

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: 59371

DST#: 1

Test Start: 2014.10.21 @ 10:59:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:21:15

Time Test Ended: 17:57:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3405.00 ft (KB) To 3445.00 ft (KB) (TVD)

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3445.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8648 Inside

Press@RunDepth: 52.33 psig @ 3442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.21

End Date:

2014.10.21

Last Calib.: 2014.10.21

Start Time: 10:59:05

End Time:

17:57:14

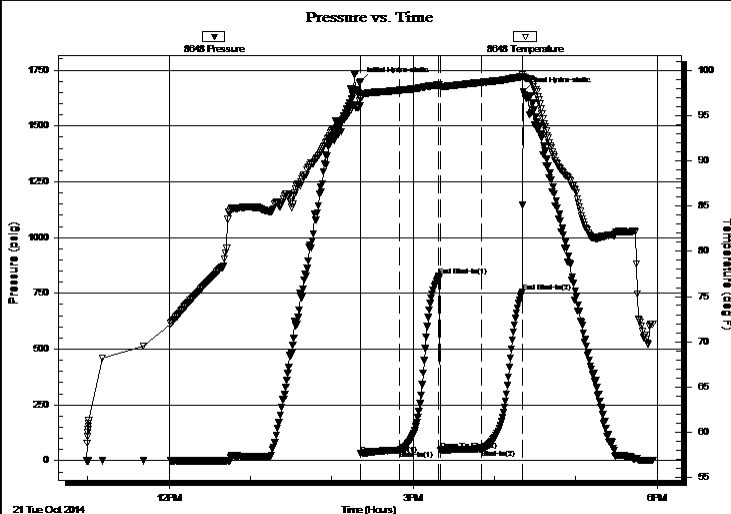
Time On Btm: 2014.10.21 @ 14:21:00

Time Off Btm: 2014.10.21 @ 16:21:30

TEST COMMENT: 30 - IF- 1 1/4" blow
30 - IS- No return
30 - FF- 1 3/4" blow
30 - FS- No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.58	97.01	Initial Hydro-static
1	30.52	96.13	Open To Flow (1)
29	46.93	97.82	Shut-In(1)
58	826.86	98.40	End Shut-In(1)
59	46.11	98.22	Open To Flow (2)
90	52.33	98.67	Shut-In(2)
120	755.44	99.30	End Shut-In(2)
121	1654.43	99.36	Final Hydro-static

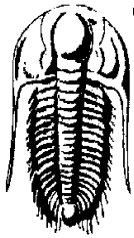


Recovery

Length (ft)	Description	Volume (bbl)
45.00	SOCM, 10%O, 90%M	0.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



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: 59371

DST#: 1

Test Start: 2014.10.21 @ 10:59:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:21:15

Time Test Ended: 17:57:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3405.00 ft (KB) To 3445.00 ft (KB) (TVD)

Total Depth: 3445.00 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 #: 8940 Outside

Press@RunDepth: psig @ 3442.00 ft (KB)

Start Date: 2014.10.21

End Date:

2014.10.21

Start Time: 10:59:05

End Time:

17:57:14

Capacity: 8000.00 psig

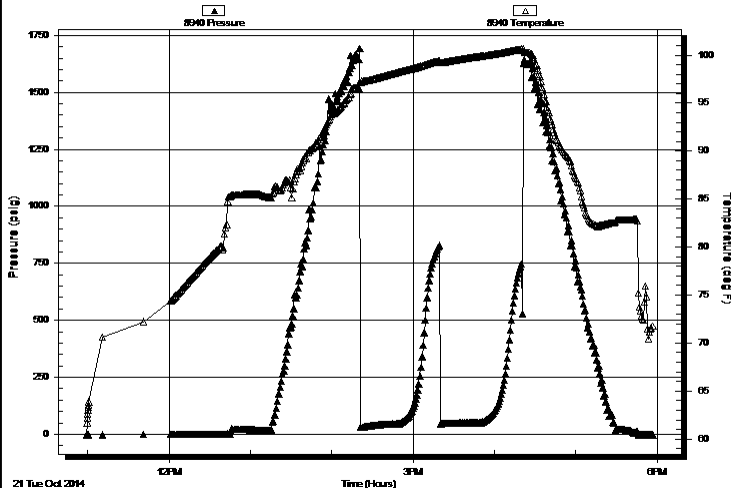
Last Calib.: 2014.10.21

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF- 1 1/4" blow
30 - IS- No return
30 - FF- 1 3/4" blow
30 - FS- No return

Pressure vs. Time



PRESSURE SUMMARY

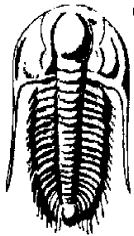
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

Recovery

Length (ft)	Description	Volume (bbl)
45.00	SOCM, 10%O, 90%M	0.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mikol Oil LLC

14-12s-17w Ellis KS

1407 Washington Cir
Hays KS, 67601

Miller 1-14

Job Ticket: 59371

DST#: 1

ATTN: Marc Downing

Test Start: 2014.10.21 @ 10:59:00

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	SOCM, 10%O, 90%M	0.358

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

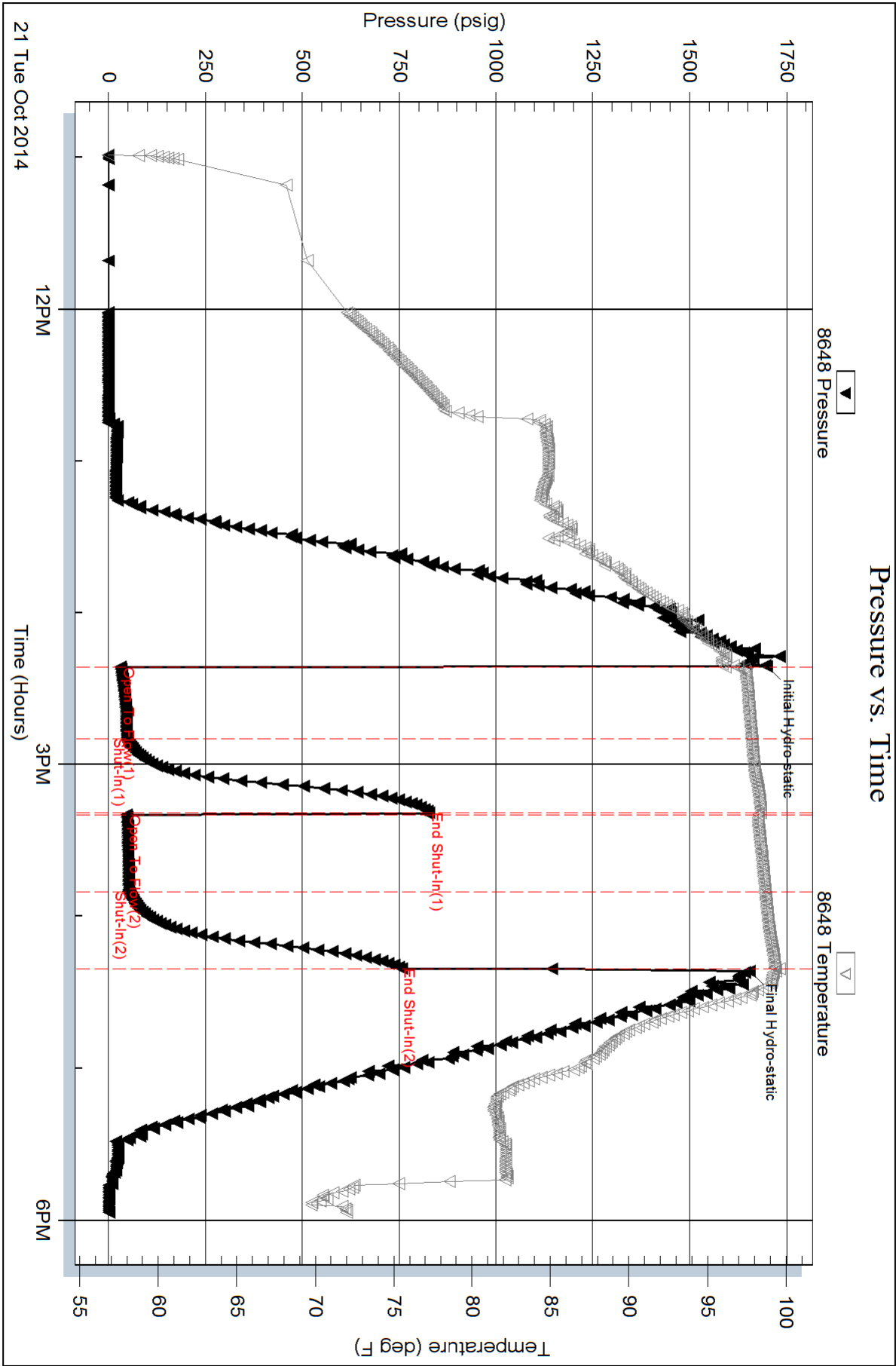
Serial #: 8648

Inside

Mkol Oil LLC

Miller 1-14

DST Test Number: 1



Serial #: 8940

Outside Mikol Oil LLC

Miller 1-14

DST Test Number: 1

