



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 Po Box 2786
 Wichita Kansas 67201
 ATTN: Seth Evenson

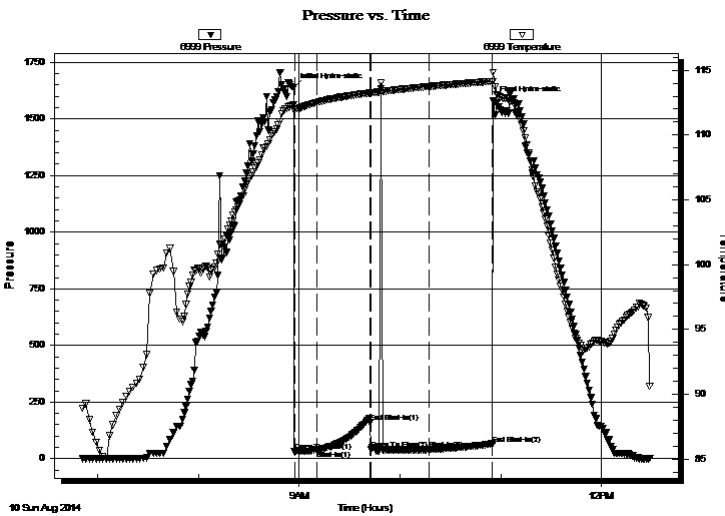
22-18s-9w-Rice
Bronleewe 1-22
 Job Ticket: 60306 **DST#: 1**
 Test Start: 2014.08.10 @ 06:50:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:57:00
 Time Test Ended: 12:29:00
 Interval: **3212.00 ft (KB) To 3250.00 ft (KB) (TVD)**
 Total Depth: 3250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-90
 Reference Elevations: 1725.00 ft (KB)
 1720.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6999 Inside
 Press@RunDepth: 40.22 psig @ 3245.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.08.10 End Date: 2014.08.10 Last Calib.: 2014.08.11
 Start Time: 06:51:00 End Time: 12:29:00 Time On Btm: 2014.08.10 @ 08:56:30
 Time Off Btm: 2014.08.10 @ 10:55:30

TEST COMMENT: 1st Open 15 minutes Dead
 1st Shut in 30 minutes No blow back.
 2nd Open 30 minutes Dead Flushed tool w eak surface blow died off after 15 minutes.
 2nd Shut in 30 minutes No blow back.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1637.61 | 112.32 | Initial Hydro-static |
| 1 | 31.18 | 111.93 | Open To Flow (1) |
| 14 | 35.70 | 112.52 | Shut-In(1) |
| 46 | 159.33 | 113.24 | End Shut-In(1) |
| 46 | 43.39 | 113.24 | Open To Flow (2) |
| 81 | 40.22 | 113.74 | Shut-In(2) |
| 119 | 65.54 | 114.14 | End Shut-In(2) |
| 119 | 1579.07 | 114.83 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 2.00 | Mud 100% | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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FLUID SUMMARY

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Po Box 2786
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Bronleewe 1-22

Job Ticket: 60306

DST#: 1

ATTN: Seth Evenson

Test Start: 2014.08.10 @ 06:50:00

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:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.50 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 2.00 | Mud 100% | 0.010 |

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

