



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mikol Oil LLC
 1407 Washington Ave.
 Hays, Ks 67601
 ATTN: Bob Stolzle

27-10-16 Rooks, Ks
Haberer 1-27
 Job Ticket: 44736 **DST#: 1**
 Test Start: 2011.11.28 @ 03:27:58

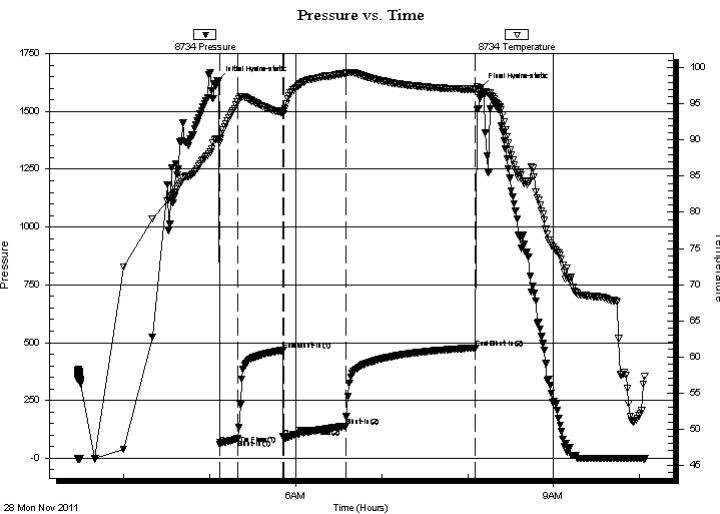
GENERAL INFORMATION:

Formation: **LKC "B-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:06:58
 Time Test Ended: 10:03:28
 Interval: **3256.00 ft (KB) To 3348.00 ft (KB) (TVD)**
 Total Depth: 3348.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brian Fairbank
 Unit No: 41
 Reference Elevations: 2049.00 ft (KB)
 2042.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8734 Outside

Press @ Run Depth: 137.04 psig @ 3262.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.11.28 End Date: 2011.11.28 Last Calib.: 2011.11.28
 Start Time: 03:27:59 End Time: 10:03:28 Time On Btm: 2011.11.28 @ 05:05:58
 Time Off Btm: 2011.11.28 @ 08:09:28

TEST COMMENT: IFP - BOB 4 1/2 min
 ISI - sur blow back - died 7 min
 FFP - BOB 4 min
 FSI - BOB 14 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.65	90.14	Initial Hydro-static
1	59.19	89.66	Open To Flow (1)
14	84.03	95.26	Shut-In(1)
45	466.23	93.80	End Shut-In(1)
46	88.62	94.06	Open To Flow (2)
89	137.04	99.24	Shut-In(2)
180	477.45	97.04	End Shut-In(2)
184	1602.12	96.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SGOCM 55%G, 20%O, 26%M	0.07
45.00	GOCM 25%, 30%O, 45%M	0.49
75.00	GHOCM 5%G, 40%O, 55%M	1.05
105.00	FREE OIL 95%O, 5%M	1.47
0.00	1055 GIP	0.00

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: 43 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 76.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SGOCM 55%G, 20%O, 26%M	0.074
45.00	GOCM 25%, 30%O, 45%M	0.485
75.00	GHOCM 5%G, 40%O, 55%M	1.052
105.00	FREE OIL 95%O, 5%M	1.473
0.00	1055 GIP	0.000

Total Length: 240.00 ft Total Volume: 3.084 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

