

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mikol Oil LLC**

2401 Ash St.
Hays Ks.67601

ATTN: Ed Glassman

27-10s-17w Rooks KS

Marston 1A-27

Start Date: 2011.04.03 @ 21:42:05

End Date: 2011.04.04 @ 01:41:40

Job Ticket #: 041575 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Mikol Oil LLC

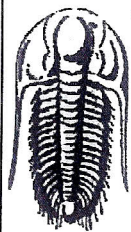
Marston 1A-27

27-10s-17w Rooks KS

DST # 1

LKC-A-C

2011.04.03



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DRILL STEM TEST REPORT

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
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27-10s-17w Rooks KS

Job Ticket: 041575 DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.03 @ 21:42:05

GENERAL INFORMATION:

Formation: LKC"A-C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 01:41:40

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 39

Interval: 3276.00 ft (KB) To 3346.00 ft (KB) (TVD)

Total Depth: 3346.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2073.00 ft (KB)

2065.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8352 Outside

Press@RunDepth: psig @ 3286.00 ft (KB)

Start Date: 2011.04.03 End Date: 2011.04.04

Start Time: 21:42:05 End Time: 01:41:40

Capacity: 8000.00 psig

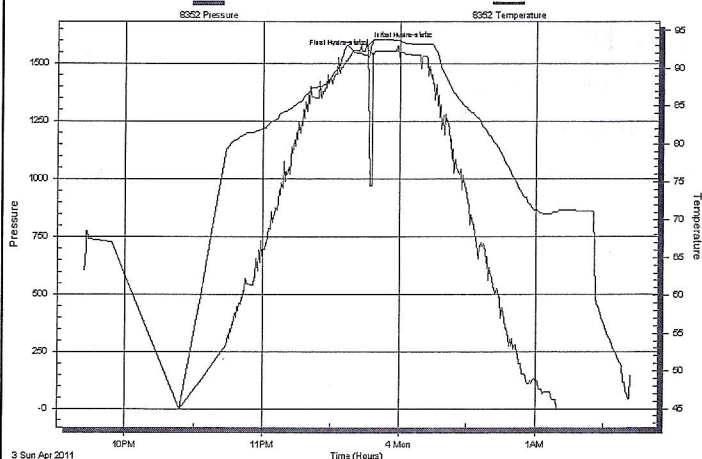
Last Calib.: 2011.04.04

Time On Btm: 2011.04.03 @ 23:45:20

Time Off Btm: 2011.04.03 @ 23:47:50

TEST COMMENT: MISRUN Packer Failure.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1574.87 | 91.74 | Initial Hydro-static |
| 3 | 1541.22 | 93.57 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 500.00 | Mud | 6.73 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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TOOL DIAGRAM

Mikol Oil LLC

Marston 1A-27

2401 Ash St.
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27-10s-17w Rooks KS

Job Ticket: 041575

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.03 @ 21:42:05

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3229.00 ft | Diameter: 3.80 inches | Volume: 45.29 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: 50000.00 lb |
| | | | <u>Total Volume: 45.44 bbl</u> | Tool Chased 10.00 ft |
| Drill Pipe Above KB: | 12.10 ft | | | String Weight: Initial 40000.00 lb |
| Depth to Top Packer: | 3276.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 70.00 ft | | | |
| Tool Length: | 98.00 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 | | | 3249.00 | |
| Shut In Tool | 5.00 | | | 3254.00 | |
| Hydraulic tool | 5.00 | | | 3259.00 | |
| Jars | 5.00 | | | 3264.00 | |
| Safety Joint | 3.00 | | | 3267.00 | |
| Packer | 5.00 | | | 3272.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3276.00 | |
| Stubb | 1.00 | | | 3277.00 | |
| Perforations | 8.00 | | | 3285.00 | |
| Change Over Sub | 1.00 | | | 3286.00 | |
| Recorder | 0.00 | 8650 | Inside | 3286.00 | |
| Recorder | 0.00 | 8352 | Outside | 3286.00 | |
| Drill Pipe | 31.00 | | | 3317.00 | |
| Change Over Sub | 1.00 | | | 3318.00 | |
| Perforations | 25.00 | | | 3343.00 | |
| Bullnose | 3.00 | | | 3346.00 | 70.00 Bottom Packers & Anchor |
| Total Tool Length: | 98.00 | | | | |



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FLUID SUMMARY

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Marston 1A-27

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Job Ticket: 041575

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.04.03 @ 21:42:05

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| 500.00 | Mud | 6.730 |

Total Length: 500.00 ft

Total Volume: 6.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: