

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 195
Atitca KS 67009

ATTN: Randy Newberry/Tim P

10-34s-11w Barber,KS

Medicine River Ranch D-3

Start Date: 2011.11.22 @ 06:04:57

End Date: 2011.11.22 @ 14:05:57

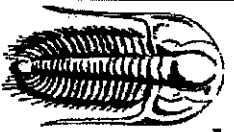
Job Ticket #: 44107 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Printed: 2011.12.01 @ 13:56:41



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N-10 Exploration LLC

Medicine River Ranch D-3

PO Box 195
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Job Ticket: 44107 DST#: 1

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Test Start: 2011.11.22 @ 06:04:57

GENERAL INFORMATION:

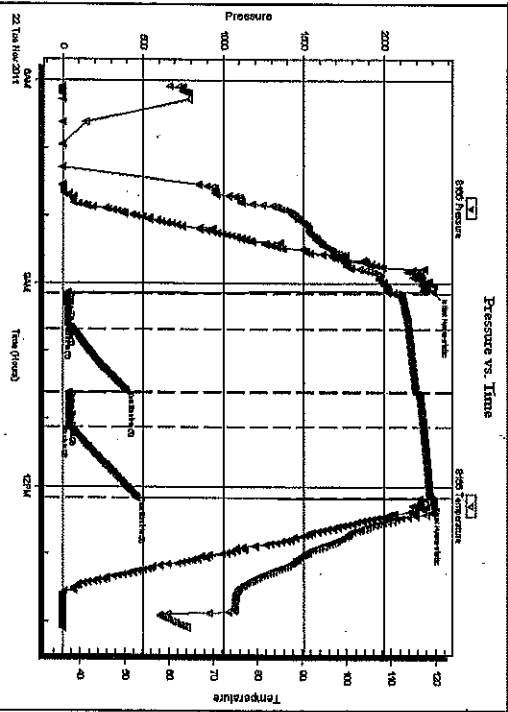
Formation: **Mississippi**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 09:08:42
 Time Test Ended: 14:05:57
 Interval: **4560.00 ft (KB) To 4625.00 ft (KB) (TVD)**
 Total Depth: **4625.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches**Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Chris Staats**
 Unit No: **34**
 Reference Elevations: **1380.00 ft (KB)**
1370.00 ft (CF)
10.00 ft
 KB to GRICE:

Serial #: 8166 **Outside**
 Press@RunDepth: **40.37 psig @ 4561.00 ft (KB)**
 Start Date: **2011.11.22** End Date:
 Start Time: **06:05:02** End Time:

Capacity: **8000.00 psig**
 Last Calib.: **2011.11.22**
 Time On Btm: **2011.11.22 @ 09:06:57**
 Time Off Btm: **2011.11.22 @ 12:12:12**

TEST COMMENT: FF: Strong blow BOB 4 min
 IS: Weak blow back 3 1/2"
 FF: Strong blow BOB 30 sec
 FS: No blow back



PRESSURE SUMMARY

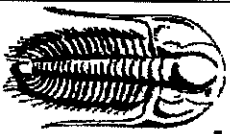
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.85	109.36	Initial Hydro-static
2	24.42	110.62	Open To Flow (1)
34	56.57	113.91	Shut-In(1)
90	399.06	115.53	End Shut-In(1)
91	34.75	115.53	Open To Flow (2)
121	40.37	117.24	Shut-In(2)
184	460.67	118.71	End Shut-In(2)
186	2254.66	119.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	900' GIP	0.00
60.00	Gassy Mud 2% gas 98% mud	0.30'

Gas Rates

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



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TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch D-3

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Job Ticket 44107

DST#:1

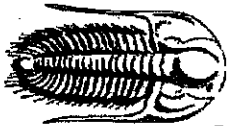
ATTN: Randy Newberry/Tim P

Test Start: 2011.11.22 @ 06:04:57

Tool Information

Drill Pipe:	Length: 4426.00 ft	Diameter:	3.80 Inches	Volume:	62.09 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:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter:	2.25 Inches	Volume:	0.58 bbl	Weight to Pull Loose:	80000.00 lb
				Total Volume:	62.67 bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:	5.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:	4560.00 ft					Final	70000.00 lb
Depth to Bottom Packer:	ft						
Interval between Packers:	65.00 ft						
Tool Length:	86.00 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			4540.00	
Shut In Tool	5.00			4545.00	
Hydraulic tool	5.00			4550.00	
Packer	5.00			4555.00	21.00 Bottom Of Top Packer
Packer	5.00			4560.00	
Stub	1.00			4561.00	
Recorder	0.00	6773	Outside	4561.00	
Recorder	0.00	8166	Outside	4561.00	
Perforations	5.00			4566.00	
Change Over Sub	0.50			4566.50	
Drill Pipe	30.00			4596.50	
Change Over Sub	0.50			4597.00	
Perforations	25.00			4622.00	
Bullnose	3.00			4625.00	65.00 Bottom Packers & Anchor
Total Tool Length:				86.00	



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FLUID SUMMARY

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Job Ticket: 44107

DST#: 1

ATTN: Randy Newberry/Tim P

Test Start: 2011.11.22 @ 06:04:57

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 6.39 in³
Resistivity: 0.00 ohm/m
Salinity: 3000.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API:
Water Salinity: ppm
deg API

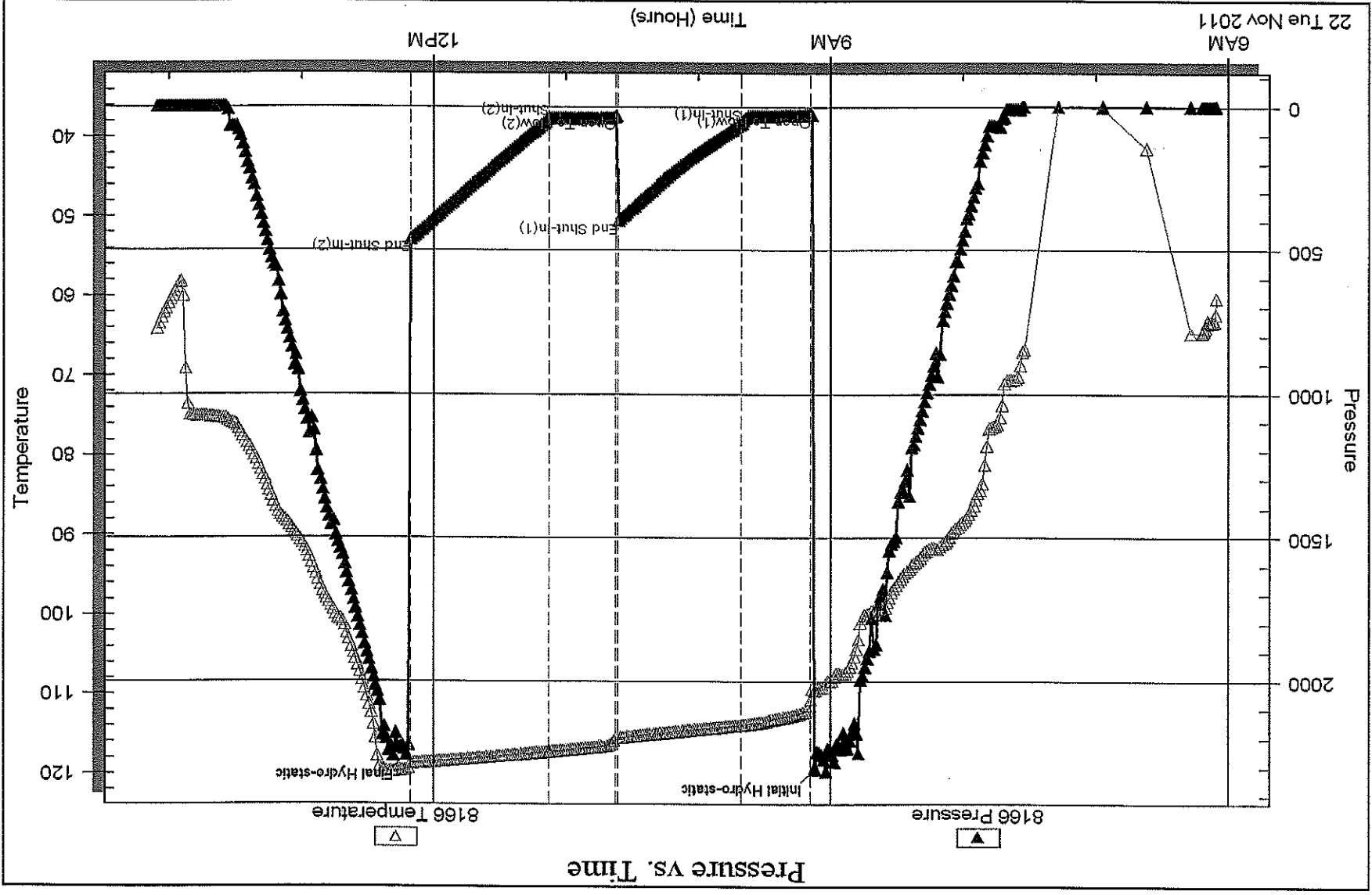
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	900' GIP	0.000
60.00	Gassy Mud 2% gas 98% mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



22 Tue Nov 2011

9AM

12PM

Time (Hours)

Pressure

Temperature

8166 Pressure

8166 Temperature

Pressure vs. Time

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