



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mikol Oil LLC
2401 Ash St.
Hays Ks. 67601
ATTN: Ed Glassman

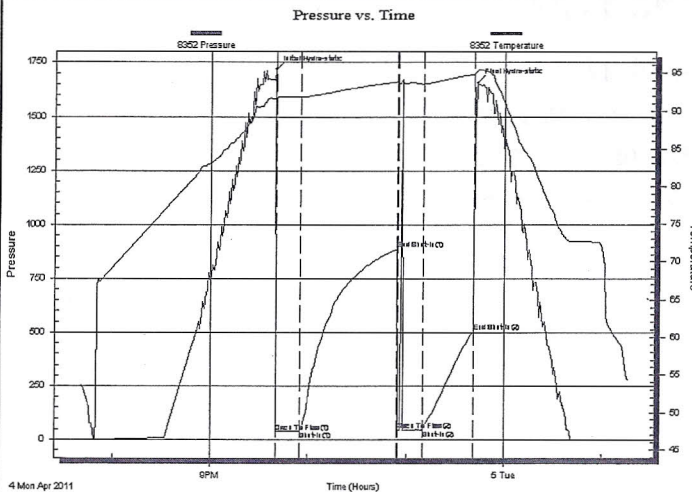
Marston 1A-27
27-10s-17w Rooks KS
Job Ticket: 041801 DST#: 2
Test Start: 2011.04.04 @ 15:50:05

GENERAL INFORMATION:

Formation: Lower LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:40:28
Time Test Ended: 01:16:08
Interval: 3444.00 ft (KB) To 3526.00 ft (KB) (TVD)
Total Depth: 3526.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2073.00 ft (KB)
2065.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8352 Outside
Press@RunDepth: 46.18 psig @ 3450.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.04.04 End Date: 2011.04.05 Last Calib.: 2011.04.04
Start Time: 19:41:00 End Time: 01:16:07 Time On Btm: 2011.04.04 @ 21:39:58
Time Off Btm: 2011.04.04 @ 23:42:58

TEST COMMENT: IF: Weak blow died in 12 min.
IS: No Return
FF: No Blow, Flushed Tool, Surge, No Blow
FS: No Return



PRESSURE SUMMARY

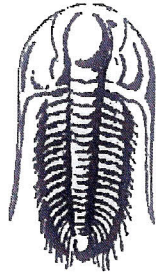
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1716.94	91.72	Initial Hydro-static
1	38.78	91.49	Open To Flow (1)
15	42.00	91.82	Shut-In(1)
75	887.37	93.85	End Shut-In(1)
75	45.39	93.48	Open To Flow (2)
90	46.18	93.56	Shut-In(2)
122	506.66	94.81	End Shut-In(2)
123	1658.19	95.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud	0.42

Gas Rates

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



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Prepared For: **Mikol Oil LLC**

2401 Ash St.
Hays Ks.67601

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27-10s-17w Rooks KS

Marston 1A-27

Start Date: 2011.04.04 @ 15:50:05

End Date: 2011.04.05 @ 01:16:08

Job Ticket #: 041801 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Mikol Oil LLC

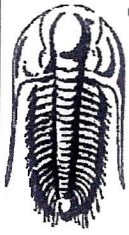
Marston 1A-27

27-10s-17w Rooks KS

DST # 2

Lower LKC

2011.04.04



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
Hays Ks.67601

27-10s-17w Rooks KS

Job Ticket: 041801

DST#: 2

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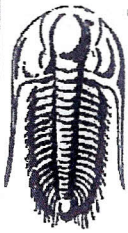
Test Start: 2011.04.04 @ 15:50:05

Tool Information

Drill Pipe:	Length: 3410.00 ft	Diameter: 3.80 inches	Volume: 47.83 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.10 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 47.98 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	25.10 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3444.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Jars	5.00			3432.00	
Safety Joint	3.00			3435.00	
Packer	5.00			3440.00	28.00 Bottom Of Top Packer
Packer	4.00			3444.00	
Stubb	1.00			3445.00	
Perforations	4.00			3449.00	
Change Over Sub	1.00			3450.00	
Recorder	0.00	8017	Inside	3450.00	
Recorder	0.00	8352	Outside	3450.00	
Drill Pipe	62.00			3512.00	
Change Over Sub	1.00			3513.00	
Perforations	10.00			3523.00	
Bullnose	3.00			3526.00	82.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



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FLUID SUMMARY

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Job Ticket: 041801

DST#: 2

ATTN: Ed Glassman

Test Start: 2011.04.04 @ 15:50:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 89.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud	0.418

Total Length: 50.00 ft

Total Volume: 0.418 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

