

DRILL STEM TEST REPORT

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

124 N. Main
Attica KS 67009

ATTN: Tim Pierce

10-34s-11w Barber KS

Medicine River Ranch #D-11

Start Date: 2013.04.24 @ 23:16:52

End Date: 2013.04.25 @ 07:25:22

Job Ticket #: 50967 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.04.29 @ 11:25:05

N-10 Exploration LLC Medicine River Ranch #D-11 10-34s-11w Barber KS DST # 1 Misener Sand 2013.04.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

N-10 Exploration LLC

Medicine River Ranch #D-11

124 N. Main
Attica KS 67009

10-34s-11w Barber KS

Job Ticket: 50967

DST#: 1

ATTN: Tim Pierce

Test Start: 2013.04.24 @ 23:16:52

GENERAL INFORMATION:

Formation: **Misener Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:30:37

Time Test Ended: 07:25:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4840.00 ft (KB) To 4855.00 ft (KB) (TVD)

Total Depth: 4855.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1351.00 ft (KB)

1341.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8352

Inside

Press@RunDepth: 20.81 psig @ 4841.00 ft (KB)

Start Date: 2013.04.24

End Date:

2013.04.25

Start Time: 23:16:57

End Time:

07:25:21

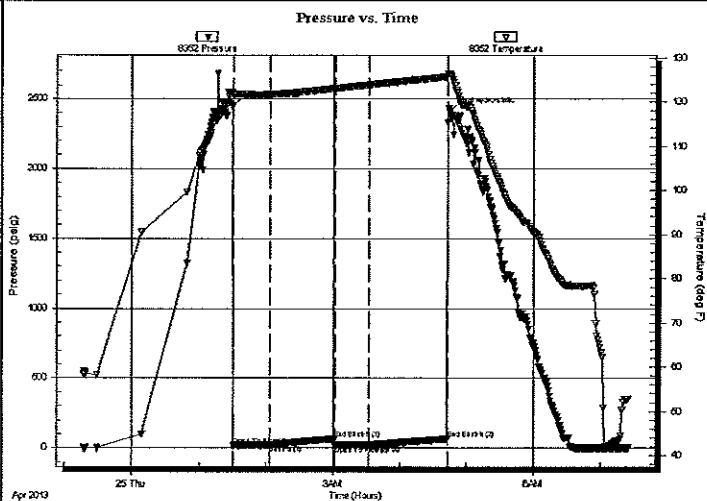
Capacity: 8000.00 psig

Last Calib.: 2013.04.25

Time On Btm: 2013.04.25 @ 01:29:37

Time Off Btm: 2013.04.25 @ 04:45:07

TEST COMMENT: IF:Weak blow . 1/2 - 1".
IS:No blow.
FF:Weak surface blow . Dead in 12 mins.
FS:No blow.



PRESSURE SUMMARY

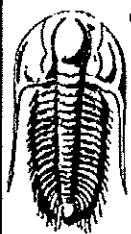
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2440.46	122.16	Initial Hydro-static
1	18.42	121.51	Open To Flow (1)
34	20.29	121.71	Shut-In(1)
92	63.54	123.04	End Shut-In(1)
92	16.45	123.02	Open To Flow (2)
122	20.81	123.87	Shut-In(2)
194	62.98	125.70	End Shut-In(2)
196	2405.78	126.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig.mud (good odor)	0.07
0.00	45 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration LLC

Medicine River Ranch #D-11

124 N. Main
Attica KS 67009

10-34s-11w Barber KS

Job Ticket: 50967

DST#: 1

ATTN: Tim Pierce

Test Start: 2013.04.24 @ 23:16:52

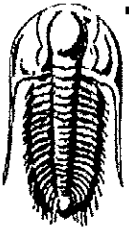
Tool Information

Drill Pipe:	Length: 4705.00 ft	Diameter: 3.80 inches	Volume: 66.00 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 66.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4840.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4821.00	
Shut in tool	5.00			4826.00	
HMV	5.00			4831.00	
Packer	4.00			4835.00	20.00 Bottom Of Top Packer
Packer	5.00			4840.00	
Stubb	1.00			4841.00	
Recorder	0.00	8352	Inside	4841.00	
Recorder	0.00	8370	Outside	4841.00	
Perforations	9.00			4850.00	
Bullnose	5.00			4855.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration LLC

Medicine River Ranch #D-11

124 N. Main
Attica KS 67009

10-34s-11w Barber KS

Job Ticket: 50967

DST#: 1

ATTN: Tim Pierce

Test Start: 2013.04.24 @ 23:16:52

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	4000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drig.mud (good odor)	0.074
0.00	45 ft.of GIP	0.000

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

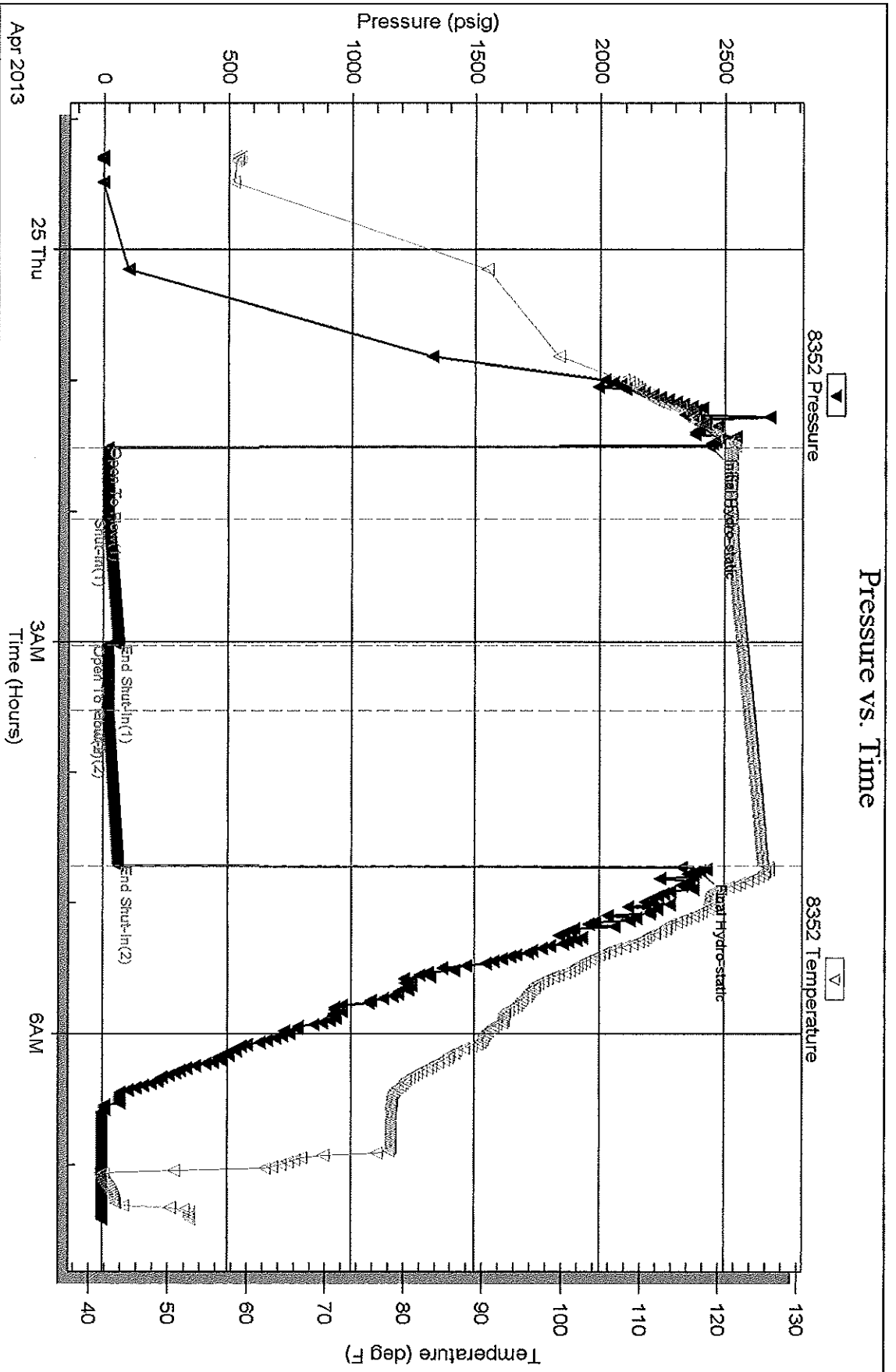
Inside

N-10 Exploration LLC

10-34s-11w Barber KS

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50967

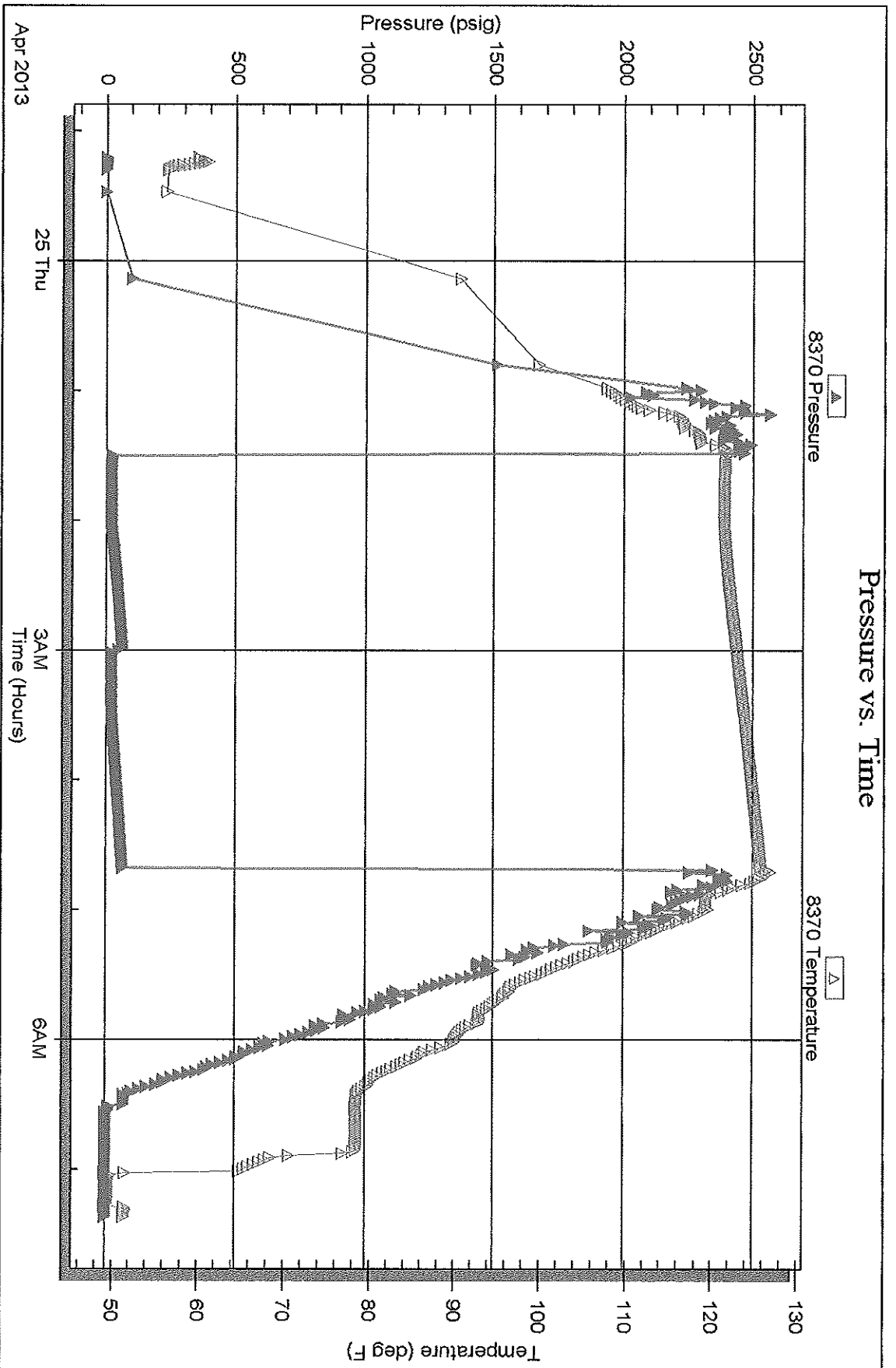
Printed: 2013.04.29 @ 11:25:07

Serial #: 8370

Outside N-10 Exploration LLC

10-34s-11w Barber KS

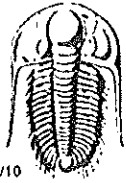
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 50967

Printed: 2013.04.29 @ 11:25:08



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50967

Well Name & No. MEDICINE RIVER RANCH D-11 Test No. 1 Date 4-24-13
 Company N-10 EXPLORATION LLC Elevation 1351 KB 1341 GL
 Address 124 N. MAIN, ATTICA KS. 67009
 Co. Rep / Geo. TIM PIERCE Rig HARDY DRILLING #1
 Location: Sec. 10 Twp. 34S Rge. 11W Co. BARBER State Ks.

Interval Tested 4840 - 4855' Zone Tested MEISNER SD
 Anchor Length 15' Drill Pipe Run 4705' Mud Wt. 9.5
 Top Packer Depth 4835' Drill Collars Run 120' Vis 50
 Bottom Packer Depth 4840' Wt. Pipe Run 0 WL 9.6cc
 Total Depth 4855' Chlorides 4,000 ppm System LCM 6#
 Blow Description IF; Water blow. 1/2 - 1" FSI; No blow.

FF; Weak surface blow. Dead in 12 mins. FSI; No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>G-SP</u>				
<u>15</u>	<u>Daily Mud (good color)</u>				

Rec Total 15 FEWD BHT 116° Gravity N/A API RW N.C. @ ~ ° F Chlorides 4,000 ppm

(A) Initial Hydrostatic <u>2440</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>2240</u>
(B) First Initial Flow <u>18</u>	<input type="checkbox"/> Jars	T-Started <u>2316</u>
(C) First Final Flow <u>20</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0130</u>
(D) Initial Shut-In <u>64</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0430</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0725</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>(110)</u> <u>170.50</u>	Comments
(G) Final Shut-In <u>63</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2406</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1420.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1420.50</u>	

Approved By Tim Pierce Our Representative Cam P... ..

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.