



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mikol Oil LLC  
 1407 Washington Cir.  
 Hays KS, 67601  
 ATTN: Bob Stozle

**27-10s-16w Rooks KS**  
**Haberer**  
 Job Ticket: 47187      **DST#: 1**  
 Test Start: 2012.05.27 @ 22:19:00

## GENERAL INFORMATION:

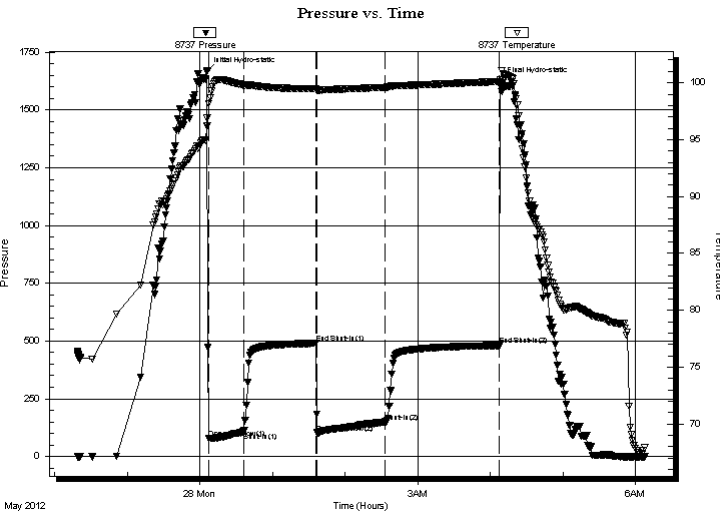
Formation: **"C-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:07:30  
 Time Test Ended: 06:07:30  
**Interval: 3312.00 ft (KB) To 3385.00 ft (KB) (TVD)**  
 Total Depth: 3385.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cody Bloedorn  
 Unit No: 44  
 Reference Elevations: 2085.00 ft (KB)  
 2078.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8737

## Outside

Press @ Run Depth: 148.85 psig @ 3382.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.05.27      End Date: 2012.05.28      Last Calib.: 2012.05.28  
 Start Time: 22:19:01      End Time: 06:07:30      Time On Btm: 2012.05.28 @ 00:06:00  
 Time Off Btm: 2012.05.28 @ 04:08:00

**TEST COMMENT:** 30 - IF- B.O.B. in 12 Min  
 60 - IS- No blow back  
 60 - FF- B.O.B. in 12 Min.  
 90 - FS- No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.87	96.88	Initial Hydro-static
2	77.89	98.19	Open To Flow (1)
30	106.75	99.79	Shut-In(1)
90	490.18	99.49	End Shut-In(1)
91	102.55	99.38	Open To Flow (2)
147	148.85	99.60	Shut-In(2)
242	480.90	100.11	End Shut-In(2)
242	1623.35	100.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM, 20%O, 30%G, 60%M	0.59
124.00	GHOCM, 10%M, 40%O, 50%G	1.74
45.00	GMCO, 10%G, 40%M, 50%O	0.63
0.00	186' of G.I.P.	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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM, 20%O, 30%G, 60%M	0.587
124.00	GHOCM, 10%M, 40%O, 50%G	1.739
45.00	GMCO, 10%G, 40%M, 50%O	0.631
0.00	186' of G.I.P.	0.000

Total Length: 231.00 ft      Total Volume: 2.957 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

