



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Russell Oil
 Po Box 8050
 Edmond Ok 73083
 ATTN: Kitt Noah

16-16s-14w-Barton
Charles 1-16
 Job Ticket: 62120 **DST#: 4**
 Test Start: 2015.02.17 @ 03:56:00

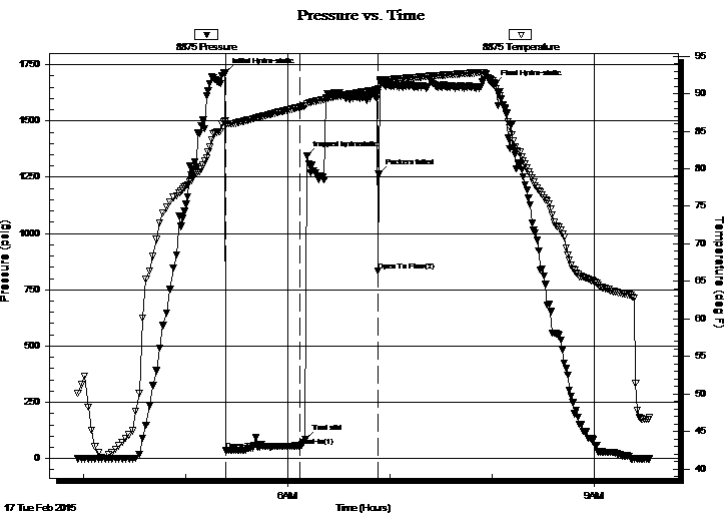
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:24:00
 Time Test Ended: 09:33:00
 Interval: **3397.00 ft (KB) To 3440.00 ft (KB) (TVD)**
 Total Depth: 3440.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59-Great Bend-50
 Reference Elevations: 1954.00 ft (KB)
 1945.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8875 Outside

Press@RunDepth: psig @ 3435.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.02.17 End Date: 2015.02.17 Last Calib.: 2015.02.17
 Start Time: 03:57:00 End Time: 09:33:00 Time On Btm: 2015.02.17 @ 05:23:30
 Time Off Btm: 2015.02.17 @ 08:01:30

TEST COMMENT: 1st Open 45 min Weak building blow built to 1 inch.
 1st Shut in 45 min No blow back
 2nd Open 30 min Dead
 2nd Shut in 30 min No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.69	86.32	Initial Hydro-static
1	36.77	85.87	Open To Flow (1)
44	56.41	88.21	Shut-In(1)
47	85.33	88.38	Tool slid
48	1345.08	88.70	trapped hydrostatic
90	834.38	90.10	Open To Flow (2)
90	1263.67	90.71	Packers failed
158	1661.01	91.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Oil cut mud 98%Mud 2%Oil	0.88
141.00	Slightly oil cut mud 100% mud	1.98

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:	ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 91.90 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Oil cut mud 98%Mud 2%Oil	0.884
141.00	Slightly oil cut mud 100% mud	1.978

Total Length: 204.00 ft Total Volume: 2.862 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8875

Outside Russell Oil

Charles 1-16

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 62120

Printed: 2015.02.17 @ 22:19:41