



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Darrah Oil Company  
 225 N. Market  
 Suite 300  
 Wichita, KS. 67202  
 ATTN: Seth Evenson

**Bitter C #10**  
**18-16s-13w-Barton**  
 Job Ticket: 42831      **DST#: 2**  
 Test Start: 2011.03.21 @ 13:57:16

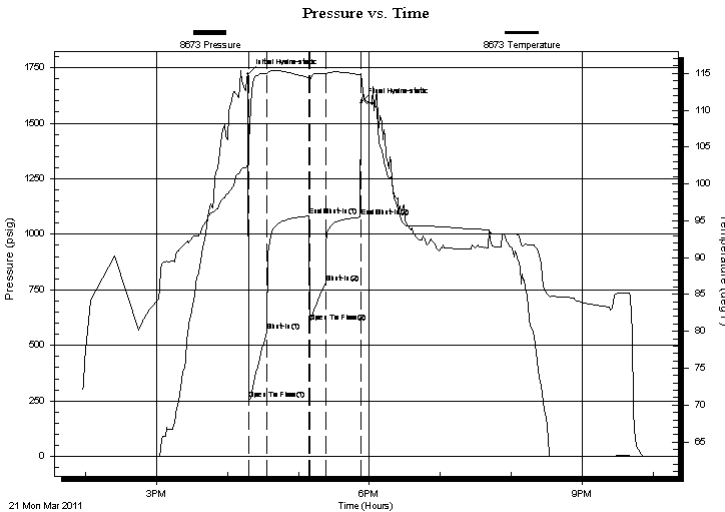
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 16:18:01      Tester: Jason McLemore  
 Time Test Ended: 21:57:31      Unit No: 54  
 Interval: **3360.00 ft (KB) To 3374.00 ft (KB) (TVD)**      Reference Elevations: 1946.00 ft (KB)  
 Total Depth: 3374.00 ft (KB) (TVD)      1941.00 ft (CF)  
 Hole Diameter: 7.80 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 8673      Inside**  
 Press @ Run Depth: 781.70 psig @ 3362.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.03.21      End Date: 2011.03.21      Last Calib.: 2011.03.21  
 Start Time: 13:57:18      End Time: 21:57:31      Time On Btm: 2011.03.21 @ 16:17:31  
 Time Off Btm: 2011.03.21 @ 17:53:01

**TEST COMMENT:** IFP-Strong, BOB in 45 Sec.  
 ISI-Blow back Built to 3"  
 FFP-Strong, BOB in 45 Sec.  
 FSI-Blow back Built to 1/2"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.64	102.65	Initial Hydro-static
1	259.32	103.58	Open To Flow (1)
16	564.57	115.01	Shut-In(1)
52	1081.94	114.41	End Shut-In(1)
52	604.73	114.01	Open To Flow (2)
66	781.70	114.91	Shut-In(2)
95	1076.57	114.79	End Shut-In(2)
96	1592.27	115.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Frothy Muddy Oil	0.44
2021.00	Free Oil	26.96

## Gas Rates

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



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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Frothy Muddy Oil	0.443
2021.00	Free Oil	26.956

Total Length: 2111.00 ft

Total Volume: 27.399 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

