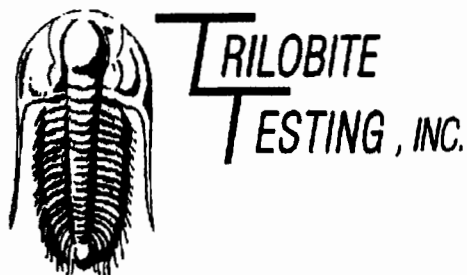


01-31S-08W
S2 SE SE



DRILL STEM TEST REPORT

Prepared For: **MTM Petroleum Inc**

PO Box 82
Spivey KS 67142

ATTN: Jerry A. Smith

1 31S 8W Harper KS

McIntire #3

Start Date: 2007.03.02 @ 20:39:53

End Date: 2007.03.03 @ 08:07:08

Job Ticket #: 27073 DST #: 1

15-077-21575

330 FSL 660 FEL

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KANSAS CORPORATION COMMISSION
JUN 21 2007
CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

MTM Petroleum Inc

PO Box 82
Spivey KS 67142

ATTN: Jerry A. Smith

McIntire #3

1 31S 8W Harper KS

Job Ticket: 27073

DST#: 1

Test Start: 2007.03.02 @ 20:39:53

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 23:26:38

Time Test Ended: 08:07:08

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4400.00 ft (KB) To 4412.00 ft (KB) (TVD)**

Total Depth: **4412.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **1651.00 ft (KB)**

1643.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: **8167**

Inside

Press@RunDepth: **68.78 psig @ 4401.00 ft (KB)**

Start Date: **2007.03.02**

End Date:

2007.03.03

Start Time: **20:39:58**

End Time:

08:07:08

Capacity: **7000.00 psig**

Last Calib.: **2007.03.03**

Time On Btm: **2007.03.02 @ 23:26:23**

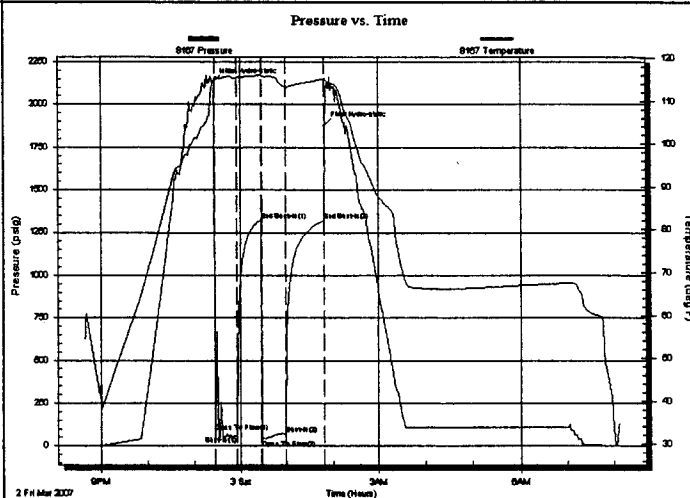
Time Off Btm: **2007.03.03 @ 01:48:37**

TEST COMMENT: IF Strong blow BOB in 12 secs. GTS in 10 mins. (see gas flow report)

ISI No blow

FF Strong blow (see gas flow report)

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.43	114.83	Initial Hydro-static
1	78.80	113.88	Open To Flow (1)
29	56.02	115.36	Shut-In (1)
61	1322.91	116.03	End Shut-In (1)
62	38.72	115.83	Open To Flow (2)
92	68.78	113.10	Shut-In (2)
142	1320.73	115.18	End Shut-In (2)
143	1876.49	115.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud Cuttings and Grit	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	8.00	82.06
Last Gas Rate	0.38	26.00	147.99
Max. Gas Rate	0.38	26.00	147.99



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petroleum Inc

McIntire #3

PO Box 82
Spivey KS 67142

1 31S 8W Harper KS

Job Ticket: 27073

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2007.03.02 @ 20:39:53

Tool Information

Drill Pipe:	Length: 4220.00 ft	Diameter: 3.80 inches	Volume: 59.20 bbl	Tool Weight: 2100.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 86000.00 lb
			Total Volume: 60.09 bbl	Tool Chased 7.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4400.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	35.00 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			4378.00	
Shut In Tool	5.00			4383.00	
Hydraulic tool	5.00			4388.00	
Safety Joint	3.00			4391.00	
Packer	4.00			4395.00	23.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Stubb	1.00			4401.00	
Recorder	0.00	8167	Inside	4401.00	
Perforations	6.00			4407.00	
Recorder	0.00	11019	Outside	4407.00	
Bullnose	5.00			4412.00	12.00 Bottom Packers & Anchor

Total Tool Length: 35.00

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WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

MTM Petroleum Inc

McIntire #3

PO Box 82
Spivey KS 67142

1 31S 8W Harper KS

Job Ticket: 27073

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2007.03.02 @ 20:39:53

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:

4000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud Cuttings and Grit	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

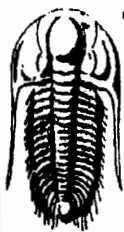
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

MTM Petroleum Inc

McIntire #3

PO Box 82
Spivey KS 67142

1 31S 8W Harper KS

Job Ticket: 27073

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2007.03.02 @ 20:39:53

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	20	0.38	8.00	82.06
1	20	0.38	8.00	82.06
1	30	0.38	10.00	89.38
2	10	0.38	18.00	118.69
2	20	0.38	26.00	147.99

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JUN 21 2007

CONSERVATION DIVISION
WICHITA, KS

Serial #: 8167

Inside

MTM Petroleum Inc

1 31S 8W Harper KS

DST Test Number: 1

