

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raney Oil Co LLC
3425 Tam O'Shanter
Lawrence KS 66047-1729
ATTN: Duane Stecklein

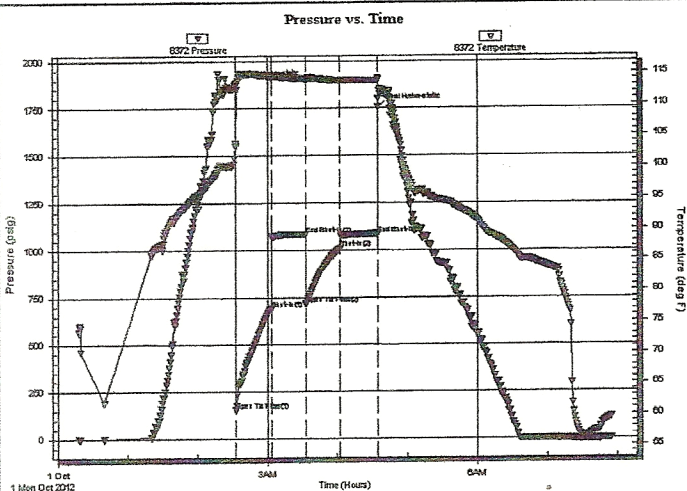
2 10s 21w Graham
Vera White # 10
Job Ticket: 49319 **DST#: 2**
Test Start: 2012.10.01 @ 00:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: 2239.00 ft (KB)
Time Tool Opened: 02:32:50
Time Test Ended: 07:55:00
Interval: **3810.00 ft (KB) To 3814.00 ft (KB) (TVD)**
Total Depth: 3814.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaly
Unit No: 39
Reference Elevations: 2239.00 ft (KB)
2234.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8372 **Inside**
Press@RunDepth: 1009.17 psig @ 3811.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.01 End Date: 2012.10.01 Last Calib.: 2012.10.01
Start Time: 00:18:05 End Time: 07:54:39 Time On Btm: 2012.10.01 @ 02:32:40
Time Off Btm: 2012.10.01 @ 04:34:10

TEST COMMENT: 30-IFP- BOB in 1min 15sec
30-ISIP- Surface Blow in 3min
30-FFP- BOB in 1min 30sec
30-FSIP- Surface Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.00	103.62	Initial Hydro-static
1	152.56	103.17	Open To Flow (1)
31	687.34	114.37	Shut-In(1)
60	1085.61	113.99	End Shut-In(1)
61	711.75	113.77	Open To Flow (2)
90	1009.17	113.76	Shut-In(2)
122	1086.79	113.71	End Shut-In(2)
122	1754.30	114.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1287.00	MCW 2% _m 98% _w	15.35
315.00	O&MCW 2% _o 5% _m 93% _o	4.42
169.00	M&OCW 10% _m 30% _o 60% _w	2.37
504.00	WCO 10% _w 90% _o	7.07
55.00	M&WCO 5% _m 20% _w 75% _o	0.77

* Recovery from multiple tests

Gas Rates

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