

15-175-22123



**TRILOBITE
TESTING, INC.**

**CONFIDENTIAL
APR 02 2008
KCC**

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration Co**

3500 S Blvd Ste 2B
Edmond OK 73013

ATTN: Tom Williams

9 34S 34W Seward KS

Elliot #1-9

Start Date: 2008.01.19 @ 05:08:05

End Date: 2008.01.19 @ 16:44:20

Job Ticket #: 29530 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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APR 07 2008

**CONSERVATION DIVISION
WICHITA, KS**



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Midwestern Exploration Co

3500 S Blvd Ste 2B
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Elliot #1-9

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Job Ticket: 29530

DST#: 1

Test Start: 2008.01.19 @ 05:08:05

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:13:50

Time Test Ended: 16:44:20

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **6053.00 ft (KB) To 6099.00 ft (KB) (TVD)**

Total Depth: 6099.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2961.00 ft (KB)

2947.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 8351

Inside

Press@RunDepth: 36.06 psig @ 6056.00 ft (KB)

Start Date: 2008.01.19

End Date:

2008.01.19

Start Time: 05:08:10

End Time:

16:44:20

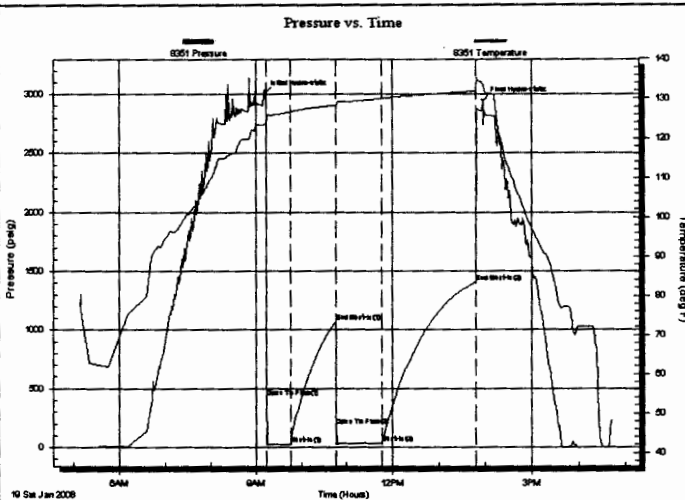
Capacity: 7000.00 psig

Last Calib.: 2008.01.19

Time On Btm: 2008.01.19 @ 09:11:35

Time Off Btm: 2008.01.19 @ 13:56:50

TEST COMMENT: IF BOB @ 2 min.
ISI No return
FF Immediate BOB
FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3003.66	123.58	Initial Hydro-static
3	424.84	122.72	Open To Flow (1)
34	27.48	126.55	Shut-In (1)
95	1069.20	128.25	End Shut-In (1)
95	180.42	127.72	Open To Flow (2)
155	36.06	129.91	Shut-In (2)
276	1406.32	131.84	End Shut-In (2)
286	2947.99	133.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	DM 100%M	0.15
0.00	1150 feet GIP	0.00

Gas Rates

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

Midwestern Exploration Co

Elliot #1-9

3500 S Blvd Ste 2B
Edmond OK 73013

9 34S 34W Seward KS

Job Ticket: 29530

DST#: 1

ATTN: Tom Williams

Test Start: 2008.01.19 @ 05:08:05

Tool Information

Drill Pipe:	Length: 5771.00 ft	Diameter: 3.80 inches	Volume: 80.95 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose:	13000.00 lb
		Total Volume:	82.28 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	108000.0 lb
Depth to Top Packer:	6053.00 ft			Final	108000.0 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	74.00 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			6026.00	
Shut In Tool	5.00			6031.00	
Hydraulic tool	5.00			6036.00	
Jars	5.00			6041.00	
Safety Joint	3.00			6044.00	
Packer	5.00			6049.00	28.00 Bottom Of Top Packer
Packer	4.00			6053.00	
Stubb	1.00			6054.00	
Perforations	2.00			6056.00	
Recorder	0.00	8017	Inside	6056.00	
Recorder	0.00	8351	Inside	6056.00	
Perforations	5.00			6061.00	
Change Over Sub	1.00			6062.00	
Drill Pipe	31.00			6093.00	
Change Over Sub	1.00			6094.00	
Bullnose	5.00			6099.00	46.00 Bottom Packers & Anchor
Total Tool Length:		74.00			

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FLUID SUMMARY

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Elliot #1-9

3500 S Blvd Ste 2B
Edmond OK 73013

9 34S 34W Seward KS

Job Ticket: 29530

DST#: 1

ATTN: Tom Williams

Test Start: 2008.01.19 @ 05:08:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	DM 100%M	0.148
0.00	1150 feet GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 29530

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DST Test Number: 1

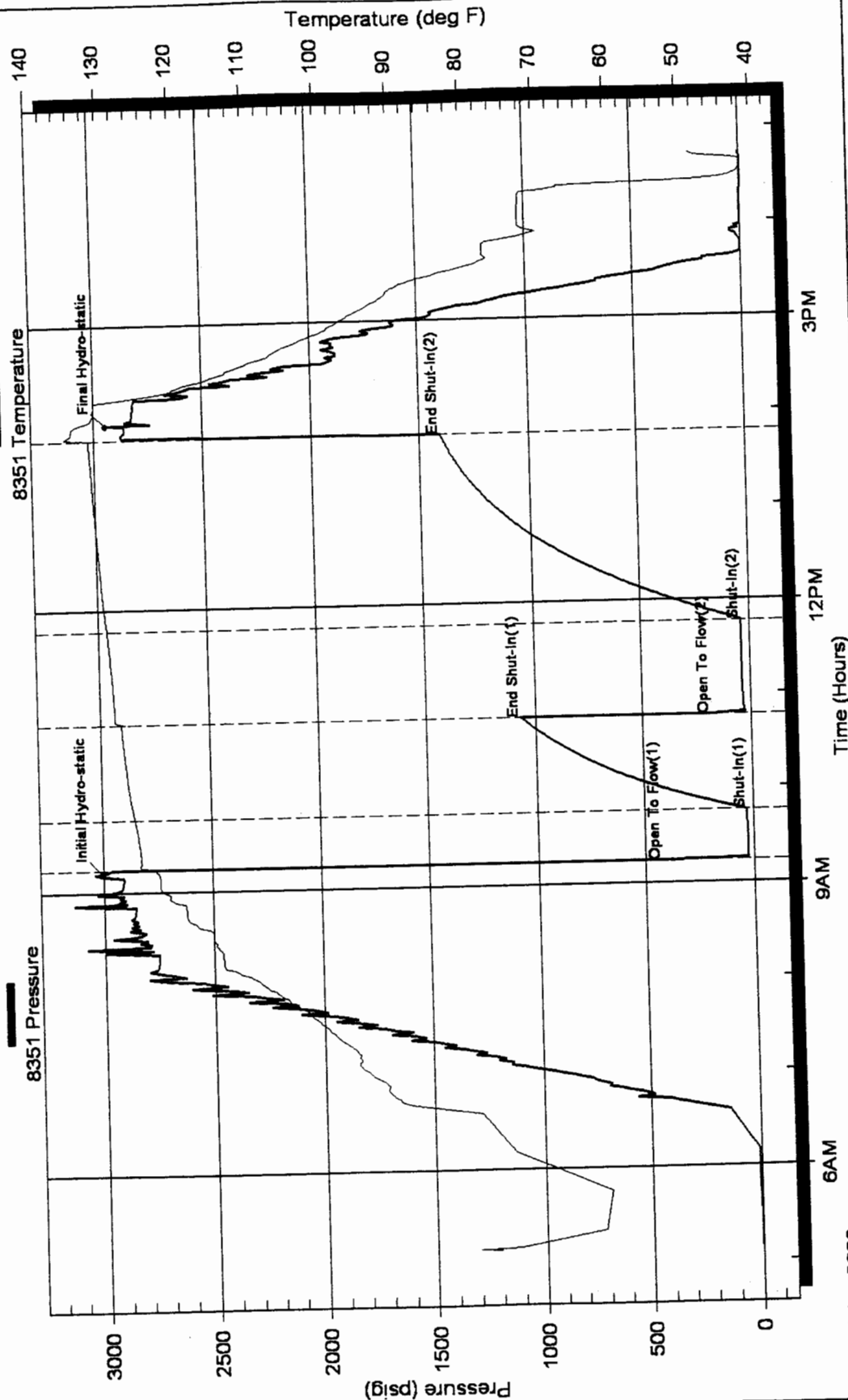
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Midwestern Exploration Co

Inside

Serial #: 8351

Pressure vs. Time



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