



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

Steinle #2-32
32-15-14 Russell, Ks
 Job Ticket: 45160 **DST#: 2**
 Test Start: 2011.10.09 @ 17:24:33

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:16:33
 Time Test Ended: 00:29:03
 Interval: **3202.00 ft (KB) To 3235.00 ft (KB) (TVD)**
 Total Depth: 3235.00 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

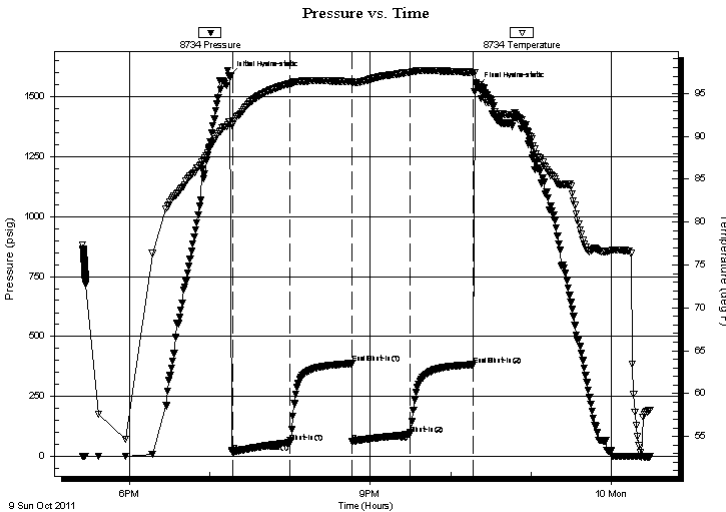
Serial #: 8734

Outside

Press @ Run Depth: 91.49 psig @ 3207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.09 End Date: 2011.10.10 Last Calib.: 2011.10.10
 Start Time: 17:24:34 End Time: 00:29:03 Time On Btm: 2011.10.09 @ 19:14:33
 Time Off Btm: 2011.10.09 @ 22:20:03

TEST COMMENT: IFP - BOB 4 min
 ISI - 1/4" blow back - died 32 min
 FFP - BOB 11 min
 FSI - 2" blow back - died 33 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.96	91.70	Initial Hydro-static
2	17.62	91.36	Open To Flow (1)
45	56.73	96.14	Shut-In(1)
92	387.14	96.40	End Shut-In(1)
92	60.03	96.28	Open To Flow (2)
135	91.49	97.45	Shut-In(2)
183	380.53	97.45	End Shut-In(2)
186	1542.97	96.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD 100%	0.07
120.00	GMM 5%G, 80%W, 15%M	1.68
45.00	GO & WCM 20%G, 15%O, 15%W, 50%M	0.63
0.00	605' GIP	0.00

* 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:	70000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD 100%	0.070
120.00	GMW 5%G, 80%W, 15%M	1.683
45.00	GO & WCM 20%G, 15%O, 15%W, 50%M	0.631
0.00	605' GIP	0.000

Total Length: 170.00 ft Total Volume: 2.384 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

