



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mkol Oil LLC
 1407 Washington Ave.
 Hays, Ks 67601
 ATTN: Bob Stolzle

27-10-16 Rooks, Ks
Haberer 1-27
 Job Ticket: 44738 **DST#: 3**
 Test Start: 2011.11.29 @ 21:36:30

GENERAL INFORMATION:

Formation: **Cong. & Arbuckle**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:15:00 Tester: Dustin Rash
 Time Test Ended: 04:35:30 Unit No: 41

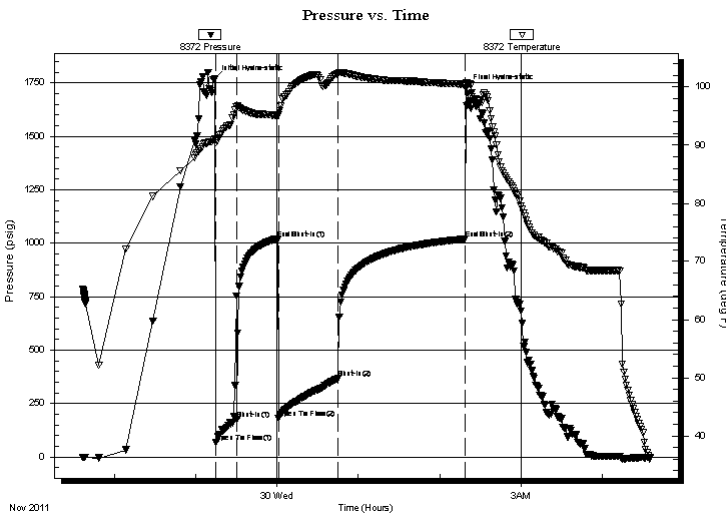
Interval: **3498.00 ft (KB) To 3628.00 ft (KB) (TVD)** Reference Elevations: 2049.00 ft (KB)
 Total Depth: 3628.00 ft (KB) (TVD) 2042.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8372 Inside

Press @ Run Depth: 367.11 psig @ 3505.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2011.11.29 End Date: 2011.11.30	Last Calib.: 2011.11.30
Start Time: 21:36:31 End Time: 04:35:30	Time On Btm: 2011.11.29 @ 23:14:00
	Time Off Btm: 2011.11.30 @ 02:19:30

TEST COMMENT: IF-Strong building blow . BOB in 3 minutes.
 ISI-Very weak surface return throughout.
 FF-Strong building blow . BOB in 4 minutes.
 FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.23	91.08	Initial Hydro-static
1	70.66	90.42	Open To Flow (1)
17	176.72	96.64	Shut-In(1)
46	1021.31	95.08	End Shut-In(1)
47	182.91	95.20	Open To Flow (2)
91	367.11	102.29	Shut-In(2)
185	1020.33	100.49	End Shut-In(2)
186	1722.21	100.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	30%Gas/30%Oil/20%Water/20%Mud	1.46
496.00	20%Gas/20%Oil/20%Water/40%Mud	6.96
124.00	2%Oil/98%Mud	1.74

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: 76.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	30%Gas/30%Oil/20%Water/20%Mud	1.457
496.00	20%Gas/20%Oil/20%Water/40%Mud	6.958
124.00	2%Oil/98%Mud	1.739

Total Length: 744.00 ft Total Volume: 10.154 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

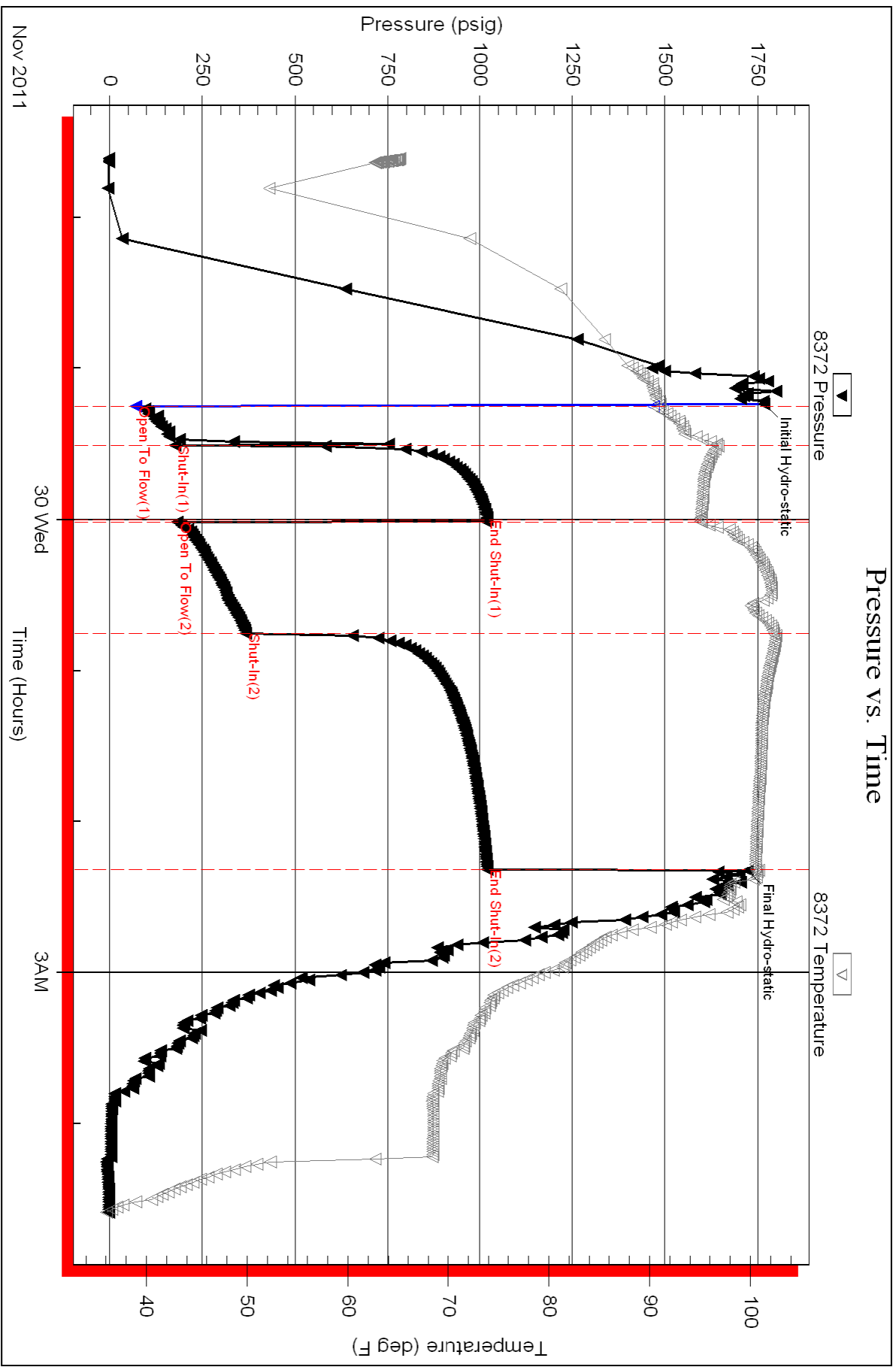
Serial #: 8372

Inside

Mkol Oil LLC

Haberer 1-27

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 44738

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