



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mikol Oil LLC

1407 Washington Cir
Hays KS, 67601

ATTN: Marc Downing

14-12s-17w Ellis KS

Miller 1-14

Job Ticket: 59373

DST#: 3

Test Start: 2014.10.22 @ 19:35:00

GENERAL INFORMATION:

Formation: **LKC "J-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:52:45

Time Test Ended: 02:42:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3570.00 ft (KB) To 3620.00 ft (KB) (TVD)

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2147.00 ft (KB)

2139.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Press@RunDepth: 77.68 psig @ 3607.00 ft (KB)

Start Date: 2014.10.22

End Date:

2014.10.23

Start Time: 19:35:05

End Time:

02:41:59

Capacity: 8000.00 psig

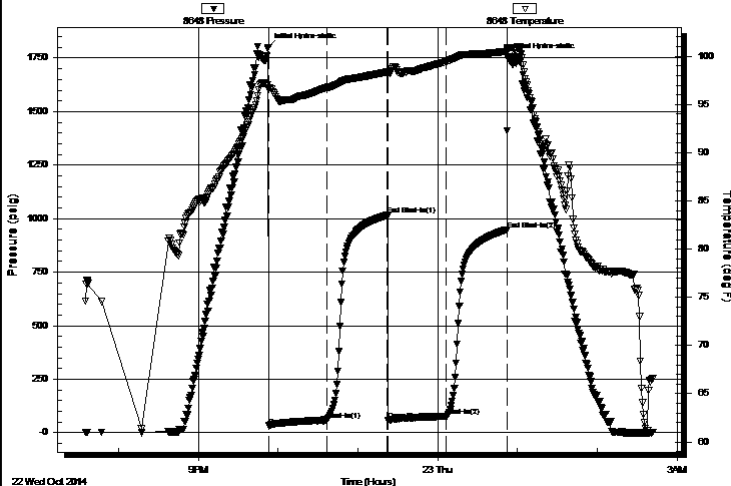
Last Calib.: 2014.10.23

Time On Btm: 2014.10.22 @ 21:52:30

Time Off Btm: 2014.10.23 @ 00:52:30

TEST COMMENT: 45 - IF- B.O.B. in 42 minutes
45 - IS- Surface return
45 - FF- 8" blow
45 - FS- Surface return, died in 18 minutes

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.51	97.08	Initial Hydro-static
1	31.88	96.56	Open To Flow (1)
44	60.07	96.76	Shut-In(1)
90	1016.35	98.37	End Shut-In(1)
91	56.26	98.11	Open To Flow (2)
134	77.68	99.43	Shut-In(2)
180	948.71	100.51	End Shut-In(2)
180	1753.97	100.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GHMCO, 20%M, 30%G, 50%O	1.47
0.00	248' of G.I.P.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 59373

DST#: 3

ATTN: Marc Downing

Test Start: 2014.10.22 @ 19:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.50 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GHMCO, 20%M, 30%G, 50%O	1.466
0.00	248' of G.I.P.	0.000

Total Length: 124.00 ft

Total Volume: 1.466 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8648

Inside

Mkol Oil LLC

Miller 1-14

DST Test Number: 3

Pressure vs. Time

