



**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: 54329

**DST#: 2**

ATTN: Marc Downing

Test Start: 2013.10.30 @ 10:23:01

## GENERAL INFORMATION:

Formation: **LKC"E+F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:42:30

Time Test Ended: 16:28:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 68

**Interval: 3248.00 ft (KB) To 3275.00 ft (KB) (TVD)**

Reference Elevations: 2001.00 ft (KB)

Total Depth: 3275.00 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: 332.68 psig @ 3249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.30

End Date: 2013.10.30

Last Calib.: 2013.10.30

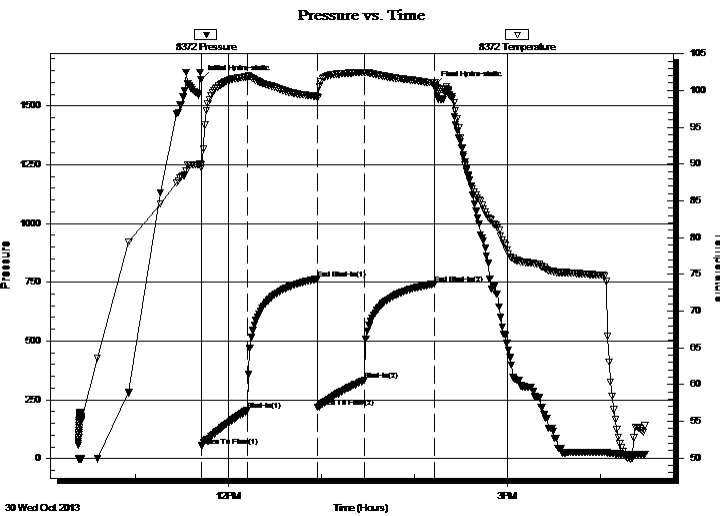
Start Time: 10:23:01

End Time: 16:28:30

Time On Btm: 2013.10.30 @ 11:42:00

Time Off Btm: 2013.10.30 @ 14:13:00

**TEST COMMENT:** IF:(30min) BOB in 4 min.  
ISl:(45min) Return surface blow 12 min. after bleed off. Died in 30 min.  
FF:(30min) BOB in 5 min.  
FSl:(45min) Return surface blow 3 min. after bleed off. Reduced to intermittent in 17 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.15	89.93	Initial Hydro-static
1	54.29	89.49	Open To Flow (1)
30	205.91	101.88	Shut-In(1)
75	763.66	99.18	End Shut-In(1)
76	219.48	99.01	Open To Flow (2)
106	332.68	102.43	Shut-In(2)
151	742.75	101.00	End Shut-In(2)
151	1584.79	100.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
670.00	GMW w / trace of oil	9.13
10.00	Oil	0.14
0.00	GIP = 10 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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



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Reference Elevations: 2001.00 ft (KB)

Total Depth: 3275.00 ft (KB) (TVD)

1993.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8321 Outside**

Press @ Run Depth: psig @ 3249.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.30

End Date: 2013.10.30

Last Calib.: 2013.10.30

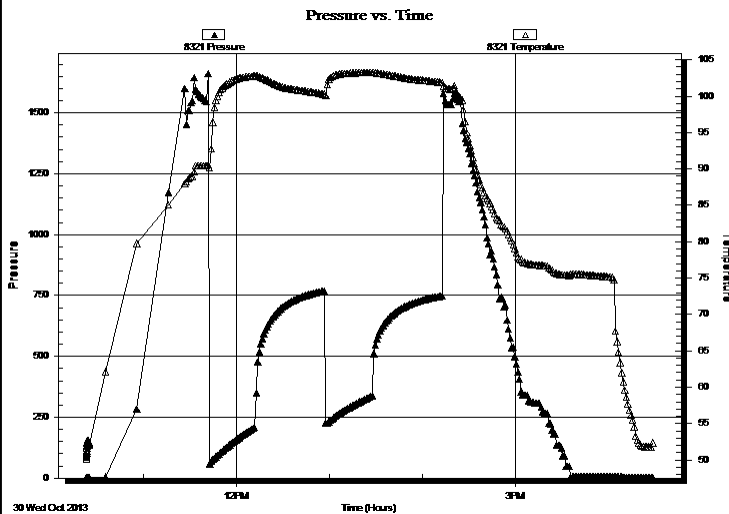
Start Time: 10:23:01

End Time: 16:28:30

Time On Btm:

Time Off Btm:

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### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
670.00	GMW w / trace of oil	9.13
10.00	Oil	0.14
0.00	GIP = 10 ft	0.00

### Gas Rates

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

\* Recovery from multiple tests



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## FLUID SUMMARY

Mkol Oil Co LLC.

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

1407 Washington cir.  
Hays Ks. 67601

**Gosser 2-14**

Job Ticket: 54329

**DST#: 2**

ATTN: Marc Downing

Test Start: 2013.10.30 @ 10:23:01

### 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:

92000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

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 bbbl
670.00	GMW w / trace of oil	9.125
10.00	Oil	0.140
0.00	GIP = 10 ft	0.000

Total Length: 680.00 ft      Total Volume: 9.265 bbl

Num Fluid Samples: 0

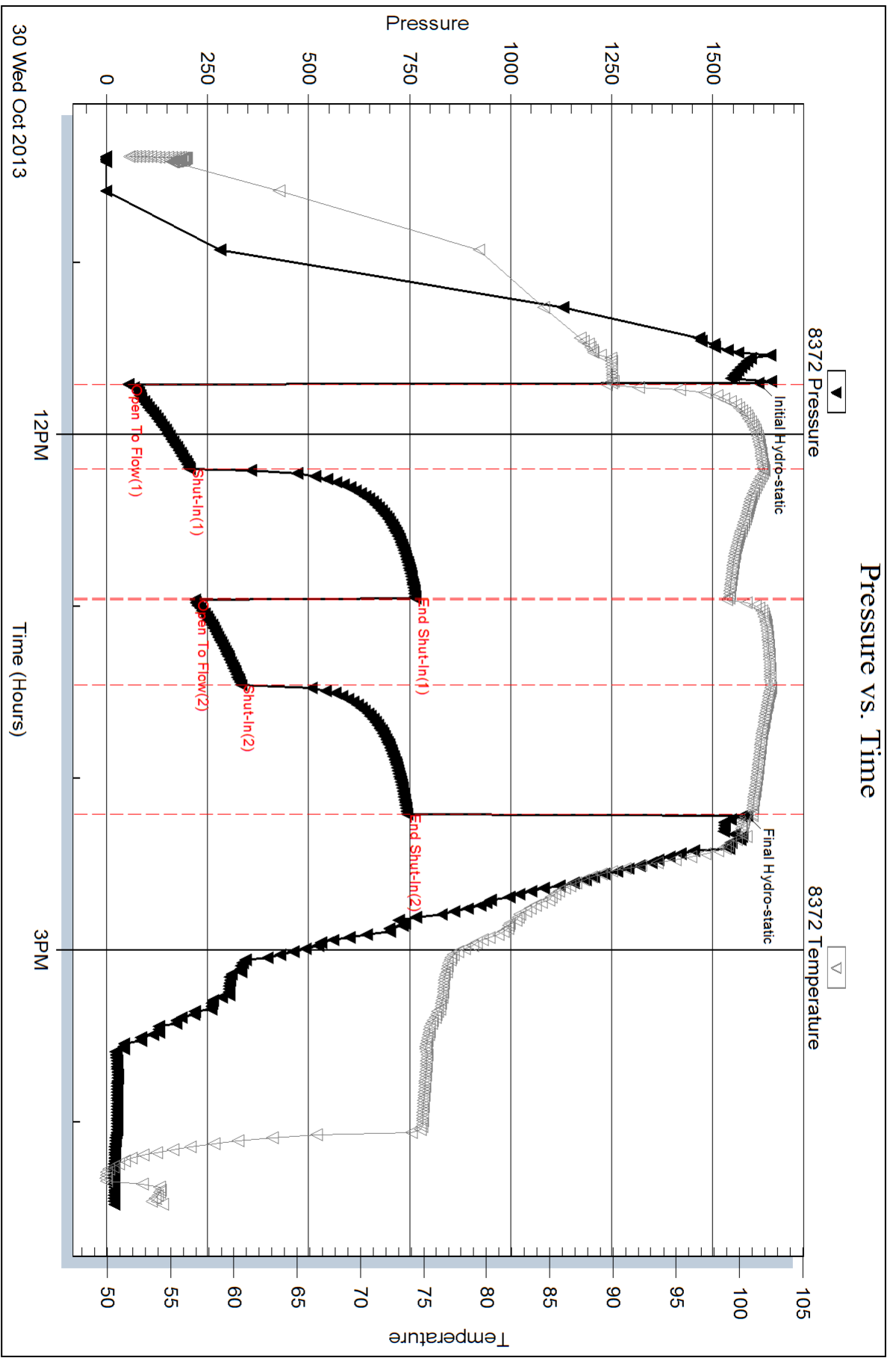
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .128 @ 49 deg = 92000

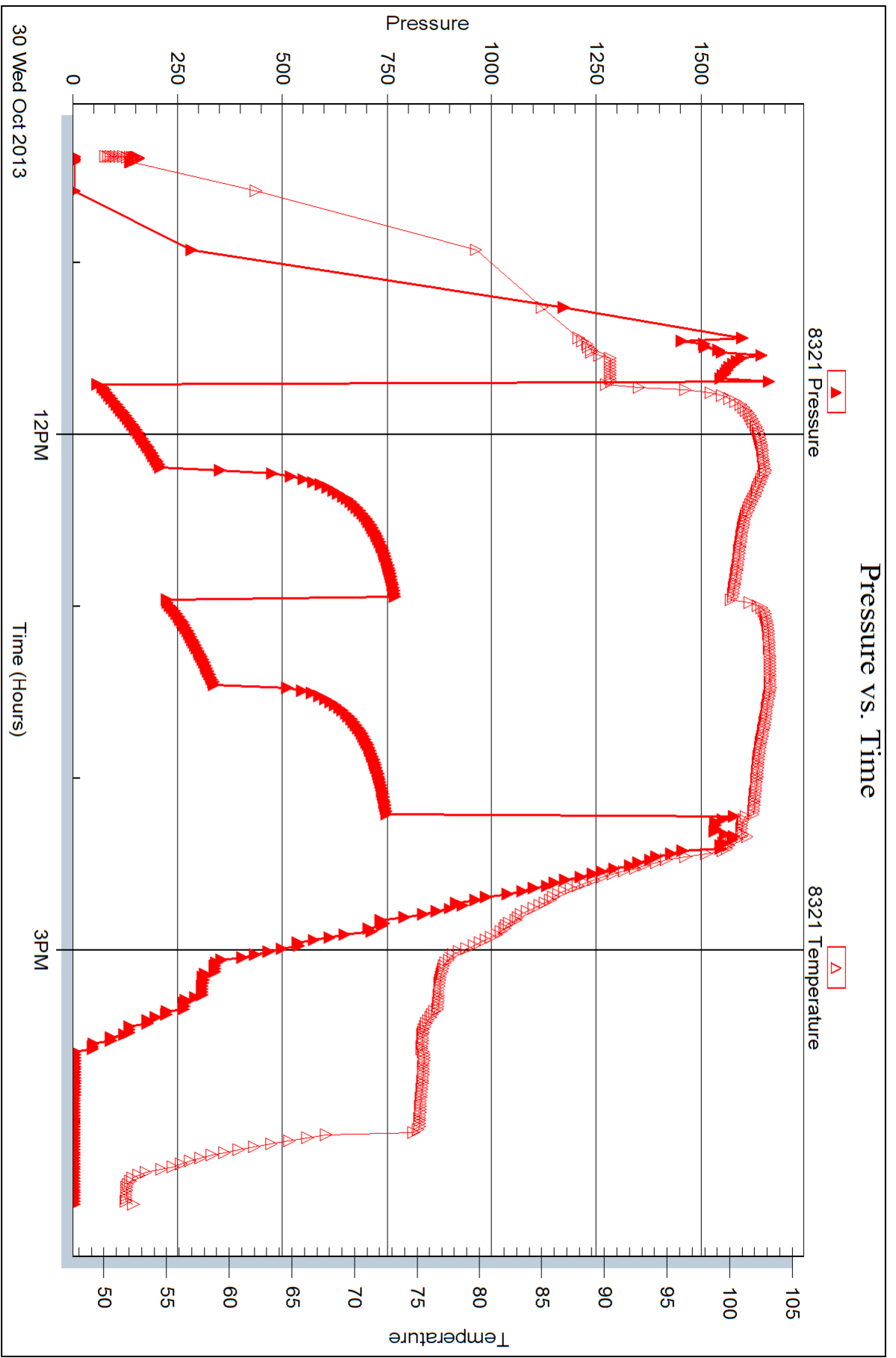


Serial #: 8321

Outside Mkol Oil Co LLC

Gosser 2-14

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 54329

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