

**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

PO Box 195  
Attica, KS 67009

ATTN: Randy Newberry/ Tim

**15-35s-11w Barber;KS**

**Medicine River Ranch B-8**

Start Date: 2011.10.03 @ 17:19:07

End Date: 2011.10.04 @ 01:29:07

Job Ticket #: 44065

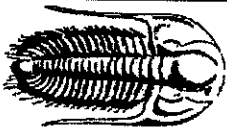
DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Printed: 2011.10.10 @ 15:16:49



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**DRILL STEM TEST REPORT**

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Medicine River Ranch B-8

PO Box 196  
Atteca, KS 67009

15-355-11w Barber,KS

Job Ticket 44065

DST#:2

ATTN: Randy Newberry/Tim

Test Start: 2011.10.03 @ 17:19:07

**GENERAL INFORMATION:**

Formation: Viola  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:10:52  
Time Test Ended: 01:29:07  
Interval: 4941.00 ft (KB) To 4965.00 ft (KB) (TVD)  
Total Depth: 4965.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inch-st-hole Condition: Fair

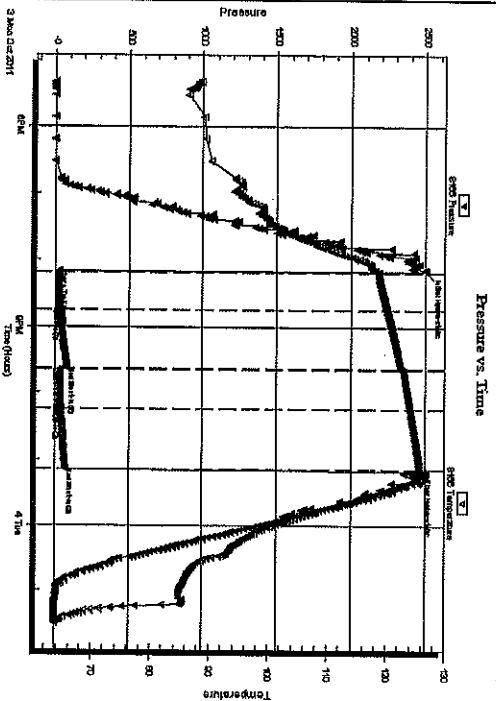
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chris Staats  
Unit No: 34  
Reference Elevations: 1364.00 ft (KB)  
1354.00 ft (CF)  
10.00 ft  
KB to GR/CF:

**Serial #: 8166** Outside  
Press.@RunDepth: 37.24 psig @ 4942.00 ft (KB)  
Start Date: 2011.10.03 End Date: 2011.10.04  
Start Time: 17:19:12 End Time: 01:29:06  
Time Off Btm: 2011.10.03 @ 23:10:22

Capacity: 8000.00 psig  
Last Callb.: 2011.10.04  
Time On Btm: 2011.10.03 @ 20:09:52  
Time Off Btm: 2011.10.03 @ 23:10:22

**TEST COMMENT:** IF: Weak surface blow blow died in 15 min

IS: No blow back  
FF: No blow  
FSI: No blow back



**PRESSURE SUMMARY**

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2506.72	118.10	Initial Hydro-static
1	27.06	118.63	Open To Flow (1)
35	33.73	120.12	Shut-In(1)
89	81.22	122.52	End Shut-In(1)
90	33.49	122.71	Open To Flow (2)
125	37.24	124.07	Shut-In(2)
180	70.17	126.75	End Shut-In(2)
181	2442.57	126.29	Final Hydro-static

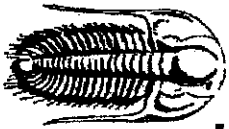
**Recovery**

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

**Gas Rates**

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

\* Recovery from multiple tests



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**TOOL DIAGRAM**

N-10 Exploration LLC

Medicine River Ranch B-8

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Job Ticket: 44065

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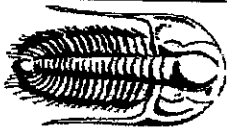
Test Start: 2011.10.03 @ 17:19:07

**Tool Information**

Drill Pipe:	Length: 4807.00 ft	Diameter: 3.80 Inches	Volume: 67.43 bbl	Tool Weight: 22000.00 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: 120.00 ft	Diameter: 2.25 Inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume:</u> 68.02 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4941.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	53.00 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			4913.00	
Shut In Tool	5.00			4918.00	
Hydraulic tool jars	5.00			4923.00	
				4928.00	
Safety Joint	3.00			4931.00	
Packer	5.00			4936.00	29.00
					Bottom Of Top Packer
Packer	5.00			4941.00	
Stub	1.00			4942.00	
Recorder	0.00	6773	Outside	4942.00	
Recorder	0.00	8166	Outside	4942.00	
Perforations	20.00			4962.00	
Bullnose	3.00			4965.00	24.00
					Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>53.00</b>			



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**FLUID SUMMARY**

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Job Ticket: 44065

DST#: 2

ATTN: Randy Newberry/Tim

Test Start: 2011.10.03 @ 17:19:07

**Mud and Cushion Information**

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 50.00 sec/qt  
 Water Loss: 8.79 in<sup>3</sup>  
 Resistivity: 0.00 ohmm  
 Salinity: 6000.00 ppm  
 Filter Cake: 0.02 inches

Cushion Type:  
 Cushion Length:  
 Cushion Volume:  
 Gas Cushion Type:  
 Gas Cushion Pressure:

ft  
 bbl

Oil API:  
 Water Salinity:

deg API  
 ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.148

Total Length: 30.00ft Total Volume: 0.148 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

