



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Strata  
PO Box 401  
Fairfield, IL  
62837  
ATTN: Jon Christensen

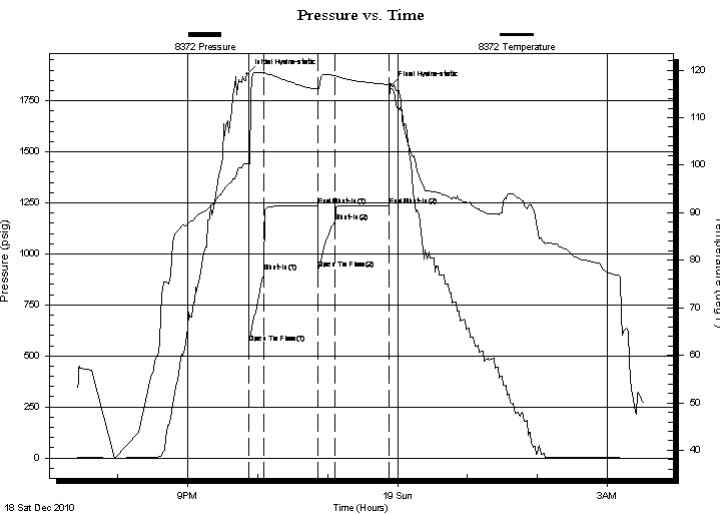
**Carr 1-27**  
**27-21-16/Pawnee**  
Job Ticket: 41405 **DST#: 2**  
Test Start: 2010.12.18 @ 19:25:38

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 21:52:33  
Time Test Ended: 03:32:32  
Test Type: Conventional Bottom Hole  
Tester: Brian Fairbank  
Unit No: 41  
Interval: **3756.00 ft (KB) To 3859.00 ft (KB) (TVD)**  
Reference Elevations: 2000.00 ft (KB)  
Total Depth: 3859.00 ft (KB) (TVD) 1987.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 13.00 ft

**Serial #: 8372 Inside**  
Press @ Run Depth: 1157.47 psig @ 3766.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2010.12.18 End Date: 2010.12.19 Last Calib.: 2010.12.19  
Start Time: 19:25:38 End Time: 03:32:32 Time On Btm: 2010.12.18 @ 21:51:33  
Time Off Btm: 2010.12.18 @ 23:54:32

**TEST COMMENT:** IFP - BOB 20 sec  
ISI - sur blow back - died 10 min  
FFP - BOB 40 sec  
FSI - no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.58	100.29	Initial Hydro-static
1	562.81	99.78	Open To Flow (1)
14	909.00	119.36	Shut-In(1)
60	1236.90	115.98	End Shut-In(1)
61	926.04	115.80	Open To Flow (2)
75	1157.47	118.88	Shut-In(2)
121	1237.16	116.97	End Shut-In(2)
123	1826.22	116.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
430.00	MW 95%W, 5%M	4.17
250.00	SM & OCW 5%O, 90%W, 5%M	3.66
680.00	GMOCW 10%G, 20%O, 65%W, 5%M	9.94
250.00	W & OCM 10%O, 5%W, 85%M	3.66
820.00	VSOCM 2%O, 98%M	11.99

## 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	75000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7200.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	MW 95%W, 5%M	4.172
250.00	SM & OCW 5%O, 90%W, 5%M	3.656
680.00	GMOCW 10%G, 20%O, 65%W, 5%M	9.944
250.00	W & OCM 10%O, 5%W, 85%M	3.656
820.00	VSOCM 2%O, 98%M	11.992

Total Length: 2430.00 ft      Total Volume: 33.420 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

