

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: 2011.10.02 @ 20:26:07

End Date: 2011.10.03 @ 05:19:52

Job Ticket #: 44064

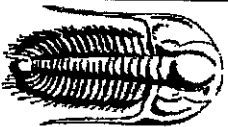
DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Printed: 2011.10.10 @ 15:16:25



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Job Ticket: 44064

DST#:1

ATTN: Randy Newberry/Tim

Test Start: 2011.10.02 @ 20:26:07

GENERAL INFORMATION:

Formation: **Misener Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:17:52
 Time Test Ended: 05:19:52
 Interval: **4894.00 ft (KB) To 4920.00 ft (KB) (TVD)**
 Total Depth: 4920.00 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: 1364.00 ft (KB)
 1364.00 ft (CF)
 10.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 151.35 psig @ 4895.00 ft (KB)

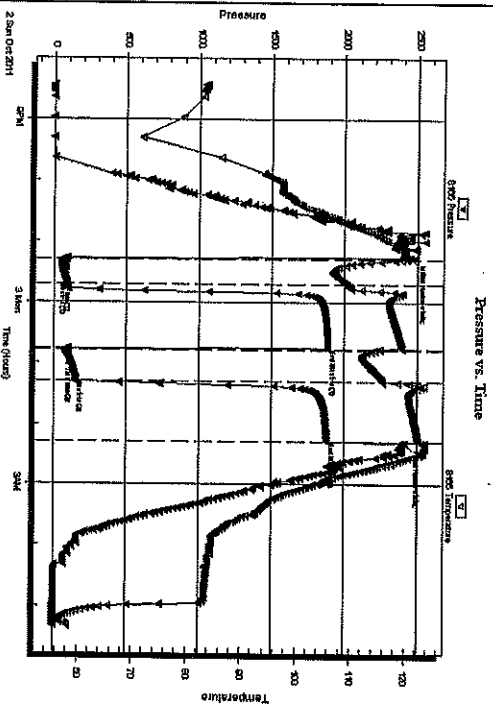
Capacity: 8000.00 psig

Start Date: 2011.10.02 End Date:
 Start Time: 20:26:12 End Time:

2011.10.03 Last Callb.: 2011.10.03
 05:19:52 Time On Bttr: 2011.10.02 @ 23:15:37
 Time Off Bttr: 2011.10.03 @ 02:18:37

TEST COMMENT:

IF: Strong blow BOB 30 sec GTS 10 min
 SI: Strong blow back 9"
 FF: Strong blow BOB 2 sec
 FS: Strong blow back 7"



PRESSURE SUMMARY

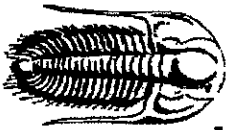
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.00	120.96	Initial Hydro-static
3	59.64	119.56	Open To Flow (1)
27	89.91	109.14	Shut-In(1)
90	1886.36	119.51	End Shut-In(1)
92	71.23	114.63	Open To Flow (2)
123	151.35	115.97	Shut-In(2)
182	1877.16	122.56	End Shut-In(2)
183	2411.97	123.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Slight mud cut Gassy-Condensation	3.12

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	24.00	60.92
Max. Gas Rate	0.25	24.00	60.92



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TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch B-8

PO Box 195

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Atlica, KS 67009

Job Ticket: 44064

DST#: 1

ATTN: Randy Newberry/Tim

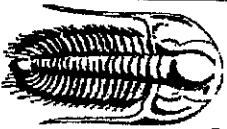
Test Start: 2011.10.02 @ 20:26:07

Tool Information

Drill Pipe:	Length: 4778.00 ft	Diameter: 3.80 inches	Volume: 67.02 bbl	Tool Weight: 2200.00 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>	Tool Chased 5.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4894.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	55.00 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			4866.00	
Shut In Tool	5.00			4871.00	
Hydraulic tool	5.00			4876.00	
Jars	5.00			4881.00	
Safety Joint	3.00			4884.00	
Packer	5.00			4889.00	29.00
					Bottom Of Top Packer
Packer	5.00			4894.00	
Stubb	1.00			4895.00	
Recorder	0.00	6773	Outside	4895.00	
Recorder	0.00	8166	Outside	4895.00	
Perforations	22.00			4917.00	
Bullnose	3.00			4920.00	26.00
					Bottom Packers & Anchor
Total Tool Length:				55.00	



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FLUID SUMMARY

N-10 Exploration LLC

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Job Ticket: 44064

DST#: 1

ATTN: Randy Newberry/ Tim

Test Start: 2011.10.02 @ 20:26:07

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 49.00 sec/cp
 Water Loss: 8.78 in³
 Resistivity: 0.00 ohm.m
 Salinity: 4000.00 ppm
 Filter Cake: 0.02 inches

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

Recovery Information

Recovery Table

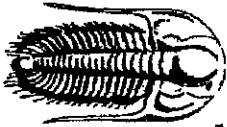
Length ft	Description	Volume bbl
300.00	Slight mud cut Gassy Condensation	3.115

Total Length: 300.00 ft Total Volume: 3.115 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



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GAS RATES

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Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	12	0.25	6.00	32.36
1	15	0.25	7.00	33.95
1	20	0.25	13.00	43.47
1	25	0.25	19.00	52.99
1	30	0.25	23.00	59.33
2	5	0.25	12.00	41.88
2	10	0.25	18.00	51.40
2	15	0.25	24.00	60.92

