

COPY

15-175-21987



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration**

3500 S. Blvd.
Ste 2B
Edmond, OK 73013

ATTN: Tom Williams

18/34S/33W

Brown 1-18

Start Date: 2005.07.07 @ 15:35:17

End Date: 2005.07.08 @ 03:49:45

Job Ticket #: 21265

DST #: 1

KCC

OCT 20 2005

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KCC WICHITA

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TESTING, INC.**

DRILL STEM TEST REPORT

Midwestern Exploration

Brown 1-18

3500 S. Blvd.
Ste 2B
Edmond, OK 73013
ATTN: Tom Williams

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Job Ticket: 21265

DST#: 1

Test Start: 2005.07.07 @ 15:35:17

GENERAL INFORMATION:

Formation: **Middle Chester**

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

Time Tool Opened: 19:28:30

Time Test Ended: 03:49:45

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **20**

Interval: **6182.00 ft (KB) To 6240.00 ft (KB) (TVD)**

Total Depth: **6240.00 ft (KB) (TVD)**

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

Reference Elevations: **2897.00 ft (KB)**

2885.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: **6770**

Inside

Press@RunDepth: **63.95 psig @ 6184.00 ft (KB)**

Start Date: **2005.07.07**

End Date: **2005.07.08**

Start Time: **15:35:17**

End Time: **03:49:45**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.07.07 @ 19:27:00**

Time Off Btm: **2005.07.07 @ 23:39:00**

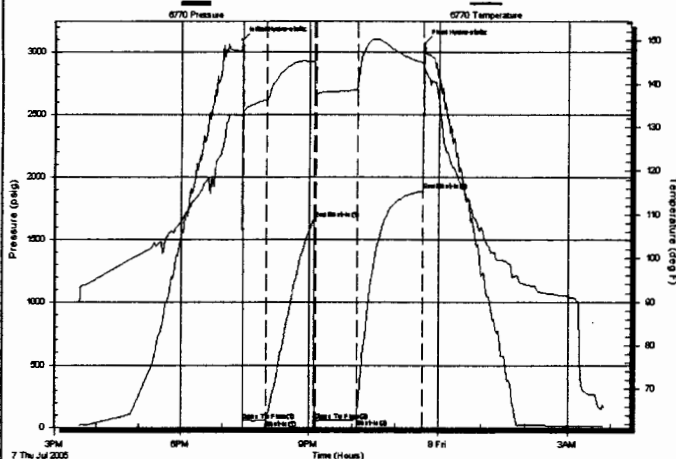
TEST COMMENT: **IF-Strong building blow. BOB in 1 min.**

ISI-No blow back.

FF-Strong blow. BOB ASAO. GTS in 10 min. TSTM.

FSI-No blow back.

Pressure vs. Time



PRESSURE SUMMARY

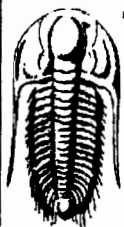
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3096.96	132.45	Initial Hydro-static
2	52.13	133.78	Open To Flow (1)
35	56.28	136.34	Shut-In(1)
101	1663.25	145.01	End Shut-In(1)
103	49.33	137.49	Open To Flow (2)
160	63.95	138.61	Shut-In(2)
251	1889.64	144.95	End Shut-In(2)
253	3068.11	141.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	100% Mud	0.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Midwestern Exploration

Brown 1-18

3500 S. Blvd.

18/34S/33W

Ste 2B

Job Ticket: 21265

DST#: 1

Edmond, OK 73013

Test Start: 2005.07.07 @ 15:35:17

ATTN: Tom Williams

Tool Information

Drill Pipe:	Length: 5665.00 ft	Diameter: 3.80 inches	Volume: 79.47 bbl	Tool Weight: 2000.00 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: 519.00 ft	Diameter: 2.25 inches	Volume: 2.55 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume:	82.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	6182.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			6156.00	
Shut In Tool	5.00			6161.00	
Hydraulic tool	5.00			6166.00	
Jars	5.00			6171.00	
Safety Joint	2.00			6173.00	
Packer	5.00			6178.00	27.00 Bottom Of Top Packer
Packer	4.00			6182.00	
Stubb	1.00			6183.00	
Perforations	1.00			6184.00	
Recorder	0.00	6770	Inside	6184.00	
Perforations	10.00			6194.00	
Change Over Sub	1.00			6195.00	
Drill Pipe	31.00			6226.00	
Change Over Sub	1.00			6227.00	
Perforations	10.00			6237.00	
Recorder	0.00	10993	Inside	6237.00	
Bullnose	3.00			6240.00	58.00 Bottom Packers & Anchor
Total Tool Length:	85.00				



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FLUID SUMMARY

Midwestern Exploration

Brown 1-18

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Ste 2B

Job Ticket: 21265

DST#: 1

Edmond, OK 73013

Test Start: 2005.07.07 @ 15:35:17

ATTN: Tom Williams

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:

4300 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 1.39 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	100% Mud	0.738

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 2

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: Gas was flammable.

Brown 1-18
18/34S/33W

DST Test Number: 1

Serial #: 6770 Midwestern Exploration

Inside

Pressure vs. Time

