



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:
 Tripping out of hole with test tool

DATE
 October
15
 2019

DST #3 Formation: Arbuckle Test Interval: 3593 - 3612' Total Depth: 3612'
 Time On: 20:00 10/15 Time Off: 00:00 01/01
 Time On Bottom: 21:59 10/15 Time Off Bottom: 00:29 10/16

Electronic Volume Estimate:
 1593'

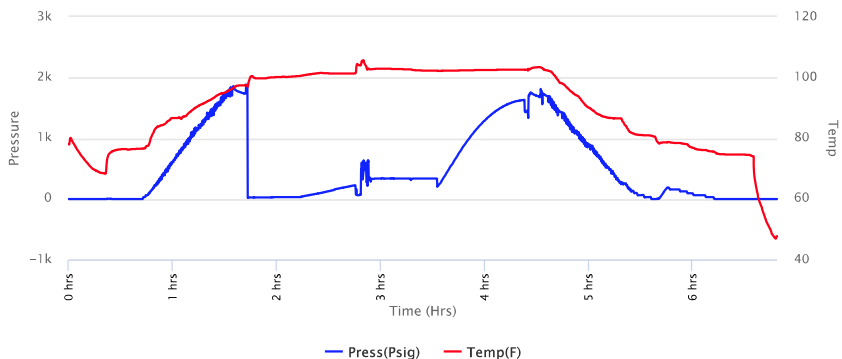
1st Open
 Minutes: 30
 Current Reading: 93.1" at 30 min
 Max Reading: 93.1"

1st Close
 Minutes: 30
 Current Reading: .9" at 30 min
 Max Reading: .9"

2nd Open
 Minutes: 45
 Current Reading: 85.5" at 45 min
 Max Reading: 100"

2nd Close
 Minutes: 40
 Current Reading: 0" at 40 min
 Max Reading: 0"

Inside Recorder



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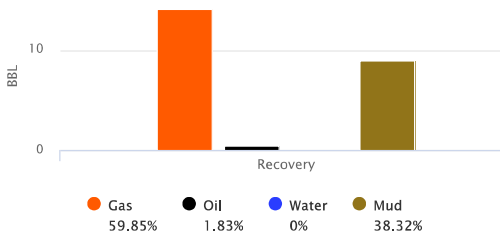
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
950	13.5185	G	100	0	0	0
125	1.77875	SLOCHGCM	30	15	0	55
575	8.18225	SLOCM	0	2	0	98

Total Recovered: 1650 ft
 Total Barrels Recovered: 23,4795

Reversed Out
 NO

Recovery at a glance



GIP cubic foot volume: 78.89566

Initial Hydrostatic Pressure	1757	PSI
Initial Flow	23 to 35	PSI
Initial Closed in Pressure	228	PSI
Final Flow Pressure	64 to 340	PSI
Final Closed in Pressure	1636	PSI
Final Hydrostatic Pressure	1713	PSI
Temperature	103	°F
Pressure Change Initial	0.0	%
Close / Final Close		



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BUCKET MEASUREMENT:

1st Open: Built to 93.1
 1st Close: Built to .9
 2nd Open: Built to 100"
 2nd Close: No Blow

REMARKS:

appears that shortly after the 2nd open the packers unseated

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



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Down Hole Makeup

Heads Up: 18.7 FT	Packer 1: 3588 FT
Drill Pipe: 3583.96 FT <i>ID-3 1/2</i>	Packer 2: 3593 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3577.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 3613 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: 19	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 18 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:** 9.1 **Viscosity:** 60 **Filtrate:** 8.8 **Chlorides:** 6000 ppm



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Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D