

**DRILL STEM TEST REPORT**

Prepared For: **N-10 Exploration LLC**

P.O.Box 195  
Attica Ks.67009

ATTN: Tim Pierce

**15-34s-11w Barber Ks**

**Medicine River Ranch B-6**

Start Date: 2011.02.03 @ 10:33:35

End Date: 2011.02.03 @ 19:08:05

Job Ticket #: 041607                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

N-10 Exploration LLC

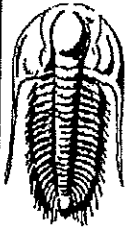
Medicine River Ranch B-6

15-34s-11w Barber Ks

DST # 1

Kinderhook

2011.02.03



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Medicine River Ranch B-6

15-34s-11w Barber Ks

Job Ticket: 041607      DST#: 1

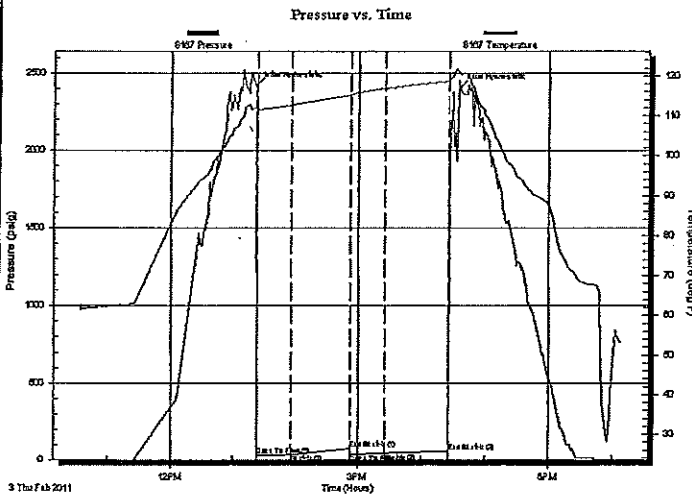
Test Start: 2011.02.03 @ 10:33:35

### GENERAL INFORMATION:

Formation: **Kinderhook**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: **13:22:50**  
 Time Test Ended: **19:08:05**  
 Interval: **4835.00 ft (KB) To 4905.00 ft (KB) (TVD)**  
 Total Depth: **4905.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 Inches** Hole Condition: **Poor**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Gary Pevoteaux**  
 Unit No: **39**  
 Reference Elevations: **1340.00 ft (KB)**  
**1330.00 ft (CF)**  
 KB to GR/CF: **10.00 ft**

Serial #: **8167**      Inside  
 Press@RunDepth: **42.83 psig @ 4836.00 ft (KB)**  
 Start Date: **2011.02.03**      End Date: **2011.02.03**  
 Start Time: **10:33:40**      End Time: **19:08:05**  
 Capacity: **8000.00 psig**  
 Last Calib.: **2011.02.03**  
 Time On Btm: **2011.02.03 @ 13:21:20**  
 Time Off Btm: **2011.02.03 @ 16:35:20**

TEST COMMENT: IF:Weak blow . 1" decreasing.  
 IS:No blow .  
 FF:No blow .  
 FSI:No blow .



### PRESSURE SUMMARY

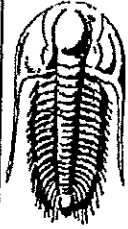
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2420.72	111.93	Initial Hydro-static
2	27.56	111.45	Open To Flow (1)
34	33.42	112.66	Shut-In(1)
91	72.00	115.13	End Shut-In(1)
91	35.63	115.20	Open To Flow (2)
123	42.83	116.83	Shut-In(2)
185	57.11	118.76	End Shut-In(2)
194	2405.30	120.52	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drig.mud	0.15

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



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TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch B-6

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ATTN: Tim Pierce

Test Start: 2011.02.03 @ 10:33:35

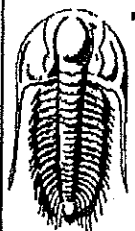
### Tool Information

Drill Pipe:	Length: 4639.00 ft	Diameter: 3.80 inches	Volume: 65.07 bbl	Tool Weight: 2400.00 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: 100000.0 lb
			<u>Total Volume: 65.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4835.00 ft			Final 65000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4808.00	
Shut in tool	5.00			4813.00	
HMV	5.00			4818.00	
Jars	5.00			4823.00	
Safety Joint	3.00			4826.00	
Packer	4.00			4830.00	28.00 Bottom Of Top Packer
Packer	5.00			4835.00	
Stubb	1.00			4836.00	
Recorder	0.00	8167	Inside	4836.00	
Recorder	0.00	8370	Outside	4836.00	
Perforations	2.00			4838.00	
Blank Spacing	62.00			4900.00	
Bullnose	5.00			4905.00	70.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>98.00</b>				



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FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	8000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.20 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drig.mud	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

