



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.
 202 West Main Street
 Salem IL
 62881
 ATTN: Pat Deenihan

Pope 1-20

20-13-32w Logan Co K

Job Ticket: 43276

DST#: 2

Test Start: 2011.07.28 @ 19:26:15

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:41:45

Time Test Ended: 05:04:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4033.00 ft (KB) To 4058.00 ft (KB) (TVD)

Reference Elevations: 3039.00 ft (KB)

Total Depth: 4058.00 ft (KB) (TVD)

3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 105.62 psig @ 4053.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.28

End Date:

2011.07.29

Last Calib.:

2011.07.29

Start Time: 19:26:15

End Time:

05:04:30

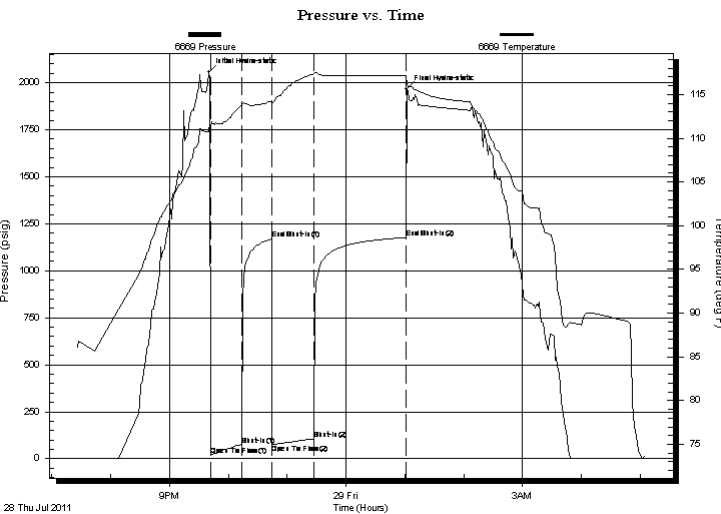
Time On Btm:

2011.07.28 @ 21:40:15

Time Off Btm:

2011.07.29 @ 01:02:00

TEST COMMENT: IF: Built to 2 1/2" blow
 IS: No return blow
 FF: Built to 5" blow
 FS: No return blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2055.22 | 111.08 | Initial Hydro-static |
| 2 | 17.46 | 111.26 | Open To Flow (1) |
| 33 | 74.12 | 113.75 | Shut-In(1) |
| 64 | 1168.75 | 114.25 | End Shut-In(1) |
| 65 | 75.91 | 113.94 | Open To Flow (2) |
| 107 | 105.62 | 117.38 | Shut-In(2) |
| 201 | 1176.96 | 117.21 | End Shut-In(2) |
| 202 | 1966.09 | 116.30 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 248.00 | sw | 2.35 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



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FLUID SUMMARY

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Pope 1-20

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Salem IL
62881
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20-13-32w Logan Co K

Job Ticket: 43276 **DST#: 2**
Test Start: 2011.07.28 @ 19:26:15

Mud and Cushion Information

| | | |
|----------------------------------|----------------------------|---------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 0 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 26000 ppm |
| Viscosity: 55.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 9.57 in ³ | Gas Cushion Type: | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 5000.00 ppm | | |
| Filter Cake: 1.00 inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 248.00 | sw | 2.349 |

Total Length: 248.00 ft Total Volume: 2.349 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .289@738=26,000 ppm

