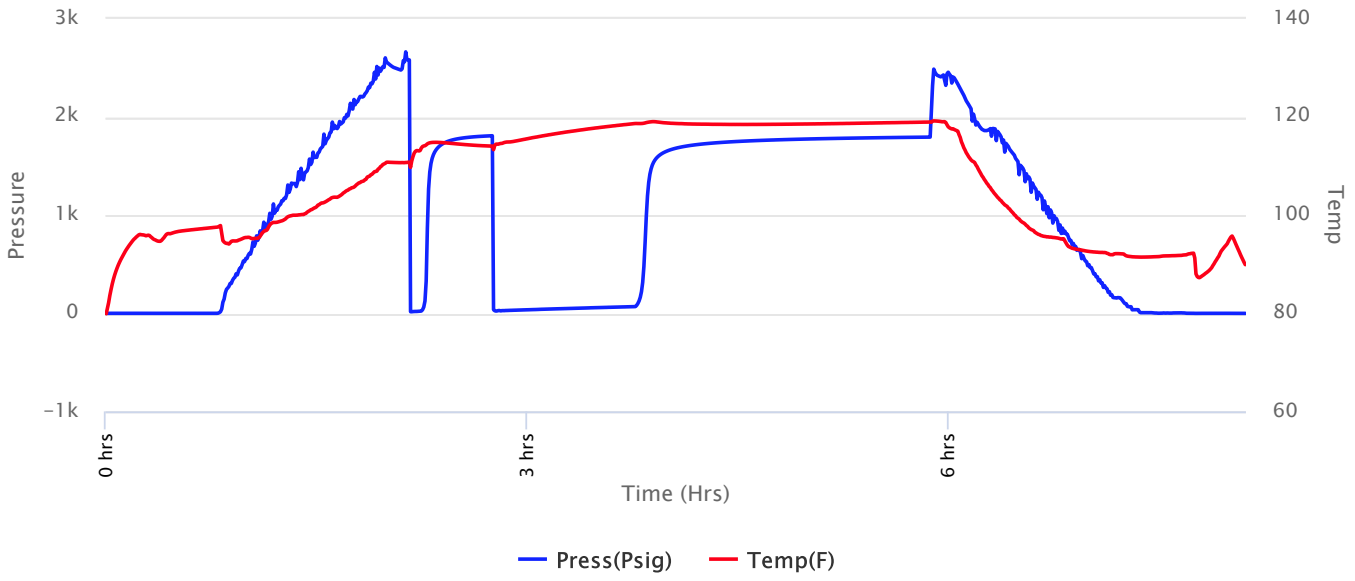
Operation:
Uploading recovery &
pressures

DATE
July
20
2019

DST #3 **Formation: Pawnee / myrick** **Test Interval: 5170 - 5200'** **Total Depth: 5200'**
Time On: 10:15 07/20 Time Off: 18:10 07/20
Time On Bottom: 12:23 07/20 Time Off Bottom: 15:58 07/20

Electronic Volume Estimate: 125'	<u>1st Open</u> Minutes: 5 Current Reading: 1.3" at 5 min Max Reading: 1.3"	<u>1st Close</u> Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"	<u>2nd Open</u> Minutes: 60 Current Reading: 7.8" at 60 min Max Reading: 7.8"	<u>2nd Close</u> Minutes: 120 Current Reading: 0" at 120 min Max Reading: 0"
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Inside Recorder





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Recovered

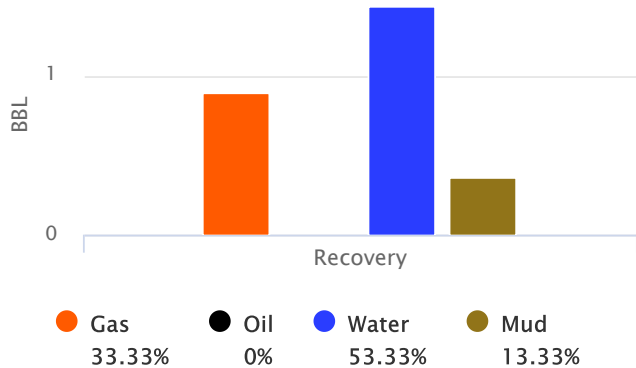
Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
63	0.89649	G	100	0	0	0
63	0.89649	HMCW	0	0	70	30
63	0.89649	SLMCW	0	0	90	10

Total Recovered: 189 ft
 Total Barrels Recovered: 2.68947

Reversed Out
 NO

Initial Hydrostatic Pressure	2482	PSI
Initial Flow	16 to 23	PSI
Initial Closed in Pressure	1808	PSI
Final Flow Pressure	22 to 68	PSI
Final Closed in Pressure	1794	PSI
Final Hydrostatic Pressure	2456	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	0.8	%

Recovery at a glance



GIP cubic foot volume: 5.03334



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BUCKET MEASUREMENT:

1st Open: Wsb built to 1 1/4"
1st Close: Nobb
2nd Open: Wsb built to 7 3/4"
2nd Close: Nobb

REMARKS:

Tool Sample: 0% Gas 1% Oil 96% Water 3% Mud

Ph: 7

Measured RW: .1 @ 101 degrees °F

RW at Formation Temp: 0.085 @ 120 °F

Chlorides: 53800 ppm



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Down Hole Makeup

Heads Up: 26.98 FT	Packer 1: 5165 FT
Drill Pipe: 5164.41 FT <i>ID-3 1/2</i>	Packer 2: 5170 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 5154.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 5172 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 30

Anchor Makeup

Packer Sub: 1 FT

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



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Mud Properties

Mud Type: Chemical **Weight:** 9.2 **Viscosity:** 53 **Filtrate:** 9.2 **Chlorides:** 8350 ppm