



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:
 Test Complete

DATE
 June
06
 2019

DST #2 **Formation: L/KC "I"** **Test Interval: 4246 - 4275'** **Total Depth: 4275'**
 Time On: 09:45 06/06 Time Off: 15:10 06/06
 Time On Bottom: 11:33 06/06 Time Off Bottom: 13:33 06/06

Electronic Volume Estimate:
 3'

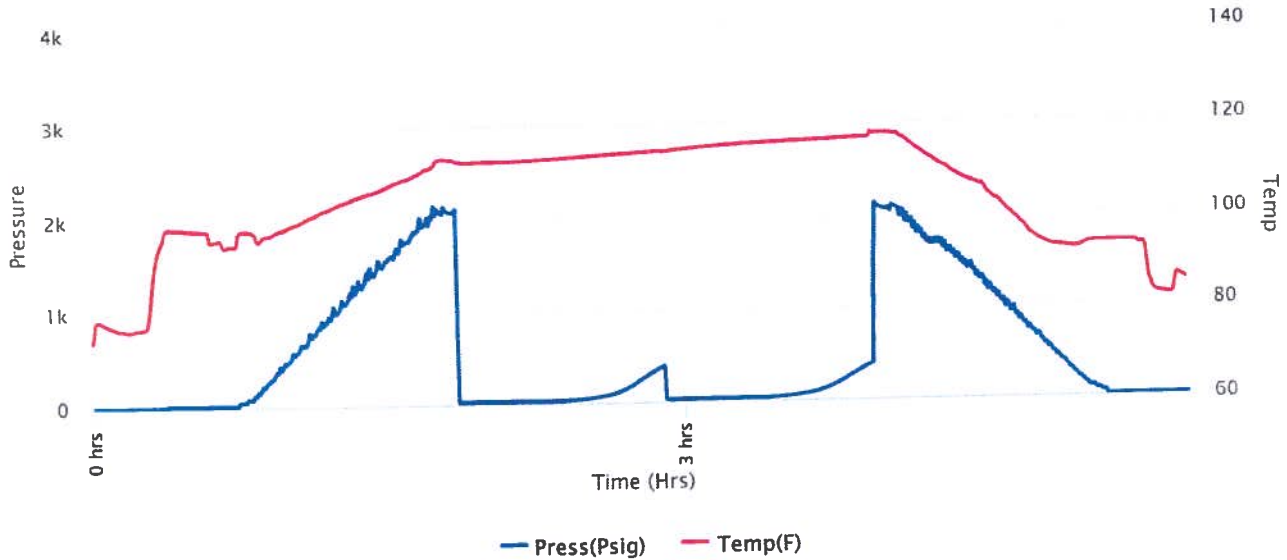
1st Open
 Minutes: 30
 Current Reading: .1" at 30 min
 Max Reading: .1"

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

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

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

Inside Recorder





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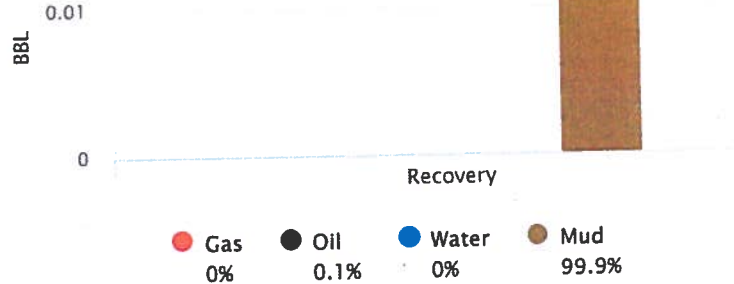
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLS					
3	0.01476	M (trace oil)	0	.1	0	99.9

Total Recovered: 3 ft
 Total Barrels Recovered: 0.01476

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	2074	PSI
Initial Flow	24 to 23	PSI
Initial Closed In Pressure	376	PSI
Final Flow Pressure	24 to 25	PSI
Final Closed In Pressure	375	PSI
Final Hydrostatic Pressure	2058	PSI
Temperature	116	°F
Pressure Change Initial Close / Final Close	0.2	%



GIP cubic foot volume: 0



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BUCKET MEASUREMENT:

1st Open: Weak, surface blow building to 1/8 in. in 30 mins.

1st Close: No blow back.

2nd Open: No blow.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



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Down Hole Makeup

Heads Up: 35.08 FT	Packer 1: 4240.5 FT
Drill Pipe: 4126.6 FT <i>ID-3 1/2</i>	Packer 2: 4246 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4229.92 FT
Collars: 121.41 FT <i>ID-2 1/4</i>	Bottom Recorder: 4248 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: 29	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): 28 FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical

Weight: 9.2

Viscosity: 54

Filtrate: 7.2

Chlorides: 2,500 ppm