



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mkol Oil LLC
 1407 Washington Ave Hays Ks 67601
 ATTN: Larry Denning

23-10s-17w-Rooks
Russell 1-23
 Job Ticket: 46238 **DST#: 1**
 Test Start: 2011.12.13 @ 09:13:44

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:09:44
 Time Test Ended: 16:06:44

Test Type: Conventional Bottom Hole (Initial)
 Tester: Jeff Brown
 Unit No: 44

Interval: 3294.00 ft (KB) To 3392.00 ft (KB) (TVD)
 Total Depth: 3392.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2086.00 ft (KB)
 2081.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8321

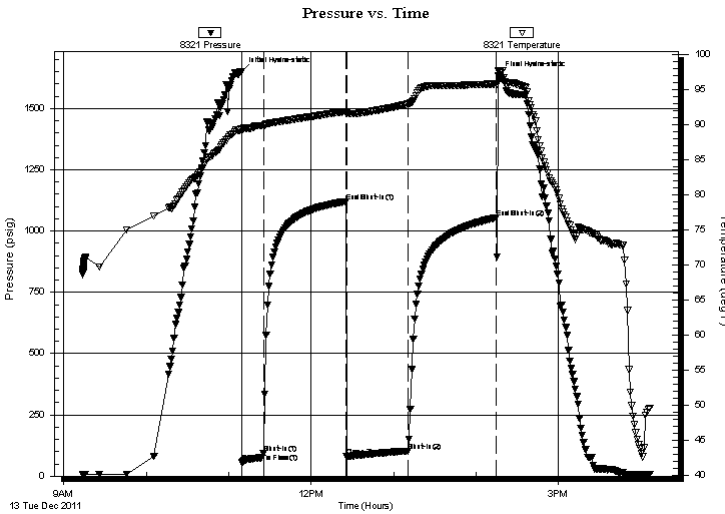
Inside

Press @ Run Depth: 102.32 psig @ 3364.00 ft (KB)
 Start Date: 2011.12.13 End Date: 2011.12.13
 Start Time: 09:13:45 End Time: 16:06:44

Capacity: 8000.00 psig
 Last Calib.: 2011.12.13
 Time On Btm: 2011.12.13 @ 11:09:14
 Time Off Btm: 2011.12.13 @ 14:16:14

TEST COMMENT: IFP-Fair blow built to 5 in
 ISI-Weak surface blow back built to 1/8 in
 FFP-Fair blow built to 7 1/2 in
 FSI-Weak surface blow back died out in 20 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.86	89.46	Initial Hydro-static
1	56.20	89.25	Open To Flow (1)
16	94.03	89.92	Shut-In(1)
76	1120.33	91.93	End Shut-In(1)
77	78.81	91.66	Open To Flow (2)
121	102.32	92.94	Shut-In(2)
186	1054.26	95.85	End Shut-In(2)
187	1632.31	97.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
106.00	VSOCM	1.21

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: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 79.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
106.00	VSOCM	1.214

Total Length: 106.00 ft Total Volume: 1.214 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

