



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC  
PO Box 20380  
Wichita, KS. 67208  
ATTN: Bryan Bynog

**Newby #1-21**  
**21-18s-31w-Scott**  
Job Ticket: 40209 **DST#: 4**  
Test Start: 2010.09.06 @ 14:35:00

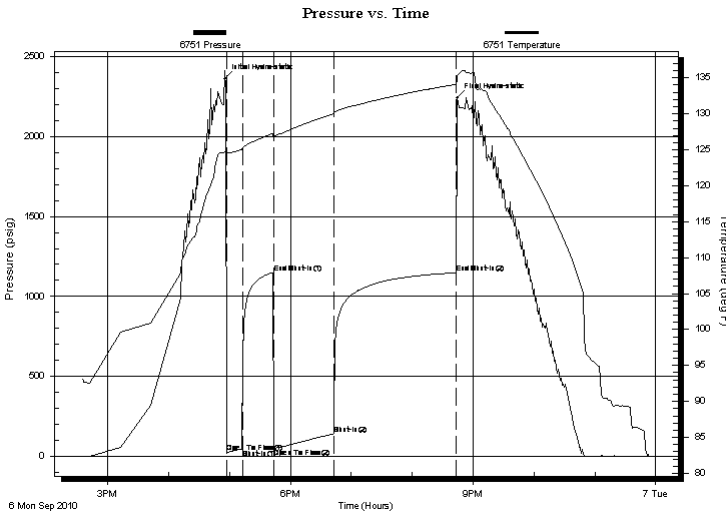
## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 16:56:50  
Time Test Ended: 23:54:49  
Interval: **4613.00 ft (KB) To 4625.00 ft (KB) (TVD)**  
Total Depth: 4625.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Chuck Smith  
Unit No: 37  
Reference Elevations: 2945.00 ft (KB)  
2932.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 6751 Outside**  
Press @ Run Depth: 142.06 psig @ 4614.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2010.09.06 End Date: 2010.09.06 Last Calib.: 2010.09.07  
Start Time: 14:35:05 End Time: 23:54:50 Time On Btm: 2010.09.06 @ 16:55:20  
Time Off Btm: 2010.09.06 @ 20:44:30

**TEST COMMENT:** IF: 2 1/2" Blow.  
IS: No return.  
FF: 5" blow.  
FS: No return.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2360.79         | 124.66       | Initial Hydro-static |
| 2           | 24.89           | 123.91       | Open To Flow (1)     |
| 18          | 46.53           | 125.08       | Shut-In(1)           |
| 48          | 1149.65         | 127.31       | End Shut-In(1)       |
| 48          | 52.79           | 126.72       | Open To Flow (2)     |
| 108         | 142.06          | 130.00       | Shut-In(2)           |
| 229         | 1148.65         | 134.11       | End Shut-In(2)       |
| 230         | 2242.27         | 135.30       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                        | Volume (bbl) |
|-------------|------------------------------------|--------------|
| 90.00       | OSMW 15%M 85%W                     | 0.44         |
| 180.00      | MW 5%M 95%W                        | 0.89         |
| 30.00       | MW 40%M 60%W                       | 0.15         |
| 0.00        | RW: .330 @ 64 Degrees F = 22000PPM | 0.00         |
|             |                                    |              |
|             |                                    |              |

## Gas Rates

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



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**FLUID SUMMARY**

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**Newby #1-21**

PO Box 20380  
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**21-18s-31w-Scott**

Job Ticket: 40209

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2010.09.06 @ 14:35:00

## 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:

22000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description                        | Volume<br>bbf |
|--------------|------------------------------------|---------------|
| 90.00        | OSMW 15%M 85%W                     | 0.443         |
| 180.00       | MW 5%M 95%W                        | 0.885         |
| 30.00        | MW 40%M 60%W                       | 0.148         |
| 0.00         | RW: .330 @ 64 Degrees F = 22000PPM | 0.000         |

Total Length: 300.00 ft

Total Volume: 1.476 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

