



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mkol Oil LLC
1407 Washington Cir.
Hays KS 67601
ATTN: Marc Downing

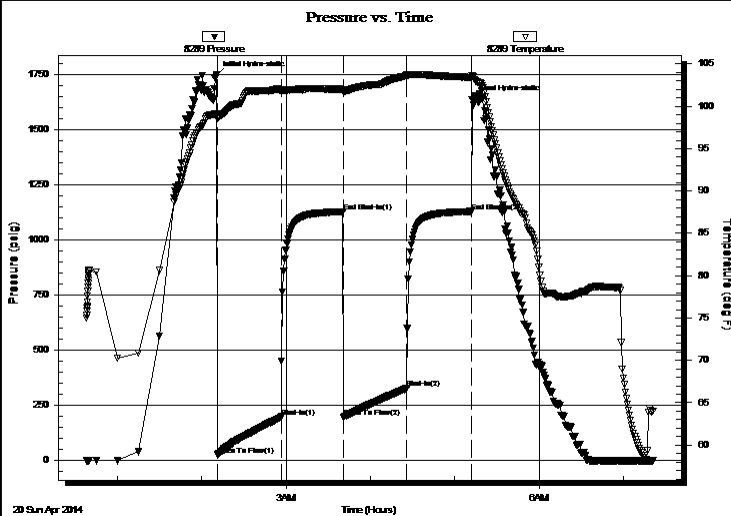
28 10s 17w Rooks
Brumitt 2-28
Job Ticket: 57595 **DST#: 3**
Test Start: 2014.04.20 @ 00:38:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: 1997.00 ft (KB)
Time Tool Opened: 02:11:00
Time Test Ended: 07:21:00
Interval: **3470.00 ft (KB) To 3599.00 ft (KB) (TVD)**
Total Depth: 3599.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 1997.00 ft (KB)
1991.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8289 Outside
Press @ Run Depth: 327.07 psig @ 3473.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.20 End Date: 2014.04.20 Last Calib.: 2014.04.20
Start Time: 00:38:02 End Time: 07:21:00 Time On Btm: 2014.04.20 @ 02:10:30
Time Off Btm: 2014.04.20 @ 05:12:15

TEST COMMENT: 45-IFP- BOB in 9 1/2 min.
45-ISIP- No Blow
45-FFP- BOB in 11 1/2 min.
45-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.70	99.02	Initial Hydro-static
1	25.77	98.52	Open To Flow (1)
46	197.83	101.79	Shut-In(1)
90	1128.14	102.02	End Shut-In(1)
91	197.25	101.71	Open To Flow (2)
136	327.07	103.58	Shut-In(2)
182	1128.79	103.41	End Shut-In(2)
182	1635.08	103.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mud 100%	3.93
375.00	MCW 10% m 90% w	5.26

Gas Rates

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

* Recovery from multiple tests



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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:	16000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	Mud 100%	3.928
375.00	MCW 10%m 90%w	5.260

Total Length: 655.00 ft Total Volume: 9.188 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .515 @ 56

