

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

Box 195
Attica KS 67009

ATTN: Tim Pierce

Medicine River Ranch

10-34s-11w Barber,KS

Start Date: 2012.03.02 @ 01:00:00

End Date: 2012.03.02 @ 10:09:30

Job Ticket #: 41246 DST #: 1

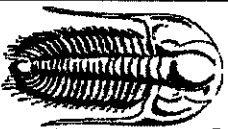
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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ORIGINAL

Printed: 2012.03.09 @ 15:52:39



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TESTING, INC

DRILL STEM TEST REPORT

N-10 Exploration LLC.

10-34s-11w Barber,KS

Box 195

Medicine River Ranch

Attica KS 67009

Job Ticket: 41246

DST#: 1

ATTN: Tim Perce

Test Start: 2012.03.02 @ 01:00:00

GENERAL INFORMATION:

Formation: **Meisner Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:15:15
 Time Test Ended: 10:09:30
 Interval: **4875.00 ft (KB) To 4895.00 ft (KB) (TVD)**
 Total Depth: **4895.00 ft (KB) (TVD)**
 Hole Diameter: **7.88** InchesHole Condition: Fair

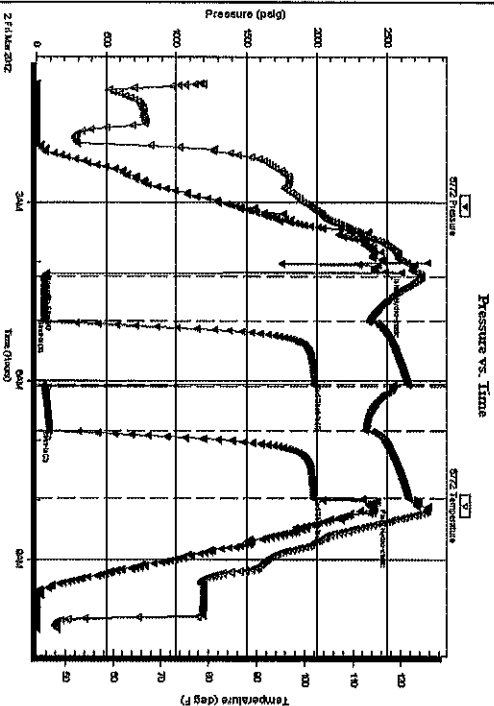
Test Type: Conventional Bottom Hole (Initial)
 Tester: Harley Davidson
 Unit No.: 58
 Reference Elevations: **1377.00 ft (KB)**
1367.00 ft (CF)
10.00 ft KB to GR/CF:

Serial #: 6772 Outside
 Press.@RunDepth: **93.84** psig @ **4877.00** ft (KB)
 Start Date: 2012.03.02 End Date: 2012.03.02
 Start Time: 01:00:05 End Time: 10:09:30

Capacity: 8000.00 psig
 Last Calc.: 2012.03.02
 Time On Btm: 2012.03.02 @ 04:10:15
 Time Off Btm: 2012.03.02 @ 08:03:15

TEST COMMENT: IF- Good building blow BOB 4 min GTS 35 min TSTM

ISL- No blow back.
 FF- Strong blow BOBASAO, GTS ASAO.
 FSI- No blow back.



PRESSURE SUMMARY

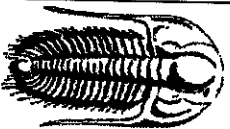
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2482.00	122.70	Initial Hydro-static
5	54.61	124.42	Open To Flow (1)
50	58.34	113.30	Shut-In(1)
113	1974.95	121.49	End Shut-In(1)
115	52.67	118.13	Open To Flow (2)
160	93.84	112.71	Shut-In(2)
228	1975.29	121.65	End Shut-In(2)
233	2385.81	123.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
195.00	15%oil 30%gas 55%mud	1.61

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	14.00	10.63
Max. Gas Rate	0.13	14.00	10.63



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TOOL DIAGRAM

N-10 Exploration LLC.
Box 195
Attica KS 67009
ATTN: Tim Perce

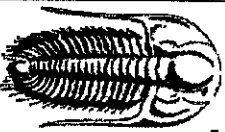
10-34s-11w Barber,KS
Medicine River Ranch
Job Ticket: 41246
DST#: 1
Test Start: 2012.03.02 @ 01:00:00

Tool Information

Drill Pipe:	Length: 4759.00 ft	Diameter: 3.80 inches	Volume: 66.76 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 120000.0 lb
		<u>Total Volume:</u>	<u>67.36 bbl</u>	<u>Tool Chased 0.00 ft</u>
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4875.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	20.00 ft			
Tool Length:	43.00 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			4853.00	
Shut In Tool	5.00			4858.00	
Hydraulic tool	5.00			4863.00	
Safety Joint	3.00			4866.00	
Packer	5.00			4871.00	23.00
					Bottom Of Top Packer
Packer	4.00			4875.00	
Stubb	1.00			4876.00	
Perforations	1.00			4877.00	
Recorder	0.00	8355	Inside	4877.00	
Recorder	0.00	6772	Outside	4877.00	
Perforations	15.00			4892.00	
Bullnose	3.00			4895.00	20.00
					Bottom Packers & Anchor
Total Tool Length:	43.00				



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FLUID SUMMARY

N-10 Exploration LLC

10-34s-11w Barber, KS

Box 195

Medicine River Ranch

Atlica KS 67009

Job Ticket: 41246

DST#: 1

ATTN: Tim Perce

Test Start: 2012.03.02 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume:		
Water Loss: 9.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		psig
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

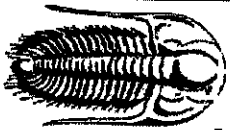
Length ft	Description	Volume bbl
195.00	15%oil 30%gas 55%mud	1.615

Total Length: 195.00 ft Total Volume: 1.615 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



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GAS RATES

N-10 Exploration LLC.

10-34s-11w Barber,KS

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Job Ticket: 41246

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Test Start: 2012.03.02 @ 01:00:00

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)
2	10	0.13	5.00	7.26
2	10	0.13	5.00	7.26
2	20	0.13	9.00	8.76
2	30	0.13	12.00	9.88
2	40	0.13	14.00	10.63

Pressure vs. Time

