



Company: L. D. Drilling, Inc
Lease: Crystal #1-4

SEC: 4 TWN: 11S RNG: 16W
 County: ELLIS
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 1863 EGL
 Field Name: Wildcat
 Pool: Infield
 Job Number: 326

Operation:
 Uploading recovery & pressures

DATE
 April
20
 2019

DST #2 **Formation: Toronto - Lansing "B" zone** **Test Interval: 3023 - 3120'** **Total Depth: 3120'**
 Time On: 20:20 04/20 Time Off: 03:13 04/21
 Time On Bottom: 22:17 04/20 Time Off Bottom: 01:17 04/21

Electronic Volume Estimate:
 830'

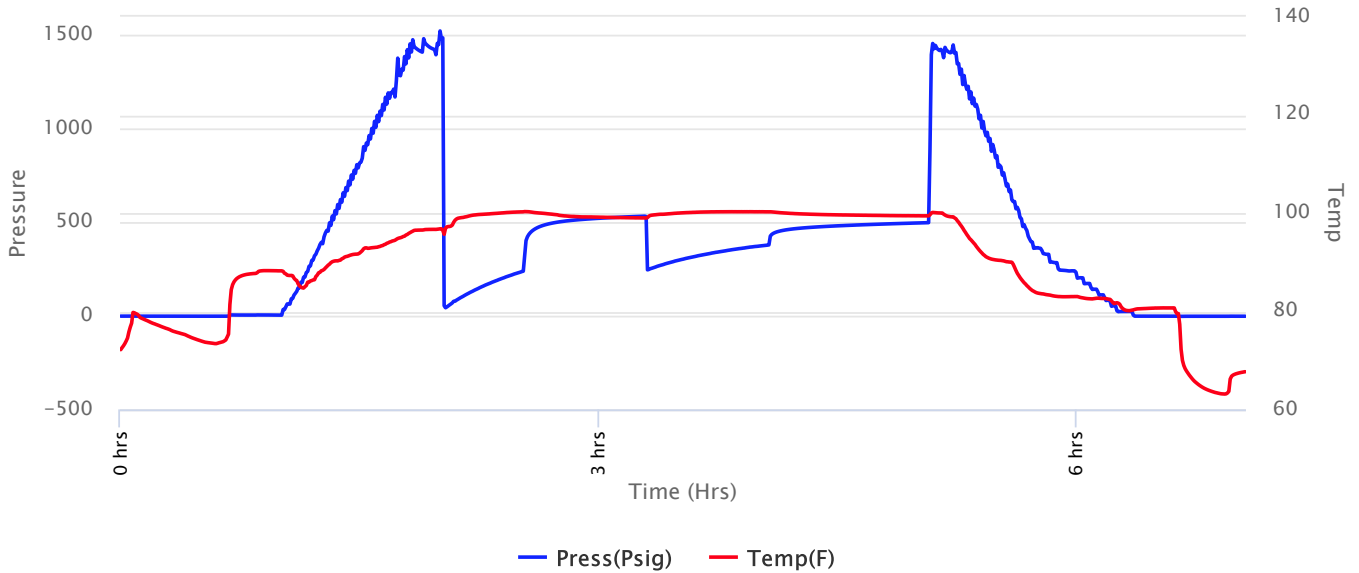
1st Open
 Minutes: 30
 Current Reading:
 66.6" at 30 min
 Max Reading: 66.6"

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

2nd Open
 Minutes: 45
 Current Reading:
 45.9" at 45 min
 Max Reading: 45.9"

2nd Close
 Minutes: 60
 Current Reading:
 .5" at 60 min
 Max Reading: 1.2"

Inside Recorder





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Recovered

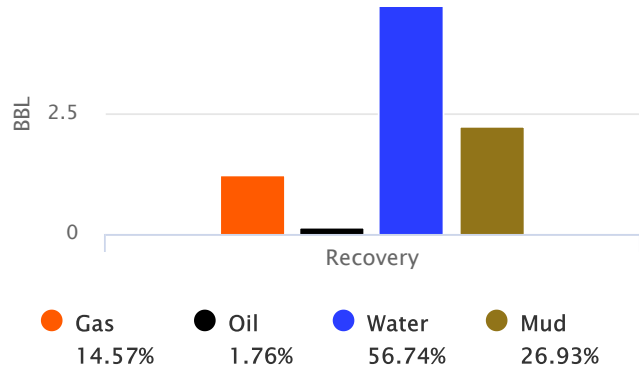
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
31	0.31806	G	100	0	0	0
31	0.31806	OCHMCW	0	20	40	40
63	0.64638	SLOCSLGCWCM	18	2	20	60
126	1.29276	SLOCSLGCHWCM	14	1	35	50
252	2.58552	SLOCSLGCMCW	19	1	60	20
189	1.93914	SLOCSLMCW	0	1	89	10
126	1.29276	SLOCSLGCHMCW	9	1	60	30

Total Recovered: 818 ft
 Total Barrels Recovered: 8.39268

Reversed Out
 NO

Initial Hydrostatic Pressure	1428	PSI
Initial Flow	44 to 240	PSI
Initial Closed in Pressure	532	PSI
Final Flow Pressure	247 to 380	PSI
Final Closed in Pressure	499	PSI
Final Hydrostatic Pressure	1426	PSI
Temperature	101	°F
Pressure Change Initial Close / Final Close	6.2	%

Recovery at a glance



GIP cubic foot volume: 6.86649



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BUCKET MEASUREMENT:
 1st Open: 1" Bob in 3 min
 1st Close: Nobb
 2nd Open: 1/4" Bob in 6 min
 2nd Close: Built to 1 1/4"

REMARKS:
 Tool Sample: 0% Gas 5% Oil 92% Water 3% Mud
 Ph: 7
 Measured RW: .2 @ 61 degrees °F
 RW at Formation Temp: 0.126 @ 101 °F
 Chlorides: 41400 ppm



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Down Hole Makeup

Heads Up:	4.8999999999999 FT	Packer 1:	3018 FT
Drill Pipe:	2995.33 FT	Packer 2:	3023 FT
<i>ID-3 1/4</i>		Top Recorder:	3007.42 FT
Weight Pipe:	FT	Bottom Recorder:	3091 FT
<i>ID-2 7/8</i>		Well Bore Size:	7 7/8
Collars:	FT	Surface Choke:	1"
<i>ID-2 1/4</i>		Bottom Choke:	5/8"
Test Tool:	33.57 FT		
<i>ID-3 1/2-FH</i>			
<i>Jars</i>			
<i>Safety Joint</i>			

Total Anchor: 97
Anchor Makeup

Packer Sub: 1 FT
Perforations: (top): 2 FT
4 1/2-FH
Change Over: 1 FT
Drill Pipe: (in anchor): 62 FT
ID-3 1/4
Change Over: 1 FT
Perforations: (below): 30 FT
4 1/2-FH

