



Company: RJM Oil Company, Inc

Lease: Morgenstern #3

SEC: 26 TWN: 17S RNG: 13W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 3
Elevation: 1849 GL
Field Name: Boger
Pool: Infield
Job Number: 367
API #: 15-009-26264-00-00

Operation:
Uploading recovery & pressures

DATE
July
20
2019

DST #3 **Formation: Arbuckle** **Test Interval: 3337 - 3363'** **Total Depth: 3363'**

Time On: 19:12 07/20 Time Off: 01:04 07/21
Time On Bottom: 20:59 07/20 Time Off Bottom: 22:59 07/20

Electronic Volume Estimate:
7'

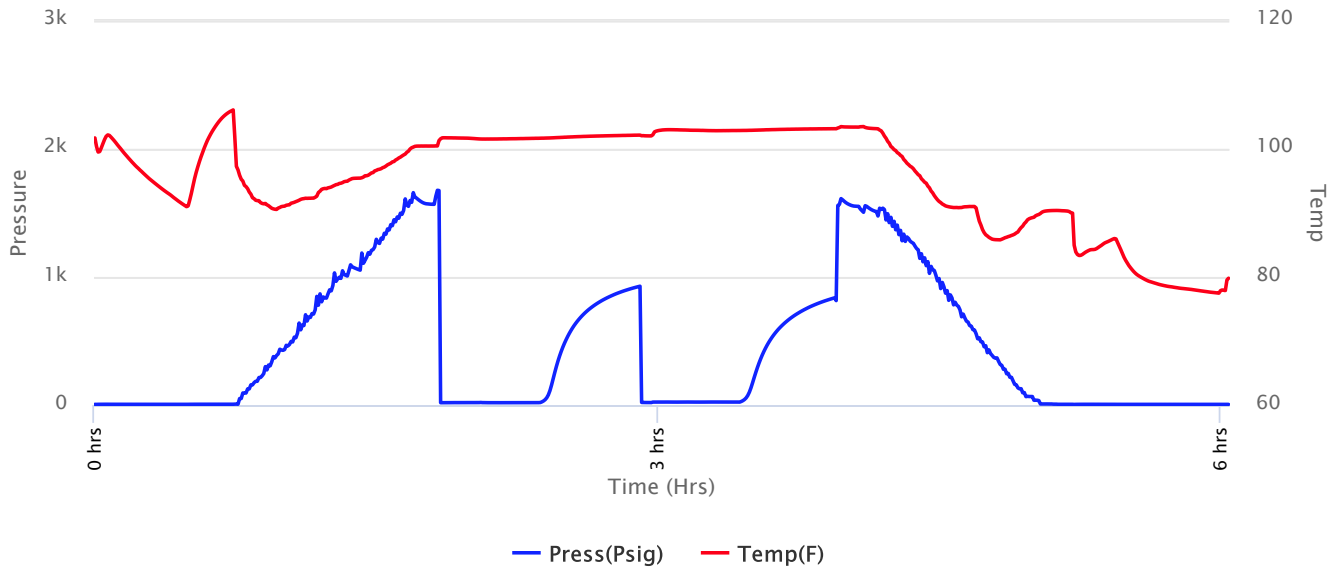
1st Open
Minutes: 30
Current Reading: .5" at 30 min
Max Reading: .6"

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

2nd Open
Minutes: 30
Current Reading: .1" at 30 min
Max Reading: .25"

2nd Close
Minutes: 30
Current Reading: 0" at 30 min
Max Reading: 0"

Inside Recorder





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Recovered

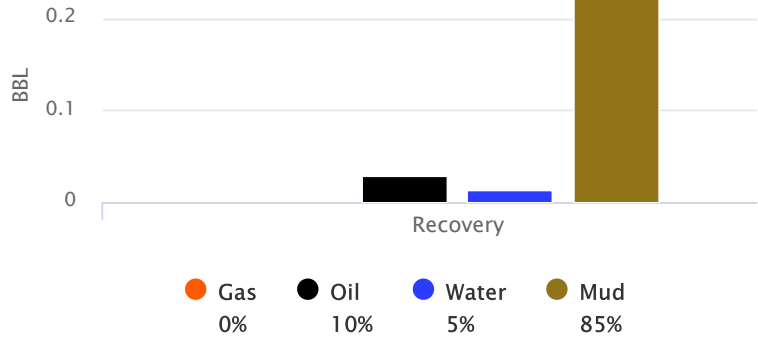
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.2846	SLWCSLOCM	0	10	5	85

Total Recovered: 20 ft
Total Barrels Recovered: 0.2846

Reversed Out
NO

Initial Hydrostatic Pressure	1568	PSI
Initial Flow	19 to 20	PSI
Initial Closed in Pressure	929	PSI
Final Flow Pressure	21 to 24	PSI
Final Closed in Pressure	834	PSI
Final Hydrostatic Pressure	1557	PSI
Temperature	103	°F
Pressure Change Initial Close / Final Close	10.2	%

Recovery at a glance



GIP cubic foot volume: 0



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DST #3 Formation: Arbuckle Test Interval: 3337 - Total Depth: 3363'
3363'
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BUCKET MEASUREMENT:

1st Open: 1/4" Blow built to 1/2" over 30 min.

1st Close: No Return

2nd Open: No Blow - flushed tool at 2 min. - 1/4" Blow Died back to weak surface blow over 30 min.

2nd Close: No Return

REMARKS:

Flushed tool 2 min. Into FFP.



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Down Hole Makeup

Heads Up: 10.44 FT	Packer 1: 3332 FT
Drill Pipe: 3322.28 FT <i>ID-3 1/2</i>	Packer 2: 3337 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 3324 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3339 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 26	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 25 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem Weight: 9.2 Viscosity: 38 Filtrate: 9.6 Chlorides: 10000 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D