



Company: K & N Petroleum, Inc
Lease: Norman Klepper "A" #2

SEC: 17 TWN: 22S RNG: 11W
 County: STAFFORD
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 1826 GL
 Field Name: Heyen
 Pool: Infield
 Job Number: 400
 API #: 15-185-24061-00-00

Operation:
 Uploading recovery & pressures

DATE
 October
16
 2019

DST #4 Formation: Arbuckle Test Interval: 3578 - 3622' Total Depth: 3622'
 Time On: 10:28 10/16 Time Off: 17:25 10/16
 Time On Bottom: 12:33 10/16 Time Off Bottom: 15:33 10/16

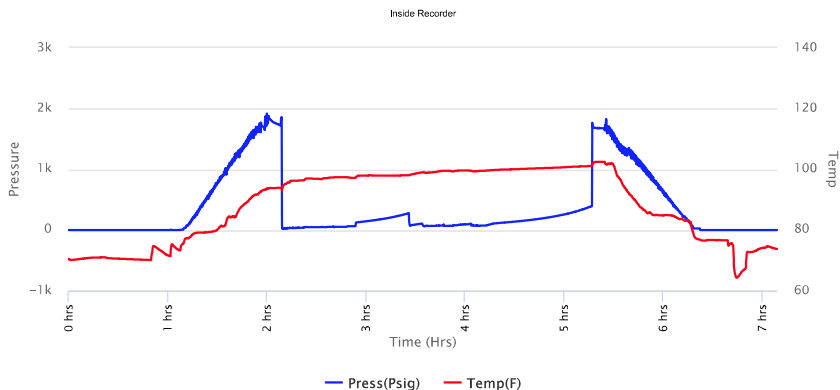
Electronic Volume Estimate: 678'

1st Open
 Minutes: 30
 Current Reading: 15.2" at 30 min
 Max Reading: 15.2"

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

2nd Open
 Minutes: 45
 Current Reading: 59.1" at 45 min
 Max Reading: 59.1"

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



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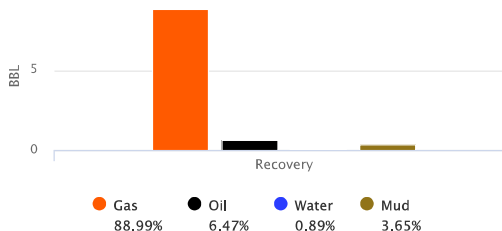
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Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
540	7.6842	G	100	0	0	0
32	0.45536	SLOCHGCM	35	5	0	60
124	1.76452	SLMCSLWCHOCG	55	35	5	5

Total Recovered: 696 ft
 Total Barrels Recovered: 9.90408

Reversed Out
 NO

Recovery at a glance



GIP cubic foot volume: 49.48655

Initial Hydrostatic Pressure	1768	PSI
Initial Flow	23 to 65	PSI
Initial Closed in Pressure	279	PSI
Final Flow Pressure	72 to 100	PSI
Final Closed in Pressure	395	PSI
Final Hydrostatic Pressure	1684	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	0.0	%



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BUCKET MEASUREMENT:
 1st Open: BOB in 15 min
 1st Close: No Blow
 2nd Open: BOB in 1 min
 2nd Close: No Blow

REMARKS:

Tool Sample: 10% Gas 65% Oil 5% Water 20% Mud



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Down Hole Makeup

Heads Up: 33.57 FT	Packer 1: 3573 FT
Drill Pipe: 3583.83 FT <i>ID-3 1/2</i>	Packer 2: 3578 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3562.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3623 FT
Test Tool: 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 44	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 43 FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): FT <i>4 1/2-FH</i>	



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Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 54 **Filtrate:** 10.8 **Chlorides:** 9000 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D