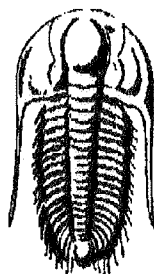


15-007-23525

21-34s-11w

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

P.O. Box 195
Attica, KS 67009

ATTN: Tim Pierce

21-34s-11w Barber KS

Medicine River Ranch #A1

Start Date: 2010.04.07 @ 00:56:00

End Date: 2010.04.07 @ 10:43:00

Job Ticket #: 36261 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

N-10 Exploration, LLC

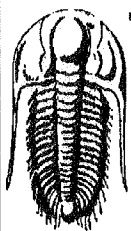
Medicine River Ranch #A1

21-34s-11w Barber KS

DST # 1

MISSISSIPPIAN

2010.04.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

N-10 Exploration, LLC

P.O. Box 195
Attica, KS 67009

ATTN: Tim Pierce

Medicine River Ranch #A1

21-34s-11w Barber KS

Job Ticket: 36261

DST#: 1

Test Start: 2010.04.07 @ 00:56:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:18:30

Time Test Ended: 10:43:00

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4612.00 ft (KB) To 4637.00 ft (KB) (TVD)**

Total Depth: 4637.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1351.00 ft (KB)

1341.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8648

Inside

Press@RunDepth: 100.85 psig @ 4613.00 ft (KB)

Start Date: 2010.04.07

End Date: 2010.04.07

Start Time: 00:56:05

End Time: 10:43:00

Capacity: 8000.00 psig

Last Calib.: 2010.04.07

Time On Btm: 2010.04.07 @ 04:14:30

Time Off Btm: 2010.04.07 @ 07:49:10

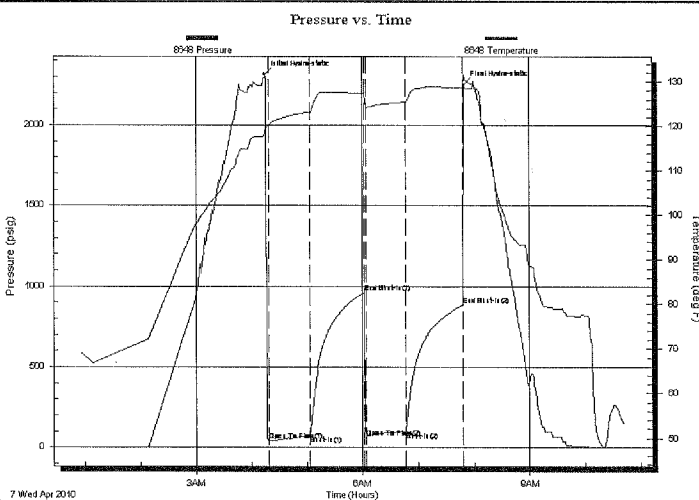
TEST COMMENT: IF: Strong blow, BOB in 10 seconds, GTS in 25 minutes.

ISI: Bled off, no blow back.

FF: Strong blow, BOB in 5 seconds.

FSI: Bled off, no blow back.

PRESSURE SUMMARY



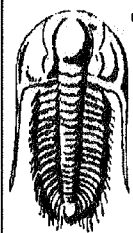
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.92	118.51	Initial Hydro-static
4	42.20	120.16	Open To Flow (1)
50	77.27	123.25	Shut-In(1)
109	962.65	127.43	End Shut-In(1)
110	63.72	124.23	Open To Flow (2)
153	100.85	125.45	Shut-In(2)
214	886.40	128.75	End Shut-In(2)
215	2249.06	131.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HGCMCWO 30%g 15%m 20%w 35%o	0.30
60.00	HGCOWM 30%g 20%o 25%w 25%m	0.30
62.00	HGCWCWO 25%g 15%w 25%m 30%o	0.87
45.00	GOWCM 10%g 10%o 15%w 65%m	0.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	11.00	9.51
Max. Gas Rate	0.13	11.00	9.51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration, LLC

Medicine River Ranch #A1

P.O. Box 195
Attica, KS 67009

21-34s-11w Barber KS

Job Ticket: 36261

DST#: 1

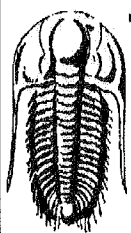
ATTN: Tim Pierce

Test Start: 2010.04.07 @ 00:56:00

Tool Information

Drill Pipe:	Length: 4490.00 ft	Diameter: 3.80 inches	Volume: 62.98 bbl	Tool Weight: 2500.00 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: 80000.00 lb
			<u>Total Volume: 63.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4612.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4597.00	
Hydraulic tool	5.00			4602.00	
Packer	5.00			4607.00	20.00 Bottom Of Top Packer
Packer	5.00			4612.00	
Stubb	1.00			4613.00	
Recorder	0.00	8648	Inside	4613.00	
Recorder	0.00	6799	Inside	4613.00	
Perforations	19.00			4632.00	
Bullnose	5.00			4637.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration, LLC

Medicine River Ranch #A1

P.O. Box 195
Attica, KS 67009

21-34s-11w Barber KS

Job Ticket: 36261

DST#: 1

ATTN: Tim Pierce

Test Start: 2010.04.07 @ 00:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.98 in³

Resistivity: 4000.00 ohm.m

Salinity: ppm

Filter Cake: 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
60.00	HGCMCWO 30%g 15%m 20%w 35%o	0.295
60.00	HGCOWM 30%g 20%o 25%w 25%m	0.295
62.00	HGCWCMO 25%g 15%w 25%m 30%o	0.870
45.00	GOWCM 10%g 10%o 15%w 65%m	0.631

Total Length: 227.00 ft

Total Volume: 2.091 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

