



Company: L. D. Drilling, Inc
Lease: Dawn Nell #1-18

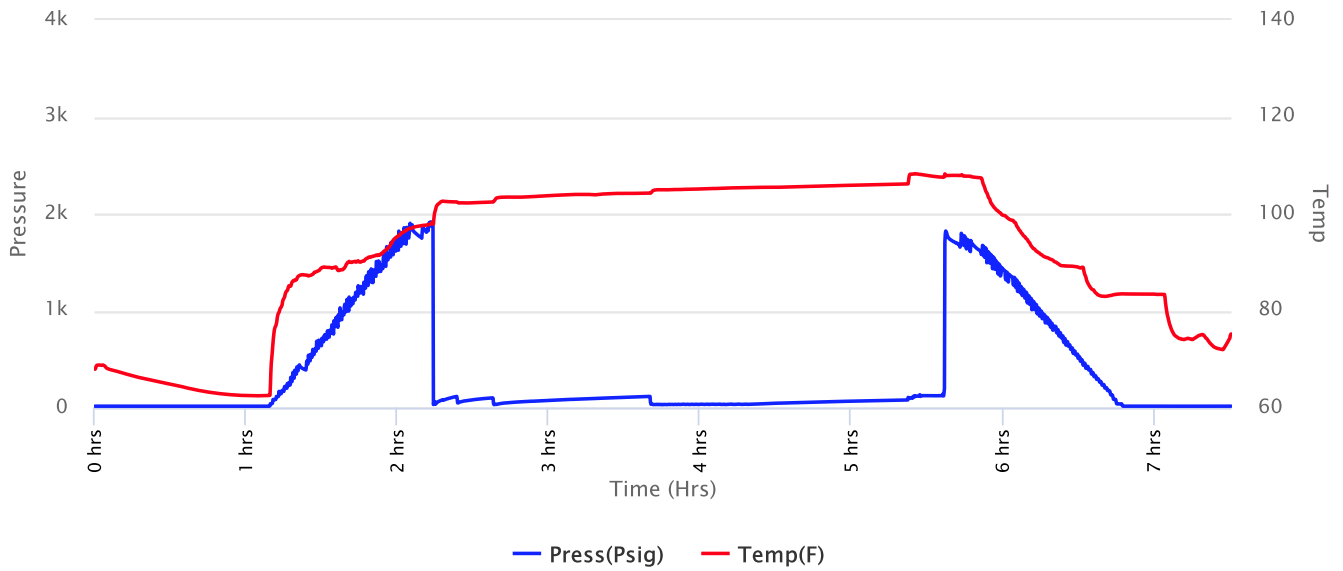
SEC: 18 TWN: 22S RNG: 12W
 County: STAFFORD
 State: Kansas
 Drilling Contractor: L. D. Drilling, Inc - Rig 1
 Elevation: 1879 EGL
 Field Name: Drach
 Pool: WILDCAT
 Job Number: 48

DATE
 August
23
 2017

DST #3 **Formation: VIOLA** **Test Interval: 3545 - 3620'** **Total Depth: 3620'**

Time On: 03:21 08/23 Time Off: 10:39 08/23
 Time On Bottom: 05:31 08/23 Time Off Bottom: 08:31 08/23

| Electronic Volume Estimate: | <u>1st Open</u> Minutes: 30 | 1st Close Minutes: 45 | <u>2nd Open</u> Minutes: 45 | 2nd Close Minutes: 60 |
|-----------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
| 44' | 1.5" at 30 min | 0" at 45 min | 3.2" at 45 min | 0" at 60 min |





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Recovered

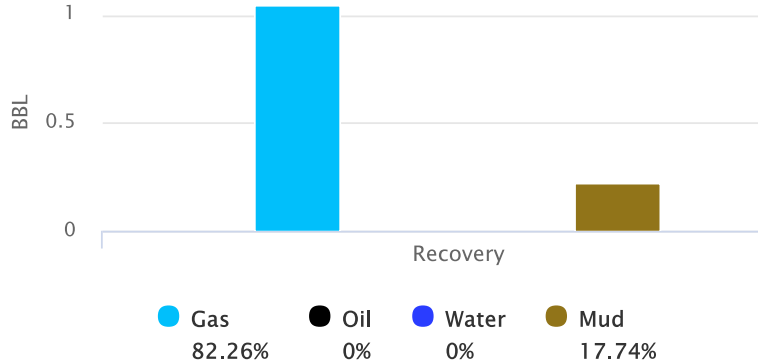
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 102 | 1.04652 | G | 100 | 0 | 0 | 0 |
| 22 | 0.22572 | M | 0 | 0 | | 100 |

Total Recovered: 124 ft
 Total Barrels Recovered: 1.27224

Reversed Out
 NO

| | | |
|---|------------|------------|
| Initial Hydrostatic Pressure | 1747 | PSI |
| Initial Flow | 32 to 31 | PSI |
| Initial Closed in Pressure | 116 | PSI |
| Final Flow Pressure | 35 to 33 | PSI |
| Final Closed in Pressure | 151 | PSI |
| Final Hydrostatic Pressure | 1747 | PSI |
| Temperature | 109 | °F |
| Pressure Change Initial Close / Final Close | 0.0 | % |

Recovery at a glance





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REMARKS:

Tool Sample: 100% M

Start to lose fluid 25 mins into first opening. Add Weight to String and solved fluid lose. Took about 3-5 Foot of Fluid.



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Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 18.16 FT | Packer 1: 3539.87 FT |
| Drill Pipe: 3530.46 FT <i>ID-3 1/4</i> | Packer 2: 3544.87 FT |
| Weight Pipe: 0 FT <i>ID-2 7/8</i> | Top Recorder: 3529.29 FT |
| Collars: 0 FT <i>ID-2 1/4</i> | Bottom Recorder: 3582 FT |
| Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 75.13 | Surface Choke: 1" |
| <u>Anchor Makeup</u> | Bottom Choke: 5/8" |
| Packer Sub: 1 FT | |
| Perforations: (top): 2 FT <i>4 1/2-FH</i> | |
| Change Over: 1 FT | |
| Drill Pipe: (in anchor): 31.13 FT <i>ID-3 1/4</i> | |
| Change Over: 1 FT | |
| Perforations: (below): 39 FT <i>4 1/2-FH</i> | |



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Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 52 **Filtrate:** 10.2 **Chlorides:** 7000 ppm



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Gas Volume Report

1st Open

2nd Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
|------|---------|-----|-------|