

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

Drilling Contractor: L. D. Drilling, Inc -

County: ELLIS State: Kansas

SEC: 4 TWN: 11S RNG: 16W

Rig 1

Elevation: 1863 EGL Field Name: Wildcat

Pool: Infield Job Number: 326

Operation:
Uploading recovery & pressures

DATE

April **21**

2019

DST #3 Formation: Lansing F-G

Test Interval: 3127 -

Total Depth: 3167'

3167'

Time On: 10:15 04/21 Time Off: 17:00 04/21

Time On Bottom: 12:05 04/21 Time Off Bottom: 15:05 04/21

Electronic Volume Estimate:

326'

1st Open Minutes: 30 Current Reading: 17.2" at 30 min

Max Reading: 17.2"

1st Close Minutes: 45 Current Reading: 1.5" at 45 min

Max Reading: 1.5"

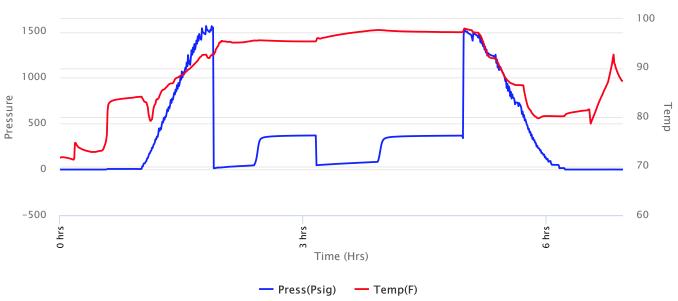
2nd Open Minutes: 45 Current Reading:

21.3" at 45 min
Max Reading: 21.3"

2nd Close Minutes: 60 Current Reading: .8" at 60 min

Max Reading: .9"







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Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
262	2.68812	G	100	0	0	0
40	0.4104	SLMCSLWCHGCO	30	50	10	10
80	0.8208	SLMCSLWCHGCO	35	45	10	10
40	0.4104	SLOCGCHWCM	25	10	30	35

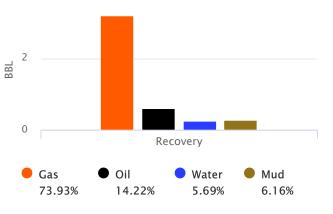
Total Recovered: 422 ft

Total Barrels Recovered: 4.32972

Reversed Out	
NO	

Initial Hydrostatic Pressure	1505	PSI
Initial Flow	12 to 45	PSI
Initial Closed in Pressure	370	PSI
Final Flow Pressure	46 to 83	PSI
Final Closed in Pressure	369	PSI
Final Hydrostatic Pressure	1502	PSI
Temperature	98	°F
Pressure Change Initial	0.2	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 17.97269



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BUCKET MEASUREMENT:

1st Open: Wsb Bob in 18 min 1st Close: Built to 1 1/2" 2nd Open: 1/2" Bob in 18 min

2nd Close: Built to 1"

REMARKS:

Tool Sample: 20% Gas 10% Oil 67% Water 3% Mud

Ph: 7

Measured RW: .1 @ 88 degrees °F

RW at Formation Temp: 0.09 @ 98 °F

Chlorides: 62300 ppm



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Down Hole Makeup

Heads Up: 24.88 FT Packer 1: 3122 FT

Drill Pipe: 3119.31 FT Packer 2: 3127 FT

7 7/8

5/8"

ID-3 1/4

Top Recorder: 3111.42 FT

Weight Pipe: FT **Bottom Recorder:** 3131 FT

ID-2 7/8

Well Bore Size:

Bottom Choke:

Collars: FT

ID-2 1/4

Surface Choke:

Test Tool: 33.57 FT

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor:

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 37 FT

4 1/2-FH



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Mud Properties

Mud Type: Chemical Viscosity: 50 Chlorides: 5000 ppm Weight: 9.2 Filtrate: 7.8