



**Company: Hartman Oil
Company, Inc.
Lease: Krug #2-14**

SEC: 14 TWN: 10S RNG: 33W
County: THOMAS
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 3148 EGL
Field Name: Nollette East
Pool: Infield
Job Number: 354
API #: 15-193-21045

Operation:
Uploading recovery &
pressures

DATE
June
07
2019

DST #4 Formation: LKC "L" Test Interval: 4328 - Total Depth: 4356'
4356'
Time On: 13:01 06/07 Time Off: 18:23 06/07
Time On Bottom: 15:34 06/07 Time Off Bottom: 16:42 06/07

Electronic Volume
Estimate:
0'

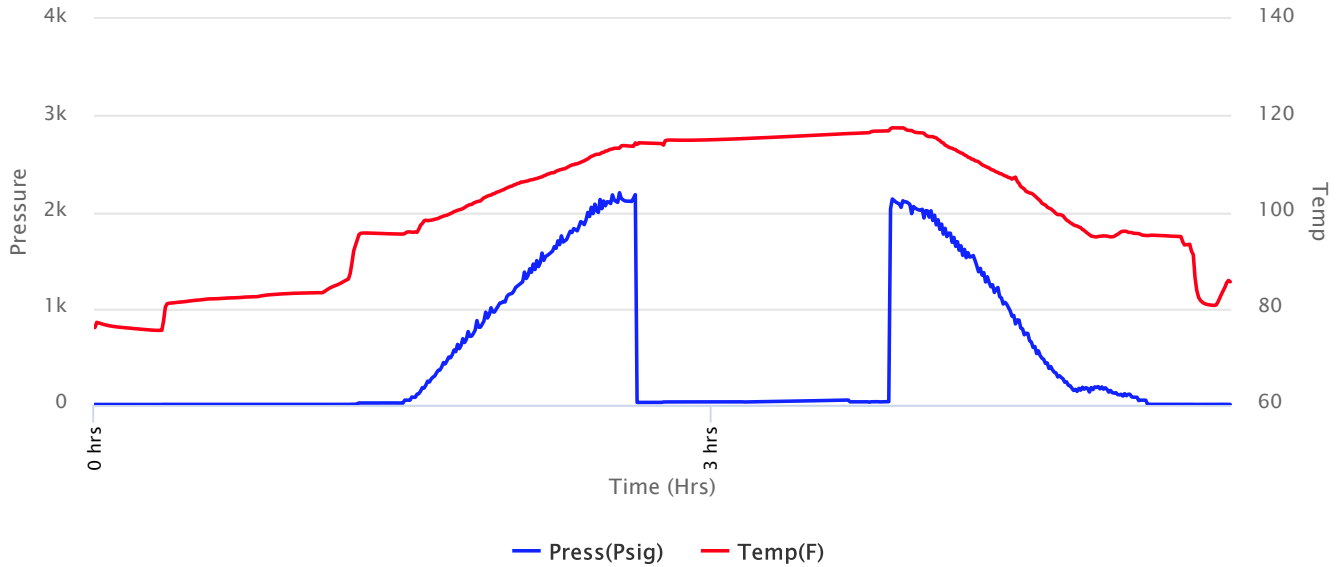
1st Open
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

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

2nd Open
Minutes: 5
Current Reading:
0" at 5 min
Max Reading: 0"

2nd Close
N/A

Inside Recorder





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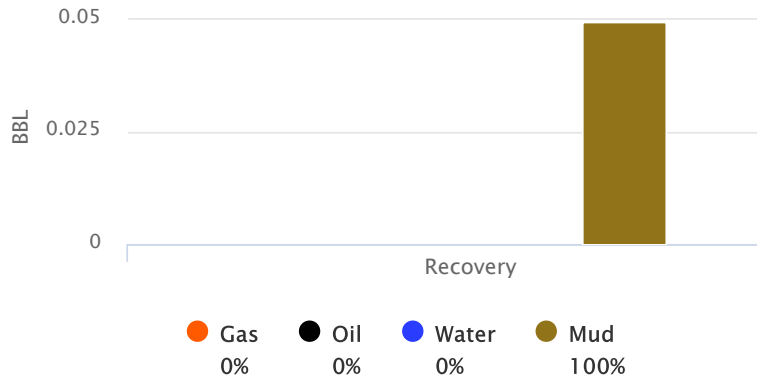
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
10	0.0492	M	0	0	0	100

Total Recovered: 10 ft
 Total Barrels Recovered: 0.0492

Reversed Out
NO

Initial Hydrostatic Pressure	2110	PSI
Initial Flow	26 to 32	PSI
Initial Closed in Pressure	50	PSI
Final Flow Pressure	32 to 33	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	2081	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

1st Open: Weak surface blow died in 30 sec. - Flushed tool ar 6 min. - Surface blow died in 30 sec.

1st Close: No Return

2nd Open: No Blow- Flushed tool at 6 min into Final Flow - Weak Surface Blow died in 15 sec.

2nd Close: N/A - Pulled tool during Final Flow Period.

REMARKS:

Flushed tool at 6 min. Into Initial flow Period./

Flushed tool again at 6 min. into Final Flow Period.

Pulled tools once blow died after second tool flush.

Show of oil spots in tool sample.

Tool Sample: 0% Gas .1% Oil 0% Water 99.9% Mud



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Down Hole Makeup

Heads Up: 16.6 FT	Packer 1: 4322.5 FT
Drill Pipe: 4190.12 FT <i>ID-3 1/2</i>	Packer 2: 4328 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4311.92 FT
Collars: 121.41 FT <i>ID-2 1/4</i>	Bottom Recorder: 4330 FT
Test Tool: 34.07 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 28	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
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): 27 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chem **Weight:** 9.1 **Viscosity:** 51 **Filtrate:** 8.0 **Chlorides:** 3200 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D