



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

31-15-14 Russell, Ks
Betty Radke "A" 1R
 Job Ticket: 47131 **DST#: 2**
 Test Start: 2012.05.27 @ 07:40:04

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:07:04
 Time Test Ended: 14:08:34
 Interval: **3094.00 ft (KB) To 3156.00 ft (KB) (TVD)**
 Total Depth: 3156.00 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: 1916.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 9.00 ft

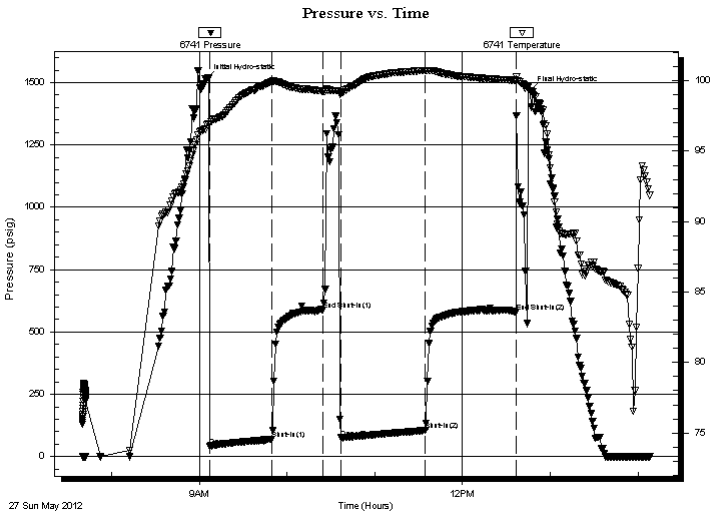
Serial #: 6741

Outside

Press @ Run Depth: 105.41 psig @ 3100.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.27 End Date: 2012.05.27 Last Calib.: 2012.05.27
 Start Time: 07:40:05 End Time: 14:08:34 Time On Btm: 2012.05.27 @ 09:05:04
 Time Off Btm: 2012.05.27 @ 12:46:04

TEST COMMENT: IFP - weak to good blow sur - 6 1/2"
 ISI - no blow back
 FFP - weak to good blow sur - 6 1/2"
 FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1514.98	96.87	Initial Hydro-static
2	42.07	96.94	Open To Flow (1)
45	70.49	99.95	Shut-In(1)
80	588.86	99.28	End Shut-In(1)
92	75.67	99.09	Open To Flow (2)
150	105.41	100.73	Shut-In(2)
212	578.91	100.04	End Shut-In(2)
221	1469.16	99.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 95%W, 5%M	1.68
30.00	WM 45%W, 55%M	0.42

* 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	32000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 95%W, 5%M	1.683
30.00	WM 45%W, 55%M	0.421

Total Length: 150.00 ft Total Volume: 2.104 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

