Company: Mull Drilling Company, Inc
Lease: Bouziden Unit #3-10

Diamond Testing LLC

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
18
2019

DST #2   **Formation: Lansing H**   **Test Interval: 4790 - 4820'**   **Total Depth: 4820'**

Time On: 16:27 07/18   Time Off: 01:48 07/19
Time On Bottom: 18:44 07/18   Time Off Bottom: 22:19 07/18
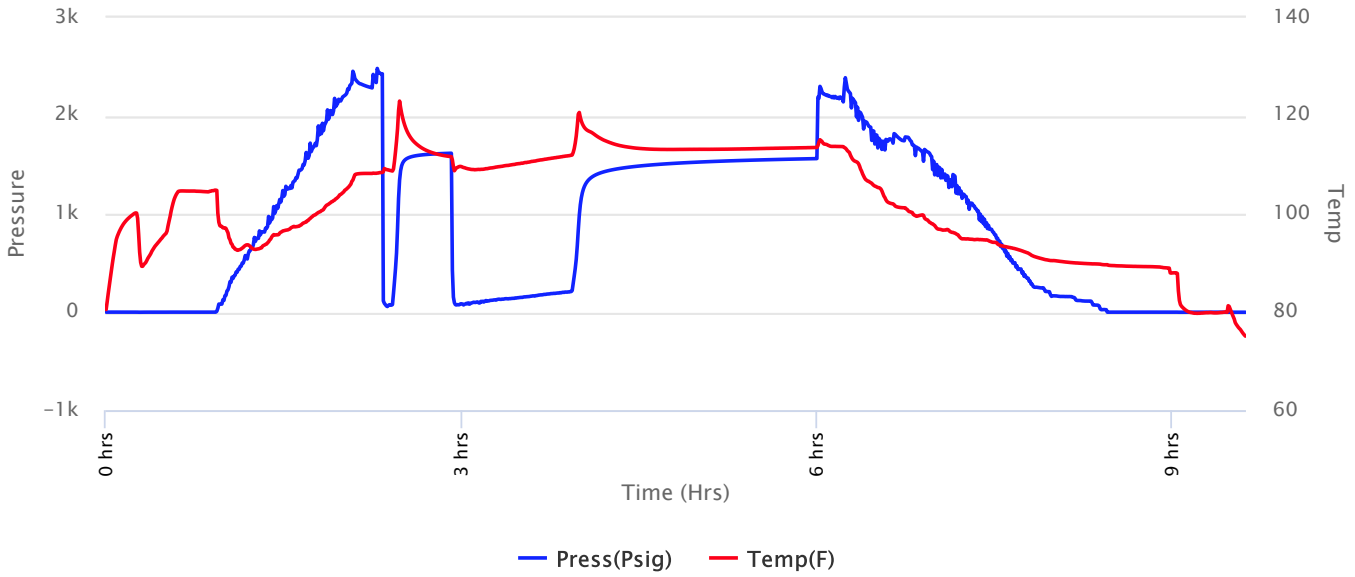
Electronic Volume Estimate: N/A	1st Open	1st Close	2nd Open	2nd Close
	Minutes: 5	Minutes: 30	Minutes: 60	Minutes: 120
	Current Reading:	Current Reading:	Current Reading:	Current Reading:
	234.6" at 5 min	0" at 30 min	Gg" at 60 min	Bleeding off" at 120 min
	Max Reading: 234.6"	Max Reading: 0"	Max Reading: Gg"	Max Reading: Bleeding off"

Inside Recorder

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Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
94	1.33762	SLMCSLGCO	10	87	0	3
63	0.89649	SLGCSLWCMCO	5	65	10	20
189	2.68947	G	100	0	0	0
63	0.89649	SLWCSLMCO	0	80	10	10
63	0.89649	SLMCSLWCSLGCO	10	77	10	3
63	0.89649	SLMCSLGCO	5	92	0	3

Total Recovered: 535 ft

Total Barrels Recovered: 7.61305

Reversed Out NO

Initial Hydrostatic Pressure	2296	PSI
Initial Flow	57 to 77	PSI
Initial Closed in Pressure	**1618**	**PSI**
Final Flow Pressure	76 to 208	PSI
Final Closed in Pressure	**1563**	**PSI**
Final Hydrostatic Pressure	2278	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	3.4	%

Recovery at a glance

Gas 39.44%   Oil 52.26%   Water 3.53%   Mud 4.77%
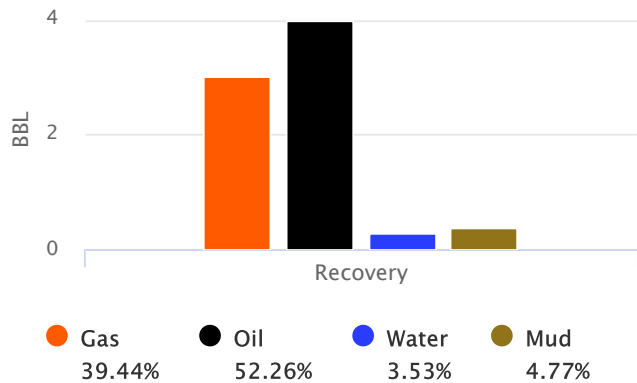
GIP cubic foot volume: 16.8577

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BUCKET MEASUREMENT:

1st Open: Bob in 30 sec

1st Close: Nobb

2nd Open: Gts in 3 1/2 min

2nd Close: Could not bleed off so let it bleed out the whole final shut in..

REMARKS:

tool sample blew out.

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

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Down Hole Makeup

Heads Up:	27.44 FT	**Packer 1:**	4785 FT
Drill Pipe:	4784.87 FT	**Packer 2:**	4790 FT
ID-3 1/2		**Top Recorder:**	4774.42 FT
Weight Pipe:	FT	**Bottom Recorder:**	4792 FT
ID-2 7/8		**Well Bore Size:**	7 7/8
Collars:	FT	**Surface Choke:**	1"
ID-2 1/4		**Bottom Choke:**	5/8"
Test Tool:	33.57 FT		
ID-3 1/2-FH			
Jars			
Safety Joint			
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:** 9.35   **Viscosity:** 50   **Filtrate:** 10   **Chlorides:** 7800 ppm

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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D
5	0.375	4.0	39.0
10	0.375	4.5	41.6
15	0.375	4.5	41.6
20	0.375	4.0	39.0
25	0.375	4.0	39.0
30	0.375	4.0	39.0
35	0.375	4.0	39.0
40	0.375	3.5	36.3
45	0.375	3.5	36.3
50	0.375	3.0	33.5
55	0.375	3.0	33.5
60	0.375	2.5	31.4