



Company: Wiepking-Fullerton  
Energy LLC  
Lease: Ma-State #13

SEC: 24 TWN: 10S RNG: 56W  
County: LINCOLN  
State: Colorado  
Drilling Contractor: Murfin Drilling  
Company, Inc - Rig 25  
Elevation: 5276 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 162

**DATE**

May  
**25**  
2018

DST #1

Formation: Pawnee  
"A"

Test Interval: 7044 -  
7076'

Total Depth: 7076'

Time On: 17:08 05/25

Time Off: 07:29 05/26

Time On Bottom: 20:57 05/25

Time Off Bottom: 23:42 05/25

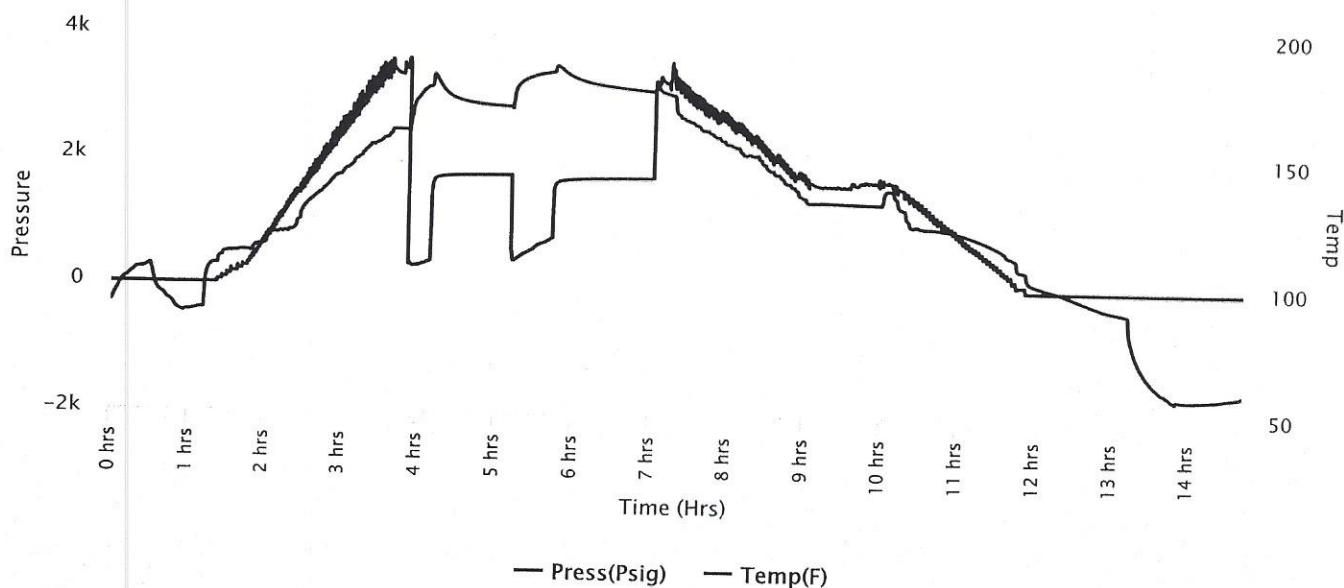
Electronic Volume  
Estimate:  
N/A

1st Open  
Minutes: 15  
Gauging Gas" at 15 min

1st Close  
Minutes: 60  
420" at 60 min

2nd Open  
Minutes: 30  
Gauging Gas" at 30 min

2nd Close  
Minutes: 60  
420" at 60 min





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**Recovered**

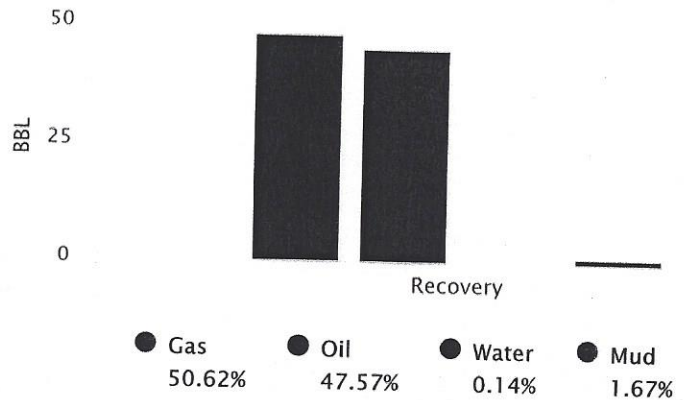
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
3366	47.89818	G	100	0	0	0
3185	44.7553848	O	0	100	0	0
279	1.37268	SLGCSLWCOCM	5	20	5	70
186	0.91512	SLWC SLGCSLOCM	10	15	7	68

Total Recovered: 7016 ft

Total Barrels Recovered: 94.9413648

Reversed Out  
YES

**Recovery at a glance**



Initial Hydrostatic Pressure	3342	PSI
Initial Flow	310 to 394	PSI
Initial Closed in Pressure	1765	PSI
Final Flow Pressure	418 to 781	PSI
Final Closed in Pressure	1738	PSI
Final Hydrostatic Pressure	3341	PSI
Temperature	188	°F
Pressure Change Initial Close / Final Close	1.5	%

Sampler Fluid	0	ML
Sampler Gas	100	%
Sampler Oil	0	%
Sampler Water	0	%
Sampler Mud	0	%
Sampler PSI	0	PSI



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**REMARKS:**

Initial Flow: 2 in. blow increasing. BOB in 35 secs.

Initial Shut-in: BOB blow back.

Final Flow: 12 in. blow immediately.

Final Shut-in: BOB blow back.

After reversing out, we sacked out 5 stands of oil. The 279 ft. was the mud we sacked out. Pipe dried up after after the 3 mud stands were dumped. We didn't run into fluid till we hit my circulation sub. The 186 ft. was the fluid that was trapped under my circulation sub.

Sampler: The gauge on the sampler never showed a pressured jump when turning the pressure release value. There was no fluid coming out. Pushed air through it but only air came out...no fluid.

Water content in recovery could be gas condensate.

Tool Sample: 100 % Oil

Gravity: 34 @ 60 degrees F



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**Down Hole Makeup**

**Heads Up:** 10.42 FT

**Packer 1:** 7037.5 FT

**Drill Pipe:** 6490.93 FT

**Packer 2:** 7044 FT

*ID-3 1/2*

**Weight Pipe:** 0 FT

**Top Recorder:** 7026.42 FT

*ID-2 7/8*

**Bottom Recorder:** 7046 FT

**Collars:** 525.92 FT

**Well Bore Size:** 7 7/8

*ID-2 1/4*

**Surface Choke:** 1"

**Test Tool:** 38.57 FT

**Bottom Choke:** 5/8"

*ID-3 1/2-FH*

*Jars*

*Safety Joint*

*Sampler*

**Total Anchor:** 32

**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

**Perforations: (below):** 31 FT

*4 1/2-FH*



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.2      **Viscosity:** 87      **Filtrate:** 7.2      **Chlorides:** 300 ppm





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**Gas Volume Report**

**Remarks:** GTS in 6 mins. Gas sample taken 10 mins. into 1st opening. Pulled orifice on 2nd opening due to gas condensate & possible fluid following the condensate.

**1st Open**

Time	Orifice	PSI	MCF/D
15	0.50	5.0	78.1

**2nd Open**

Time	Orifice	PSI	MCF/D
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MCF/D

78.1

15 min

Time (minutes)