

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

Operation: Uploading recovery & pressures

Rig 10

Drilling Contractor: WW Drilling, LLC -

Elevation: 3148 EGL

County: THOMAS State: Kansas

Field Name: NOLLETTE EAST

SEC: 14 TWN: 10S RNG: 33W

Pool: Infield Job Number: 354 API#: 15-193-21045

**DATE** June

05 2019 Formation: LKC "H"

Test Interval: 4210 -

Total Depth: 4246'

4246'

Time On: 20:28 06/05 Time Off: 03:35 06/06

Time On Bottom: 22:37 06/05 Time Off Bottom: 01:52 06/06

Electronic Volume Estimate: 297'

1st Open Minutes: 45 **Current Reading:** 10.7" at 45 min Max Reading: 10.7"

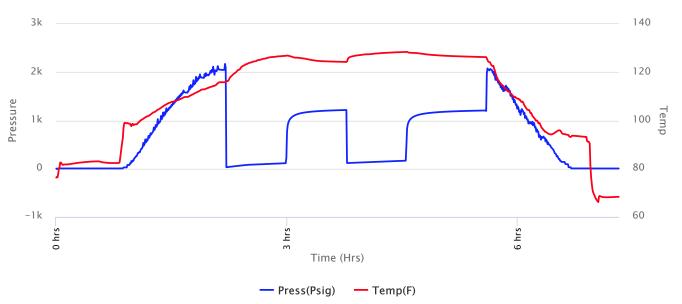
**DST #1** 

1st Close Minutes: 45 **Current Reading:** 0" at 45 min Max Reading: 0"

2nd Open Minutes: 45 **Current Reading:** 8.8" at 45 min Max Reading: 8.8"

2nd Close Minutes: 60 **Current Reading:** 0" at 60 min Max Reading: 0"

Inside Recorder





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#### Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
63	0.89649	MCW (trace O)	0	.1	79.9	20
63	0.8833629	SLMCW	0	0	90	10
60	0.2952	SLMCW	0	0	94	6
60	0.2952	SLMCW	0	0	97	3

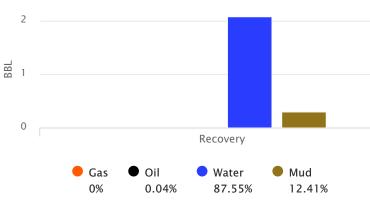
Total Recovered: 246 ft

Total Barrels Recovered: 2.3702529

Reversed Out
NO

Initial Hydrostatic Pressure	2048	PSI
Initial Flow	29 to 112	PSI
Initial Closed in Pressure	1216	PSI
Final Flow Pressure	119 to 165	PSI
Final Closed in Pressure	1206	PSI
Final Hydrostatic Pressure	2066	PSI
Temperature	129	°F
Pressure Change Initial	0.8	%
Close / Final Close		

# Recovery at a glance



GIP cubic foot volume: 0



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#### **BUCKET MEASUREMENT:**

1st Open: Surface blow built to BoB in 44 min. 30 sec.

1st Close: No Return

2nd Open: Surface blow started at 3 min. Built to 8 3/4" over 45 min.

2nd Close: No Return

**REMARKS:** 

Tool Sample: 0% Gas 1% Oil 86% Water 13% Mud

Ph: 7

Measured RW: .03 @ 60 degrees °F

RW at Formation Temp: 0.015 @ 129 °F

Chlorides: 68000 ppm



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### **Down Hole Makeup**

**Heads Up:** 8.689999999999 FT **Packer 1:** 4203.5 FT

**Drill Pipe:** 4063.21 FT **Packer 2:** 4210 FT

ID-3 1/2

Top Recorder: 4192.92 FT

Weight Pipe: 0 FT

Bottom Recorder: 4212 FT

ID-2 7/8

Collars: 121.41 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 35.07 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Jars Safety Joint

Total Anchor: 36

Anchor Makeup
Packer Sub: 1 FT

Perforations: (top): 0 FT

4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT

ID-3 1/2

Change Over: 0 FT

35 FT

4 1/2-FH

Perforations: (below):



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#### **Mud Properties**

Mud Type: Chem Weight: 9.1 Viscosity: 50 Filtrate: 6.4 Chlorides: 1500 ppm



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MCF/D

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## **Gas Volume Report**

1st Open				2nd Open		
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI