



**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: 39049 **DST#: 2**  
 Test Start: 2010.09.03 @ 15:12:45

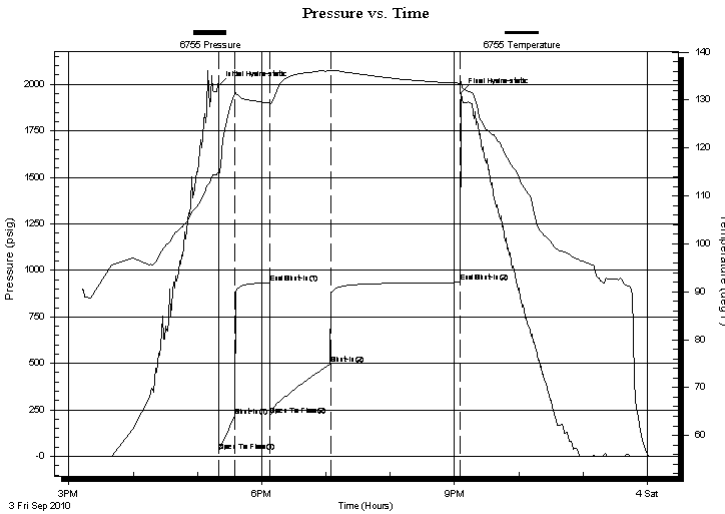
## GENERAL INFORMATION:

Formation: **"J"**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **17:20:00** Tester: **Jason McLemore**  
 Time Test Ended: **00:02:30** Unit No: **32**  
**Interval: 4144.00 ft (KB) To 4168.00 ft (KB) (TVD)** Reference Elevations: **2945.00 ft (KB)**  
 Total Depth: **4168.00 ft (KB) (TVD)** **2932.00 ft (CF)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Good** KB to GR/CF: **13.00 ft**

**Serial #: 6755** **Inside**  
 Press @ Run Depth: **497.42 psig @ 4147.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2010.09.03** End Date: **2010.09.04** Last Calib.: **2010.09.04**  
 Start Time: **15:12:47** End Time: **00:02:30** Time On Btm: **2010.09.03 @ 17:19:30**  
 Time Off Btm: **2010.09.03 @ 21:06:00**

**TEST COMMENT:** IFP-Good Blow ,BOB in 8 Min.  
 ISI-Dead  
 FFP-Good Blow ,BOB in 10 Min.  
 FSI-Surface Blow back For 10 Min.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1995.83         | 114.92       | Initial Hydro-static |
| 1           | 26.26           | 114.29       | Open To Flow (1)     |
| 16          | 216.69          | 131.13       | Shut-In(1)           |
| 48          | 934.02          | 129.39       | End Shut-In(1)       |
| 48          | 220.70          | 128.92       | Open To Flow (2)     |
| 105         | 497.42          | 136.09       | Shut-In(2)           |
| 226         | 935.10          | 133.54       | End Shut-In(2)       |
| 227         | 1954.96         | 133.85       | Final Hydro-static   |

## Recovery

| Length (ft) | Description           | Volume (bbl) |
|-------------|-----------------------|--------------|
| 900.00      | V SOC MW-2%O-93%W-5%M | 7.32         |
| 180.00      | OC MW-20%O-75%W-5%M   | 2.52         |
|             |                       |              |
|             |                       |              |
|             |                       |              |

## 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: 39049

**DST#: 2**

ATTN: Bryan Bynog

Test Start: 2010.09.03 @ 15:12:45

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 900.00       | VSOCMW-2%O-93%W-5%M | 7.323         |
| 180.00       | OCMW-20%O-75%W-5%M  | 2.525         |

Total Length: 1080.00 ft

Total Volume: 9.848 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

