



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil
 PO Box 8050
 Edmond, Ok 73083
 ATTN: Kitt Noah

32-15-14 Russell, Ks
Steinle 2-32
 Job Ticket: 45163 **DST#: 5**
 Test Start: 2011.10.11 @ 23:50:59

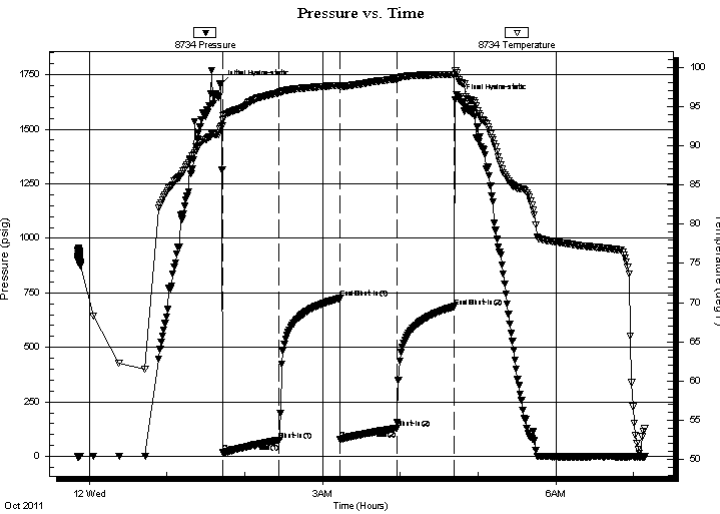
GENERAL INFORMATION:

Formation: **Arbuckle (2)**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:42:59
 Time Test Ended: 07:08:59
 Interval: **3399.00 ft (KB) To 3406.00 ft (KB) (TVD)**
 Total Depth: 3406.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 1931.00 ft (KB)
 1924.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 128.53 psig @ 3400.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.11 End Date: 2011.10.12 Last Calib.: 2011.10.12
 Start Time: 23:51:00 End Time: 07:08:59 Time On Btm: 2011.10.12 @ 01:40:59
 Time Off Btm: 2011.10.12 @ 04:44:59

TEST COMMENT: IFP - BOB 11 min
 ISI - 1/4" blow back - died 19 min
 FFP - BOB 21 min
 FSI - sur blow back - died 14 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.54	92.18	Initial Hydro-static
2	16.97	93.26	Open To Flow (1)
46	74.31	96.73	Shut-In(1)
92	724.20	97.70	End Shut-In(1)
93	78.32	97.53	Open To Flow (2)
136	128.53	98.52	Shut-In(2)
181	686.91	99.07	End Shut-In(2)
184	1640.56	98.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOCM 5%O, 95%M	0.56
275.00	FREE OIL 95%O, 5%M	3.86

* Recovery from multiple tests

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: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.18 in ³	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
40.00	SOCM 5%O, 95%M	0.561
275.00	FREE OIL 95%O, 5%M	3.858

Total Length: 315.00 ft Total Volume: 4.419 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8734

Outside Russell Oil

Steinle 2-32

DST Test Number: 5

