



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mkol Oil Co LLC.

**14-10s-17w Rooks**

1407 Washington cir.  
Hays Ks. 67601

**Gosser 2-14**

Job Ticket: 54328

**DST#: 1**

ATTN: Marc Downing

Test Start: 2013.10.29 @ 18:10:01

## GENERAL INFORMATION:

Formation: **Tor. LKC"A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:59:00

Time Test Ended: 00:11:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 68

**Interval: 3131.00 ft (KB) To 3194.00 ft (KB) (TVD)**

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3194.00 ft (KB) (TVD)

1993.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8372 Inside**

Press @ Run Depth: 33.10 psig @ 3138.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.29

End Date: 2013.10.30

Last Calib.: 2013.10.30

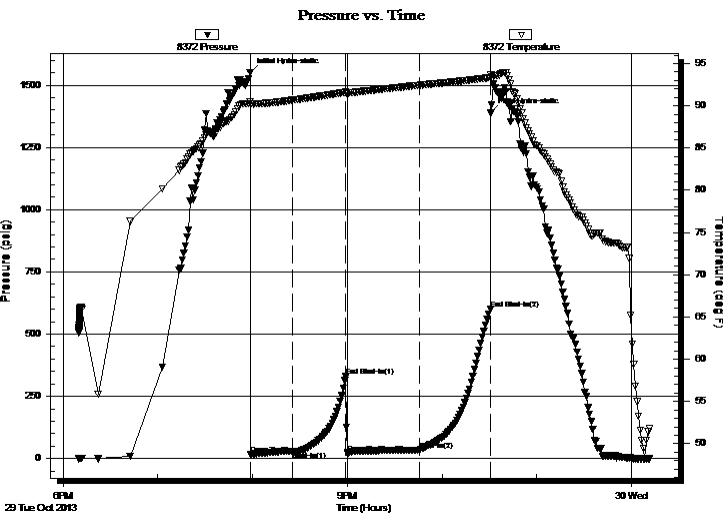
Start Time: 18:10:01

End Time: 00:11:30

Time On Btm: 2013.10.29 @ 19:58:30

Time Off Btm: 2013.10.29 @ 22:31:00

**TEST COMMENT:** IF:(30min) 1" blow in 7 min. Built to 2"  
ISl:(30min) No Return  
FF:(45min) 3" blow in 9min. 5" in 28 min. Built to 6"  
FSl:(45min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.31	90.50	Initial Hydro-static
1	17.52	90.19	Open To Flow (1)
27	29.19	90.66	Shut-In(1)
61	329.36	91.61	End Shut-In(1)
62	21.35	91.53	Open To Flow (2)
108	33.10	92.43	Shut-In(2)
152	599.36	93.35	End Shut-In(2)
153	1388.29	93.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
45.00	HOCM o=25% m=75%	0.36
5.00	CO	0.07
0.00	GIP=10 ft	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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
45.00	HOCM o=25% m=75%	0.358
5.00	CO	0.070
0.00	GIP=10 ft	0.000

Total Length: 50.00 ft      Total Volume: 0.428 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

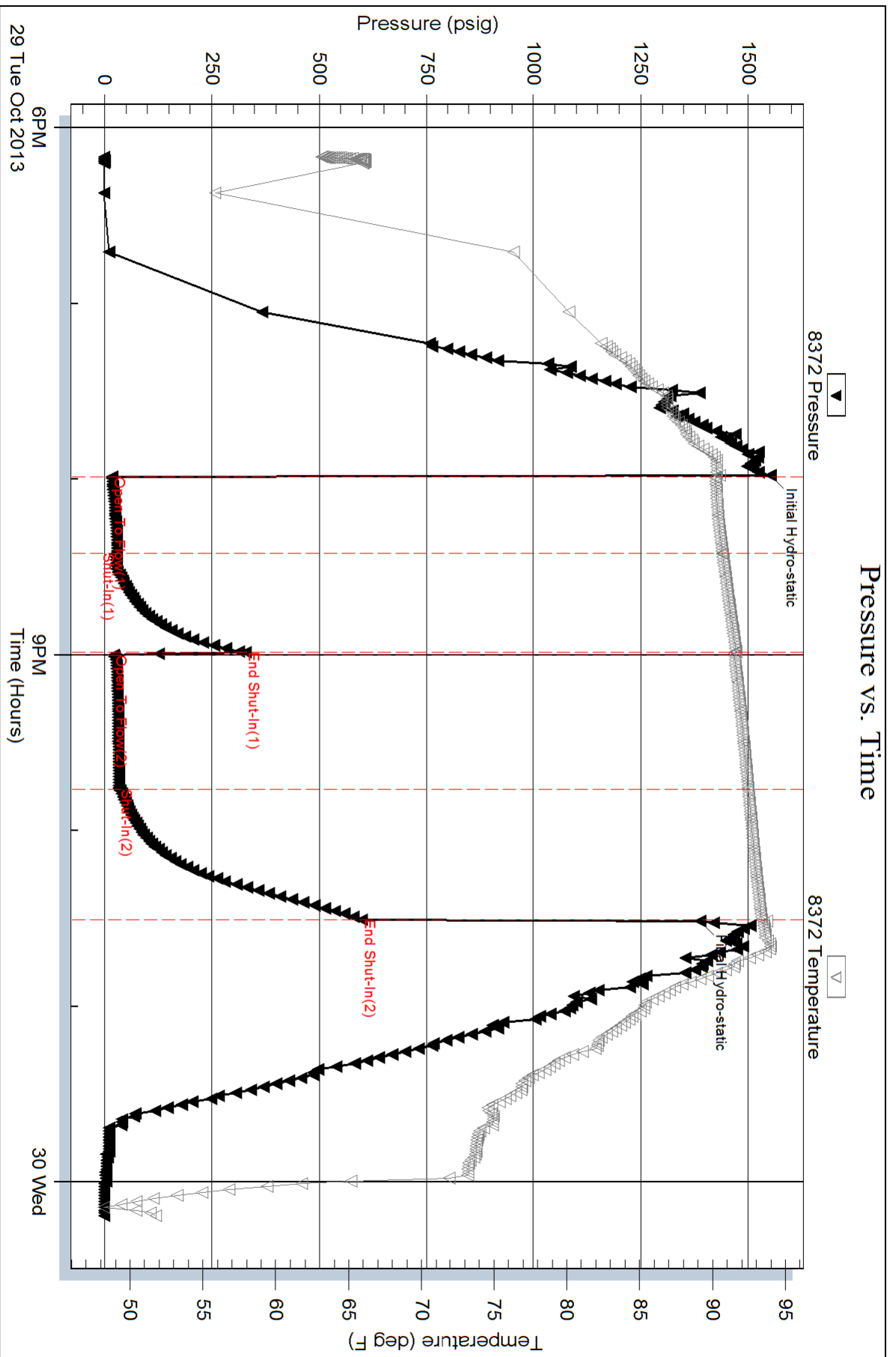
Serial #: 8372

Inside

Mkol Oil Co LLC

Gosser 2-14

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54328

Printed: 2013.10.30 @ 08:09:59