

Company, Inc

Lease: Bouziden Unit #1-10

SEC: 10 TWN: 32S RNG: 23W

County: CLARK State: Kansas

Drilling Contractor: Duke Drilling

Company, Inc - Rig 7 Elevation: 2214 GL Field Name: Wildcat Pool: WILDCAT Job Number: 59

DATE
September
12
2017

DST #1 Formation: Lans Test Interval: 4532 - Total Depth: 4590' 4590'

Time On: 23:40 09/12 Time Off: 09:28 09/13

Time On Bottom: 02:15 09/13 Time Off Bottom: 04:50 09/13





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| DATE |
|-----------|
| September |
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| DST #1 | Formation: Lans "A&B" | Test Interval: 4532 - 4590' | Total Depth: 4590' |
|--------|-----------------------|--------------------------------|--------------------|
| | | | |

Time On: 23:40 09/12 Time Off: 09:28 09/13

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Recovered

| <u>Foot</u> | BBLS | Description of Fluid | <u>Gas %</u> | <u>Oil %</u> | Water % | <u>Mud %</u> |
|-------------|---------|----------------------|--------------|--------------|---------|--------------|
| 250 | 3.5575 | SLMCGCO | 25 | 65 | 0 | 10 |
| 380 | 5.4074 | SLWCMCHOCG | 37 | 30 | 5 | 28 |
| 235 | 1.18413 | SLWCSLGCHMCO | 10 | 40 | 10 | 40 |

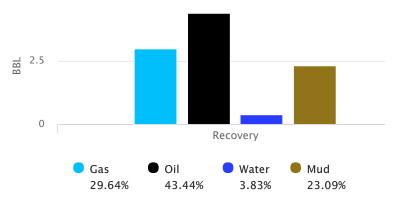
Total Recovered: 865 ft

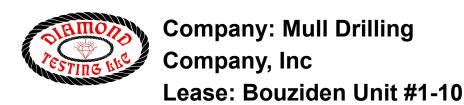
Total Barrels Recovered: 10.14903

| Reversed Out |
|--------------|
| NO |

| | | INO |
|------------------------------|------------|-----|
| | | |
| Initial Hydrostatic Pressure | 2183 | PSI |
| Initial Flow | 116 to 218 | PSI |
| Initial Closed in Pressure | 1503 | PSI |
| Final Flow Pressure | 212 to 297 | PSI |
| Final Closed in Pressure | 1445 | PSI |
| Final Hydrostatic Pressure | 2177 | PSI |
| Temperature | 120 | °F |
| | | |
| Pressure Change Initial | 3.9 | % |
| Close / Final Close | | |

Recovery at a glance





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"A&B" 4590'

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REMARKS:

5 min Initial Flow: BOB in 1 min. 50 secs. 30 min Initial Shut-in: No blow back.

60 min Final Flow: BOB in 10 secs. GTS in 13 mins.

60 min Final Shut-in: BB at 4.3 ins.

Ph: 7.0

RW: .24 @ 68 degrees F

Chlorides: 28,500 ppm



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5/8"

Bottom Choke:

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Time On Bottom: 02:15 09/13 Time Off Bottom: 04:50 09/13

Down Hole Makeup

Heads Up: 14.24 FT **Packer 1:** 4526.5 FT

Drill Pipe: 4286 FT Packer 2: 4532 FT

ID-3 1/2 Top Recorder: 4515.92 FT

Weight Pipe: FT Bottom Recorder: 4536 FT

ID-2 7/8

Collars: 232 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 29.24 FT *ID-3 1/2-FH*

Safety Joint

Total Anchor: 58

Anchor Makeup
Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): 32 FT

ID-3 1/2

Change Over: FT

Perforations: (below): 23 FT

4 1/2-FH



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4590

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Mud Properties

Mud Type: Chemical Weight: 8.9 Viscosity: 52 Filtrate: 11.6 Chlorides: 9,000 ppm



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Gas Volume Report

Remarks: GTS 13 mins. into 2nd flow period.

1st Open

2nd Open

| Time | Orifice | PSI | MCF/D |
|------|---------|-----|-------|
| 13 | 0.25 | 17 | 42.4 |
| 20 | 0.25 | 21 | 48.7 |
| 25 | 0.25 | 22 | 50.2 |
| 30 | 0.25 | 23 | 51.8 |
| 35 | 0.25 | 25 | 54.7 |
| 40 | 0.25 | 24 | 53.2 |
| 45 | 0.25 | 23 | 51.8 |
| 50 | 0.25 | 22 | 50.2 |
| 55 | 0.25 | 22 | 50.2 |
| 60 | 0.25 | 22 | 50.2 |

