



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raney Oil Company, LLC

23-10s-20w Rooks,KS

4685 Bauer Brook Ct.
Lawrence, KS 66049

Rogers #4

Job Ticket: 58754

DST#: 1

ATTN: Duane Stecklein

Test Start: 2014.04.09 @ 02:40:34

GENERAL INFORMATION:

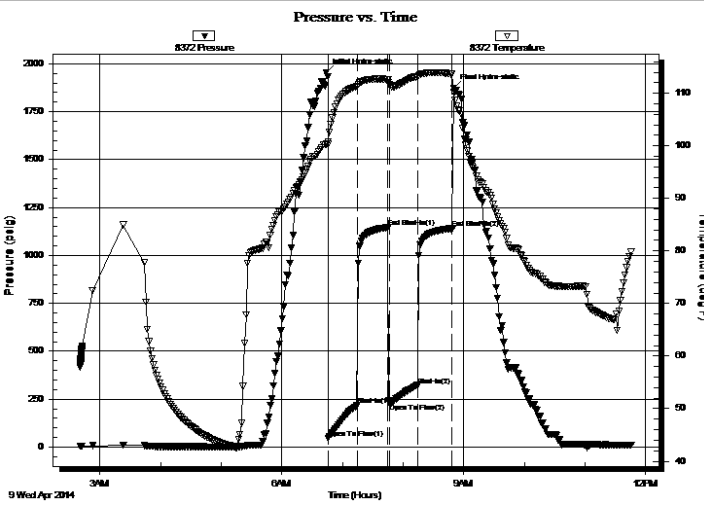
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:46:04
 Time Test Ended: 11:46:04
 Interval: **3788.00 ft (KB) To 3803.00 ft (KB) (TVD)**
 Total Depth: 3803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan L
 Unit No: 48
 Reference Elevations: 2232.00 ft (KB)
 2225.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8372

Inside

Press@RunDepth: 322.27 psig @ 3804.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.09 End Date: 2014.04.09 Last Calib.: 2014.04.09
 Start Time: 02:40:35 End Time: 11:46:04 Time On Btm: 2014.04.09 @ 06:44:04
 Time Off Btm: 2014.04.09 @ 08:50:04

TEST COMMENT: 30- IF- BOB 6 mins
 30- IS- Weak surface blow
 30- FF- BOB 8 mins
 30- FS- Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.91	100.31	Initial Hydro-static
2	46.40	100.75	Open To Flow (1)
31	216.75	111.33	Shut-In(1)
61	1145.96	112.57	End Shut-In(1)
63	227.03	111.67	Open To Flow (2)
90	322.27	113.04	Shut-In(2)
124	1140.05	113.62	End Shut-In(2)
126	1872.56	110.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
850.00	GO, 10%G 90%O	8.67
0.00	100' GIP	0.00

Gas Rates

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