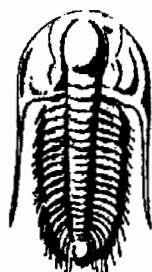


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TRILOBITE
TESTING, INC.

KCC
JUN 20 2005
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **MTM Petroleum, Inc.**

PO Box 82
Spivey, KS 67142

**RELEASED
FROM
CONFIDENTIAL**

ATTN: Jerry A. Smith

5-33S-8W

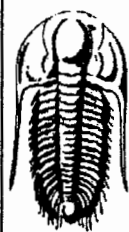
Stuart #1

Start Date: 2005.05.22 @ 17:41:18

End Date: 2005.05.23 @ 02:03:33

Job Ticket #: 20703 DST #: 1

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.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20703

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2005.05.22 @ 17:41:18

GENERAL INFORMATION:

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

Time Tool Opened: 20:03:18

Time Test Ended: 02:03:33

Test Type: **Conventional Bottom Hole**Tester: **Darren L. Amerine**Unit No: **30**Interval: **4493.00 ft (KB) To 4520.00 ft (KB) (TVD)**Reference Elevations: **1459.00 ft (KB)**Total Depth: **4520.00 ft (KB) (TVD)****1451.00 ft (CF)**Hole Diameter: **7.88 inches** Hole Condition: **Fair**KB to GR/CF: **8.00 ft**Serial #: **6668**

Inside

Press@RunDepth: **50.86 psig @ 4495.00 ft (KB)**Capacity: **7000.00 psig**Start Date: **2005.05.22**

End Date:

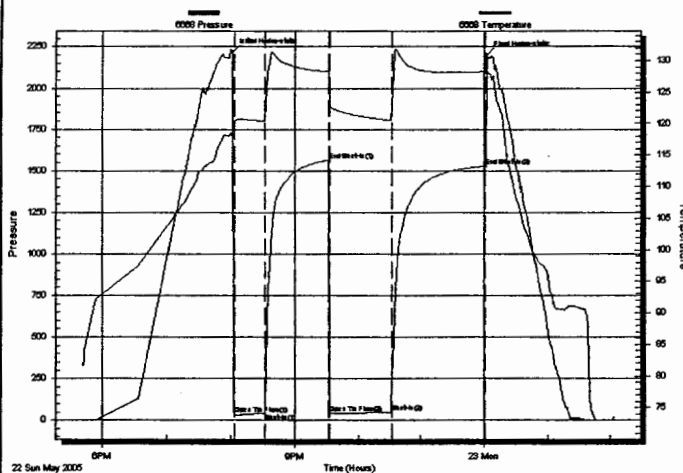
2005.05.23Last Calib.: **2005.05.23**Start Time: **17:41:19**

End Time:

02:03:33Time On Btm: **2005.05.22 @ 20:01:33**Time Off Btm: **2005.05.23 @ 00:02:33**

TEST COMMENT: IF: Strong blow b.o.b in 15 sec. GTS in 12 mins gauge gas.
 IS: Bled down n for 15 mins. weak surface blow back built to 1/4"
 FF: Strong blow b.o.b in 10 sec. gauge gas.
 FS: Bled down n for 10 mins. no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.94	118.12	Initial Hydro-static
2	33.67	120.32	Open To Flow (1)
30	42.54	120.39	Shut-In(1)
90	1564.26	128.33	End Shut-In(1)
92	43.08	122.64	Open To Flow (2)
151	50.86	120.53	Shut-In(2)
240	1527.13	128.29	End Shut-In(2)
241	2202.51	127.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4432' of gip	0.00
65.00	SGCM 10% gas 90% mud	0.91

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	3.00	63.74
Last Gas Rate	0.38	7.50	80.23
Max. Gas Rate	0.38	12.00	96.71



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petroleum, Inc.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20703

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2005.05.22 @ 17:41:18

Tool Information

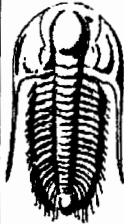
Drill Pipe:	Length: 4497.00 ft	Diameter: 3.80 inches	Volume: 63.08 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 63.08 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4493.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	51.00 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			4470.00	
Shut In Tool	5.00			4475.00	
Hydraulic tool	5.00			4480.00	
Safety Joint	3.00			4483.00	
Packer	5.00			4488.00	24.00 Bottom Of Top Packer
Packer	5.00			4493.00	
Stubb	2.00			4495.00	
Recorder	0.00	6668	Inside	4495.00	
Anchor	22.00			4517.00	
Recorder	0.00	13266	Outside	4517.00	
Bullnose	3.00			4520.00	27.00 Bottom Packers & Anchor

Total Tool Length: 51.00

104133

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY																												
	<table style="width: 100%; border: none;"><tr><td style="width: 50%; border: none; vertical-align: top;">MTM Petroleum, Inc. PO Box 82 Spivey, KS 67142 ATTN: Jerry A. Smith</td><td style="width: 50%; border: none; vertical-align: top;">Stuart #1 5-33S-8W Job Ticket: 20703 DST#: 1 Test Start: 2005.05.22 @ 17:41:18</td></tr></table>			MTM Petroleum, Inc. PO Box 82 Spivey, KS 67142 ATTN: Jerry A. Smith	Stuart #1 5-33S-8W Job Ticket: 20703 DST#: 1 Test Start: 2005.05.22 @ 17:41:18																										
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Recovery Table																															
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Recovery Comments:																															



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

MTM Petroleum, Inc.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20703

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2005.05.22 @ 17:41:18

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	17	0.38	3.00	63.74
1	22	0.38	3.80	66.67
1	27	0.38	4.30	68.50
1	30	0.38	4.50	69.24
2	10	0.38	12.00	96.71
2	20	0.38	9.50	87.55
2	30	0.38	8.50	83.89
2	40	0.38	8.00	82.06
2	50	0.38	7.50	80.23
2	60	0.38	7.50	80.23

104133

DST Test Number: 1

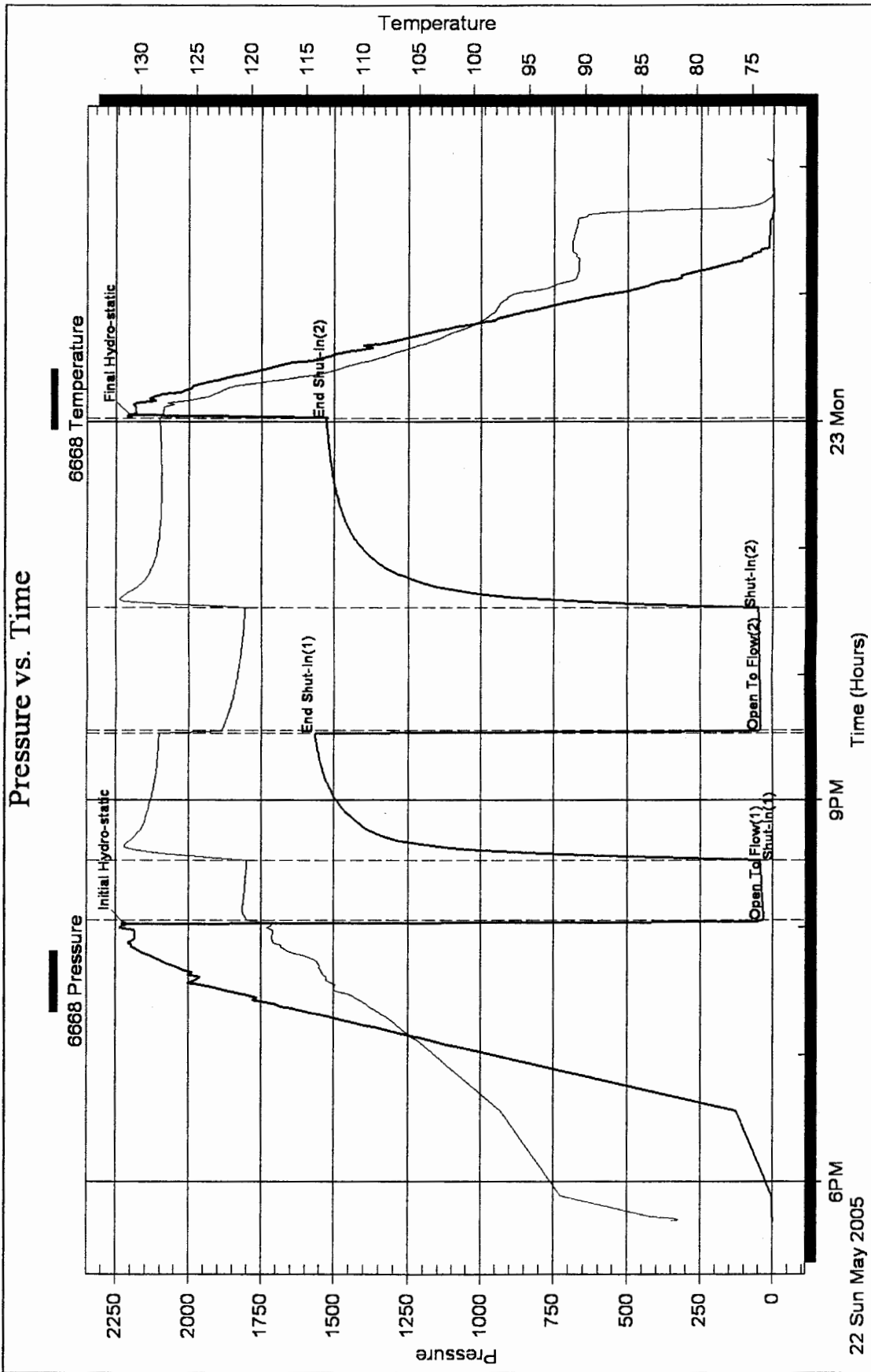
5-33S-8W

MTM Petroleum, Inc.

Inside

Serial #: 6668

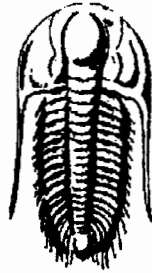
Pressure vs. Time



Ref. No: 20703

Trilobite Testing, Inc

Printed: 2005.06.01 @ 10:54:21 Page 6



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **MTM Petroleum, Inc.**

PO Box 82
Spivey, KS 67142

ATTN: Jerry A. Smith

5-33S-8W

Stuart #1

Start Date: 2005.05.23 @ 10:07:20

End Date: 2005.05.23 @ 17:27:20

Job Ticket #: 20704 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

104133



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

MTM Petroleum, Inc.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20704

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.05.23 @ 10:07:20

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 12:07:50
Time Test Ended: 17:27:20

Test Type: **Conventional Bottom Hole**
Tester: **Darren L. Amerine**
Unit No: **30**

Interval: **4520.00 ft (KB) To 4535.00 ft (KB) (TVD)**
Total Depth: **4535.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1459.00 ft (KB)**
1451.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: **6668**

Inside

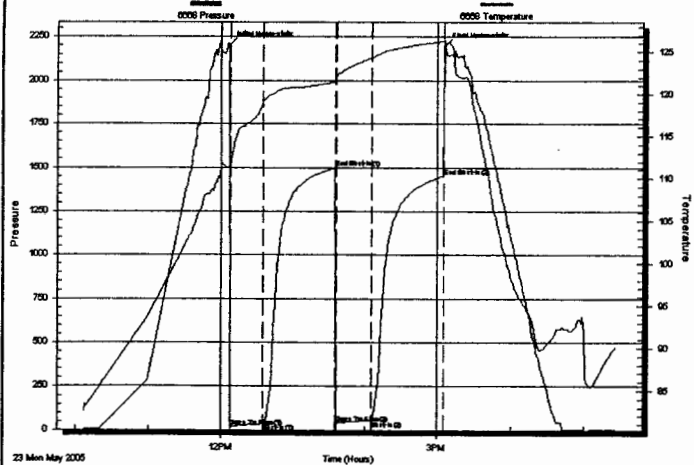
Press@RunDepth: **54.22 psig @ 4522.00 ft (KB)**
Start Date: **2005.05.23** End Date: **2005.05.23**
Start Time: **10:07:21** End Time: **17:27:20**

Capacity: **7000.00 psig**
Last Calib.: **2005.05.23**
Time On Btm: **2005.05.23 @ 12:06:35**
Time Off Btm: **2005.05.23 @ 15:06:05**

TEST COMMENT:

F: Fair blow b.o.b in 6 mins.
IS: Bled down n for 10 mins. no blow back.
FF: Strong blow b.o.b in 30 sec.
FS: Bled down n for 5 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

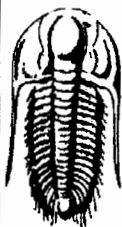
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.93	111.24	Initial Hydro-static
2	16.23	110.87	Open To Flow (1)
28	34.94	118.85	Shut-In(1)
89	1495.30	121.46	End Shut-In(1)
89	35.65	121.90	Open To Flow (2)
119	54.22	124.30	Shut-In(2)
179	1450.65	126.27	End Shut-In(2)
180	2196.96	125.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1000 of gip	0.00
85.00	SO&GCMW 10% Gas 2% oil 70% water 18% 1.191	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petroleum, Inc.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20704

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.05.23 @ 10:07:20

Tool Information

Drill Pipe:	Length: 4526.00 ft	Diameter: 3.80 inches	Volume: 63.49 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
		Total Volume: 63.49 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4520.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	39.00 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			4497.00	
Shut In Tool	5.00			4502.00	
Hydraulic tool	5.00			4507.00	
Safety Joint	3.00			4510.00	
Packer	5.00			4515.00	24.00 Bottom Of Top Packer
Packer	5.00			4520.00	
Stubb	2.00			4522.00	
Recorder	0.00	6668	Inside	4522.00	
Anchor	10.00			4532.00	
Recorder	0.00	13266	Outside	4532.00	
Bullnose	3.00			4535.00	15.00 Bottom Packers & Anchor

Total Tool Length: 39.00


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

MTM Petroleum, Inc.

Stuart #1

PO Box 82
Spivey, KS 67142

5-33S-8W

Job Ticket: 20704

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.05.23 @ 10:07:20

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: 110000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.38 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1000 of gip	0.000
85.00	SO&GCMW 10% Gas 2% oil 70% water 18% mur	1.192

Total Length: 85.00 ft Total Volume: 1.192 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .07@75'degrees=110000

Pressure vs. Time

