

**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Red Oak Energy Inc  
7701 E Kellogg Dr Ste 710  
Wichita, Ks  
67207-1738  
ATTN: Pat Deenihan

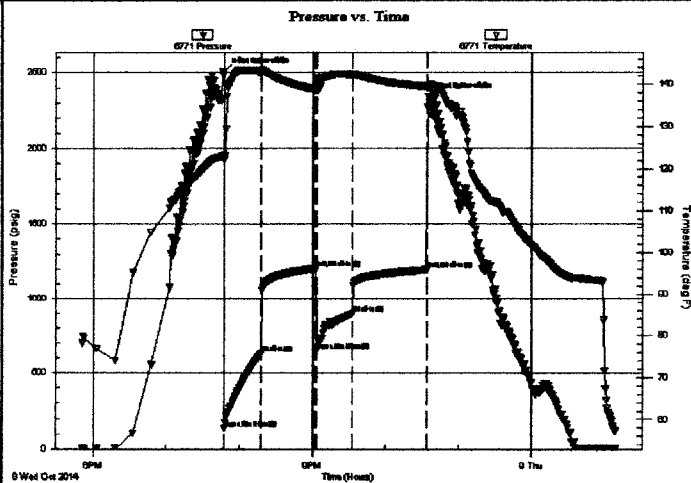
36-8s-35w Thomas, Ks  
**Dawes #1-36**  
Job Ticket: 59087      DST#: 2  
Test Start: 2014.10.08 @ 17:51:03

### GENERAL INFORMATION:

Formation: **Cherokee Lime, Johns**  
Deviated: **No Whipstock: 0.00 ft (KB)**  
Time Tool Opened: 19:47:48  
Time Test Ended: 01:09:03  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Shane McBride**  
Unit No: **55**  
Interval: **4607.00 ft (KB) To 4680.00 ft (KB) (TVD)**  
Reference Elevations: **3297.00 ft (KB)**  
Total Depth: **4680.00 ft (KB) (TVD)**  
**3286.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
KB to GR/CF: **11.00 ft**

**Serial #: 6771**      **Inside**  
Press@RunDepth: **898.00 psig @ 4608.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2014.10.08**      End Date: **2014.10.09**      Last Calib.: **2014.10.09**  
Start Time: **17:51:03**      End Time: **01:09:03**      Time On Btm: **2014.10.08 @ 19:47:33**  
Time Off Btm: **2014.10.08 @ 22:35:03**

TEST COMMENT: B.O.B. in 2 1/2 min  
No return  
B.O.B. in 5 1/2 min.  
No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2510.33	123.26	Initial Hydro-static
1	133.34	122.05	Open To Flow (1)
31	632.90	143.04	Shut-in(1)
75	1202.66	138.75	End Shut-in(1)
76	654.03	138.47	Open To Flow (2)
106	898.00	142.31	Shut-in(2)
166	1194.67	139.42	End Shut-in(2)
168	2340.47	139.54	Final Hydro-static

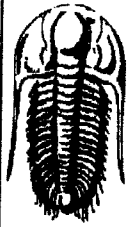
### Recovery

Length (ft)	Description	Volume (bbl)
1364.00	water 100%w	16.98
186.00	s mc w 15% m 85% w	2.61
263.00	mc w 35% m 65% w	3.69

### Gas Rates

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

\* Recovery from multiple tests



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36-8s-35w Thomas, Ks  
**Dawes #1-36**  
Job Ticket: 59088      DST#: 3  
Test Start: 2014.10.10 @ 06:45:16

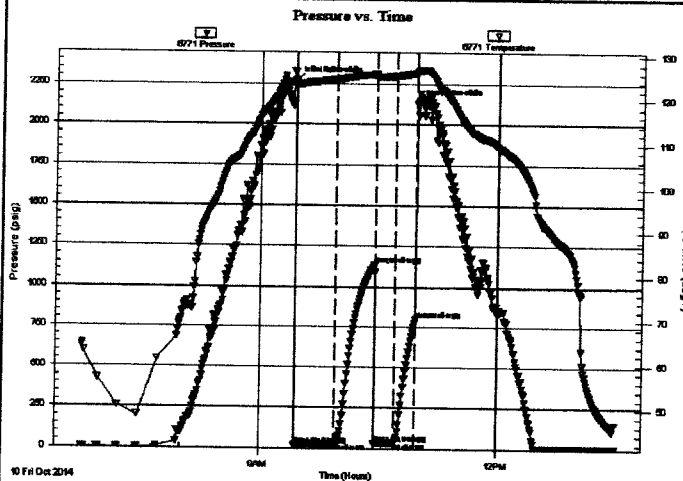
### GENERAL INFORMATION:

Formation: J  
Deviated: No      Whipstock: 0.00 ft (KB)  
Time Tool Opened: 09:26:46  
Time Test Ended: 13:29:46  
Interval: 4302.00 ft (KB) To 4342.00 ft (KB) (TVD)  
Total Depth: 4849.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Straddle (Reset)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 3297.00 ft (KB)  
3286.00 ft (CF)  
KB to GR/CF: 11.00 ft

Serial #: 6771      Inside  
Press@RunDepth: 33.86 psig @ 4303.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.10.10      End Date: 2014.10.10      Last Calib.: 2014.10.10  
Start Time: 06:45:16      End Time: 13:29:46      Time On Btm: 2014.10.10 @ 09:26:31  
Time Off Btm: 2014.10.10 @ 10:58:46

TEST COMMENT: 1" in blow died back to a surface blow  
No return  
No blow  
No return

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2273.89	124.46	Initial Hydro-static
1	22.97	123.70	Open To Flow (1)
31	29.58	124.71	Shut-In(1)
61	1137.44	125.92	End Shut-In(1)
61	31.86	125.50	Open To Flow (2)
76	33.86	125.54	Shut-In(2)
92	794.80	126.13	End Shut-In(2)
93	2133.28	126.78	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100% m	0.07

\* Recovery from multiple tests

### Gas Rates

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

### Pressure vs. Time

