

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **N-10 Exploration**

PO Box 195
Attica KS 67009

ATTN: Tim Pierce

Medicine River F#1

14-34s-11w Barber,KS

Start Date: 2012.11.04 @ 09:18:02

End Date: 2012.11.04 @ 16:27:32

Job Ticket #: 49730 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.11.15 @ 14:33:21



TRIBOLITE
TESTING, INC

DRILL STEM TEST REPORT

N-10 Exploration
PO Box 195
Attica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber,KS
Medicine River F#1
Job Ticket: 49730
DST#: 1
Test Start: 2012.11.04 @ 09:18:02

GENERAL INFORMATION:

Formation: Miss.
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:58:47
Time Test Ended: 16:27:32
Interval: 4840.00 ft (KB) To 4868.00 ft (KB) (TVD)
Total Depth: 4868.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches-Hole Condition: Poor

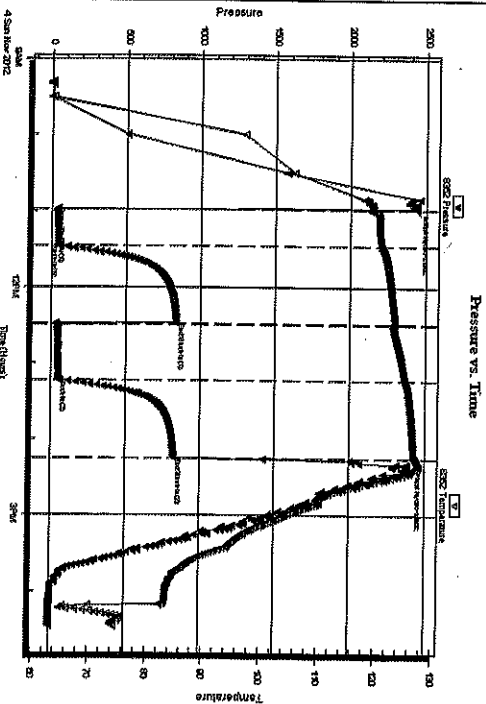
Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoleaux
Unit No: 56
Reference Elevations: 1379.00 ft (KB)
1369.00 ft (CF)
10.00 ft
KB to GR/CF:

Serial #: 8352 Inside
Press@RunDepth: 51.04 psig @ 4841.00 ft (KB)
Start Date: 2012.11.04 End Date: 2012.11.04
Start Time: 09:18:07 End Time: 16:27:31

Capacity: 8000.00 psig
Last Calib.: 2012.11.04
Time On Bltn: 2012.11.04 @ 10:57:02
Time Off Bltn: 2012.11.04 @ 14:19:47

TEST COMMENT: IF: Strong blow. B.O.B. in 4 mins. Slid tool 4 ft. to bltn.

ISL: No blow.
FF: Strong blow. B.O.B. in 2-3 secs.
FSI: No blow.



PRESSURE SUMMARY

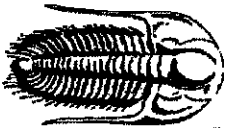
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2419.78	119.52	Initial Hydro-static
2	36.72	119.09	Open To Flow (1)
31	47.61	121.02	Shut-In(1)
92	839.65	123.49	End Shut-In(1)
93	26.12	123.23	Open To Flow (2)
137	51.04	125.26	Shut-In(2)
198	825.36	126.91	End Shut-In(2)
203	2381.60	127.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	GCM 16%gd 84%nr/Trace of oil	0.62
0.00	3500 ft.of GIP	0.00

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Wcf/d)



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N-10 Exploration
PO Box 195
Atica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49730
DST#: 1
Test Start: 2012.11.04 @ 09:18:02

GENERAL INFORMATION:

Formation: Miss.
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:58:47
Time Test Ended: 16:27:32
Interval: 4840.00 ft (KB) To 4868.00 ft (KB) (TVD)
Total Depth: 4868.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

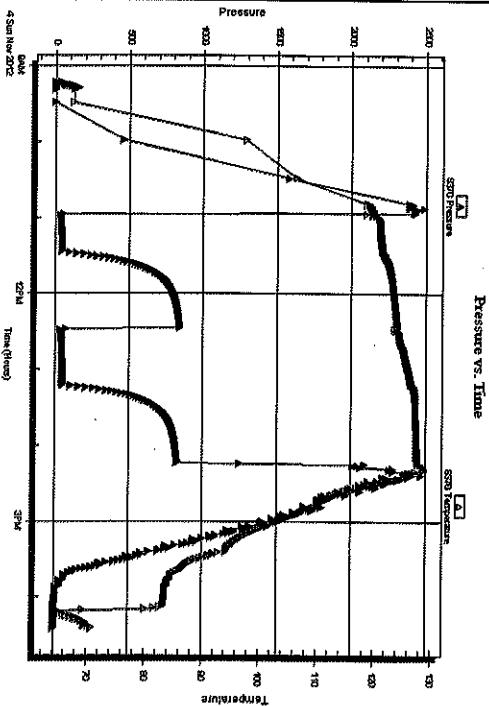
Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56
Reference Elevations: 1379.00 ft (KB)
1369.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8370 Outside
Press@RunDepth: psig @ 4841.00 ft (KB)
Start Date: 2012.11.04 End Date: 2012.11.04
Start Time: 09:12:55 End Time: 16:24:34
Time Off Bltn:

Capacity: 8000.00 psig
Last Callb.: 2012.11.04
Time On Bltn:
Time Off Bltn:

TEST COMMENT: IF: Strong blow. B.O.B. in 4 mins. Slid tool 4 ft. to bltn.

ISL: No blow.
FF: Strong blow. B.O.B. in 2-3 secs.
FSI: No blow.



PRESSURE SUMMARY

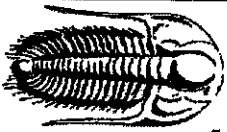
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
122.00	GOM 16%g 84%r Trace of oil	0.62
0.00	3500 ft. of GIP	0.00

Gas Rates

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



TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

N-10 Exploration
PO Box 195
Attica KS 67009
ATTN: Tim Pierce

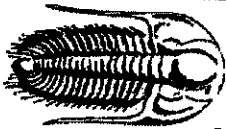
14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49730 DST#: 1
Test Start: 2012.11.04 @ 09:18:02

Tool Information

Drill Pipe:	Length: 4704.00 ft	Diameter: 3.80 inches	Volume: 65.98 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: 113000.0 lb
			<u>Total Volume:</u> 66.57 bbl	Tool Crased 4.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4840.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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	
HMW	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	22.00			4863.00	
Bullnose	5.00			4868.00	28.00
					Bottom Packers & Anchor
Total Tool Length:	48.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration
PO Box 195
Atlica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49730
DST#: 1
Test Start: 2012.11.04 @ 09:18:02

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 9.58 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: deg API
Water Salinity: 4000 ppm

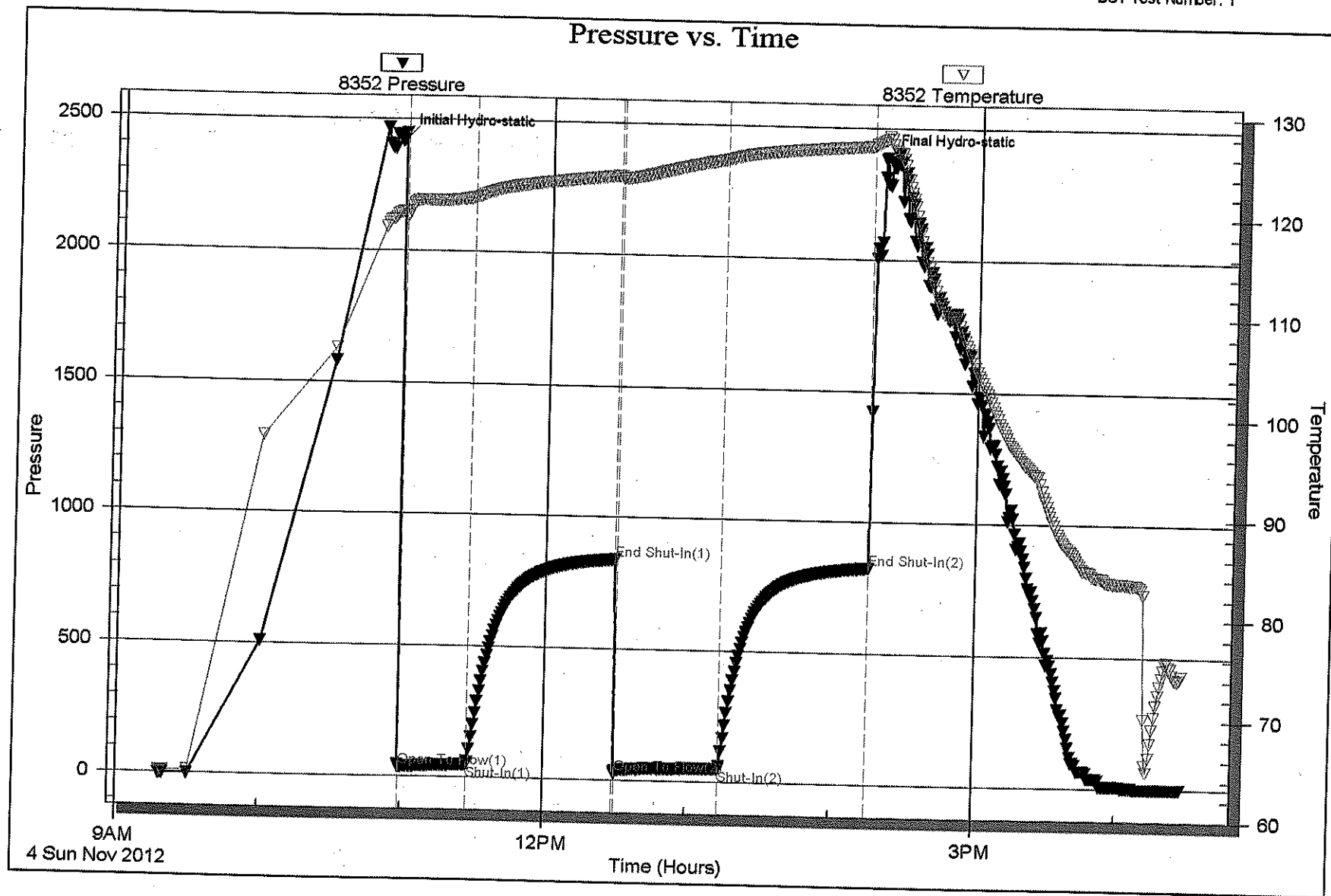
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	GCM 16%g 84%MTTrace of oil	0.618
0.00	3500 ft.of GFP	0.000

Total Length: 122.00 ft Total Volume: 0.618 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name:
Laboratory Location:
Recovery Comments: LCM 5#/bbl

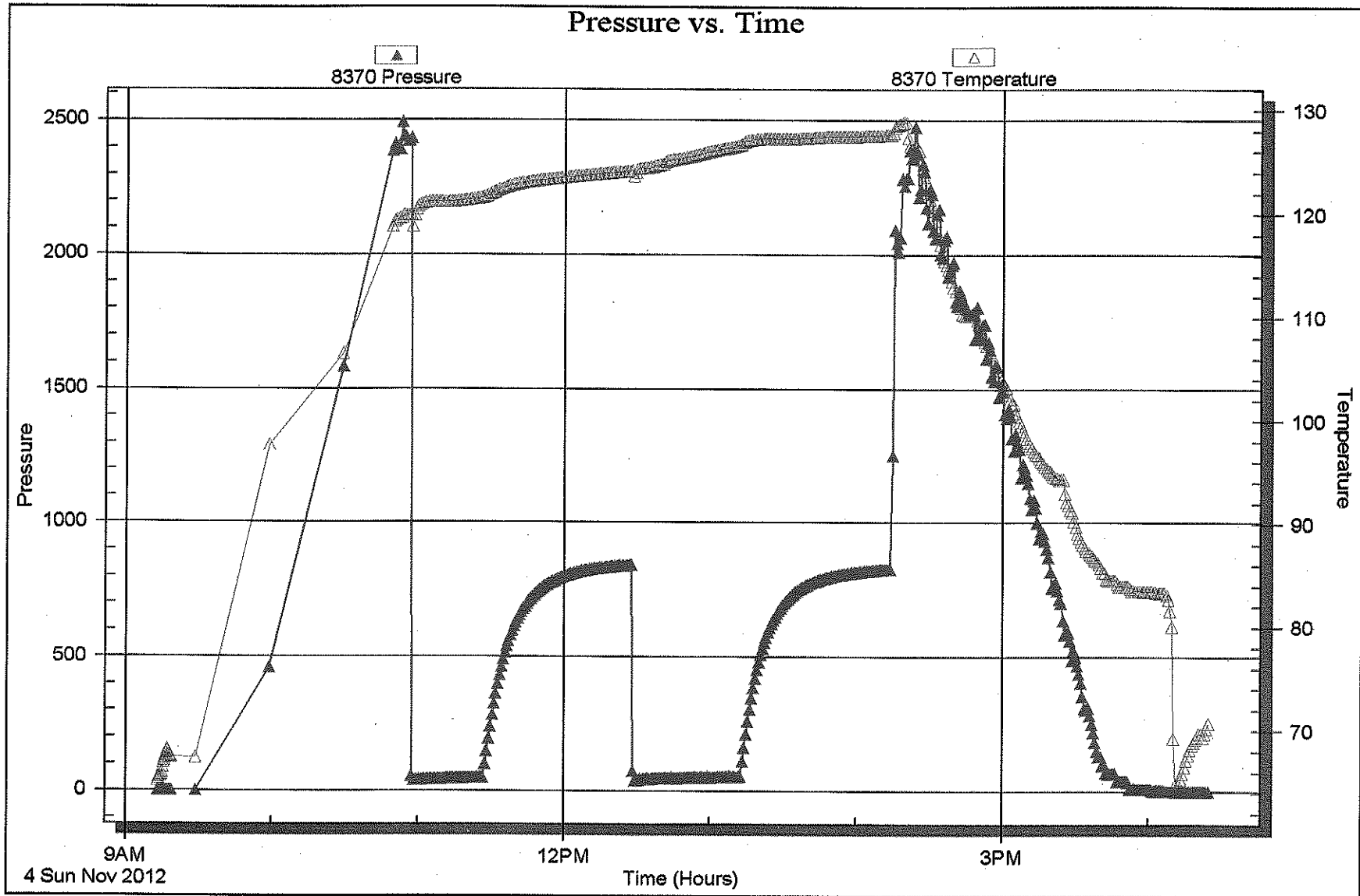


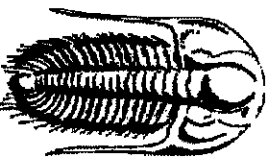
Serial #: 8370

Outside N-10 Exploration

Medicine River F#1

DST Test Number: 1





TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **N-10 Exploration**

PO Box 196
Attica KS 67009

ATTN: Tim Pierce

Medicine River F#1

14-34s-11w Barber,KS

Start Date: 2012.11.04 @ 23:57:14

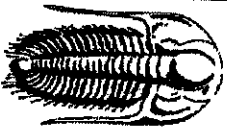
End Date: 2012.11.05 @ 08:15:29

Job Ticket #: 49731 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

N-10 Exploration
PO Box 195
Atlica KS 67009
ATTN: Tim Perce

14-34s-11w Barber, KS

Medicine River F#1

Job Ticket: 49731

DST#: 2

Test Start: 2012.11.04 @ 23:57:14

GENERAL INFORMATION:

Formation: **Misner Sd.**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 02:35:59
Time Test Ended: 08:15:29

Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Gary Pavotiaux**
Unit No: **56**

Interval: **4873.00 ft (KB) To 4930.00 ft (KB) (TVD)**
Total Depth: **4930.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches**Hole Condition: **Poor**

Reference Elevations: **1379.00 ft (KB)**
1369.00 ft (CF)
10.00 ft

Serial #: 8352

Inside

Press@RunDepth: **19.34 psig @ 4874.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.11.04**

End Date: **2012.11.05**

Last Callb.: **2012.11.05**

Start Time: **23:57:19**

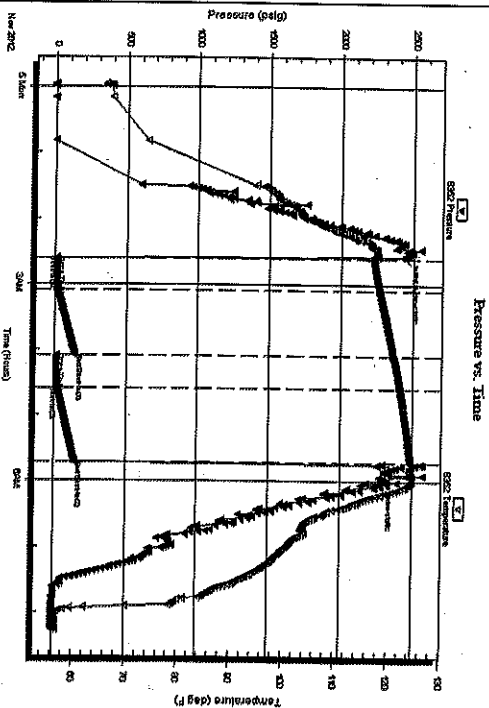
End Time: **08:15:28**

Time On Btm: **2012.11.05 @ 02:34:44**

Time Off Btm: **2012.11.05 @ 05:44:29**

TEST COMMENT:

FF:Weak blow . 1/2 - 1 1/4"
SI:No blow.
FF:Weak blow . 1/2 - 1 3/4".
FSI:No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2436.08	117.93	Initial Hydro-static
2	17.24	116.42	Open To Flow (1)
31	16.49	118.26	Shut-In (1)
90	141.46	120.96	End Shut-In(1)
91	14.94	120.91	Open To Flow (2)
121	19.34	122.28	Shut-In(2)
189	144.53	124.44	End Shut-In(2)
190	2262.23	126.81	Final Hydro-static

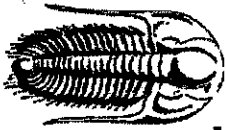
Recovery

Length (ft)	Description	Volume (bb)
6.00	Heavy Mud	0.03
0.00	85 ft. of GIP	0.00

*Recovery from multiple tests

Gas Rates

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



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N-10 Exploration
PO Box 195
Attica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49731
DST#: 2
Test Start: 2012.11.04 @ 23:57:14

GENERAL INFORMATION:

Formation: **Misner Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:35:59
Time Test Ended: 08:15:29

Test Type: Conventional Bottom Hole (Faset)
Tester: Gary Pevoleaux
Unit No: 56

Interval: **4873.00 ft (KB) To 4930.00 ft (KB) (TVD)**
Total Depth: 4930.00 ft (KB) (TVD)
Hole Diameter: 7.88 inch-Hole Condition: Poor

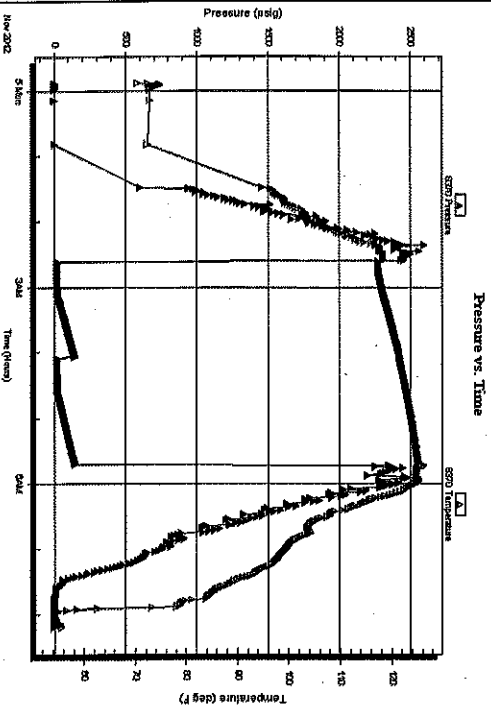
Reference Elevations: 1379.00 ft (KB)
1369.00 ft (CF)
10.00 ft
KB to GR/CF:

Serial #: 8370 Outside
Press.@RunDepth: psig @ 4874.00 ft (KB)
Start Date: 2012.11.04 End Date:
Start Time: 23:52:53 End Time:

Capacity: 8000.00 psig
Last Callb.: 2012.11.05
Time On Btm: 08:12:17
Time Off Btm:

TEST COMMENT: F:Weak blow . 1/2 - 1 1/4"

IS:No blow.
FE:Weak blow . 1/2 - 1 3/4"
FS:No blow.



PRESSURE SUMMARY

Time (Mm.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Heavy Mud	0.03
0.00	85 ft. of GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

TOOL DIAGRAM

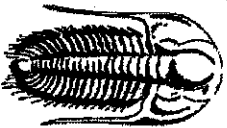
N-10 Exploration
PO Box 195
Atlica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49731
DST#: 2
Test Start: 2012.11.04 @ 23:57.14

Tool Information

Drill Pipe: Length: 4736.00 ft Diameter: 3.80 inches Volume: 66.43 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: 90000.00 lb
 Drill Pipe Above KB: 3.00 ft Total Volume: 67.02 bbl Tool Chased: 0.00 ft
 Depth to Top Packer: 4873.00 ft String Weight: Initial 72000.00 lb
 Depth to Bottom Packer: ft Final 74000.00 lb
 Interval between Packers: 57.00 ft
 Tool Length: 77.00 ft
 Number of Packers: 2 Diameter: 6.75 inches
 Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4854.00	
Shut in tool	5.00			4859.00	
HMV	5.00			4864.00	
Packer	4.00			4868.00	20.00 Bottom Of Top Packer
Packer	5.00			4873.00	
Stub	1.00			4874.00	
Recorder	0.00	8352	Inside	4874.00	
Recorder	0.00	8370	Outside	4874.00	
Perforations	5.00			4879.00	
Blank Spacing	31.00			4910.00	
Perforations	15.00			4925.00	
Bullnose	5.00			4930.00	57.00 Bottom Packers & Anchor
Total Tool Length:				77.00	



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DRILL STEM TEST REPORT

FLUID SUMMARY

N-10 Exploration
PO Box 195
Atlica KS 67009
ATTN: Tim Pierce

14-34s-11w Barber, KS
Medicine River F#1
Job Ticket: 49731
DST#: 2
Test Start: 2012.11.04 @ 23:57:14

Mud and Cushion Information

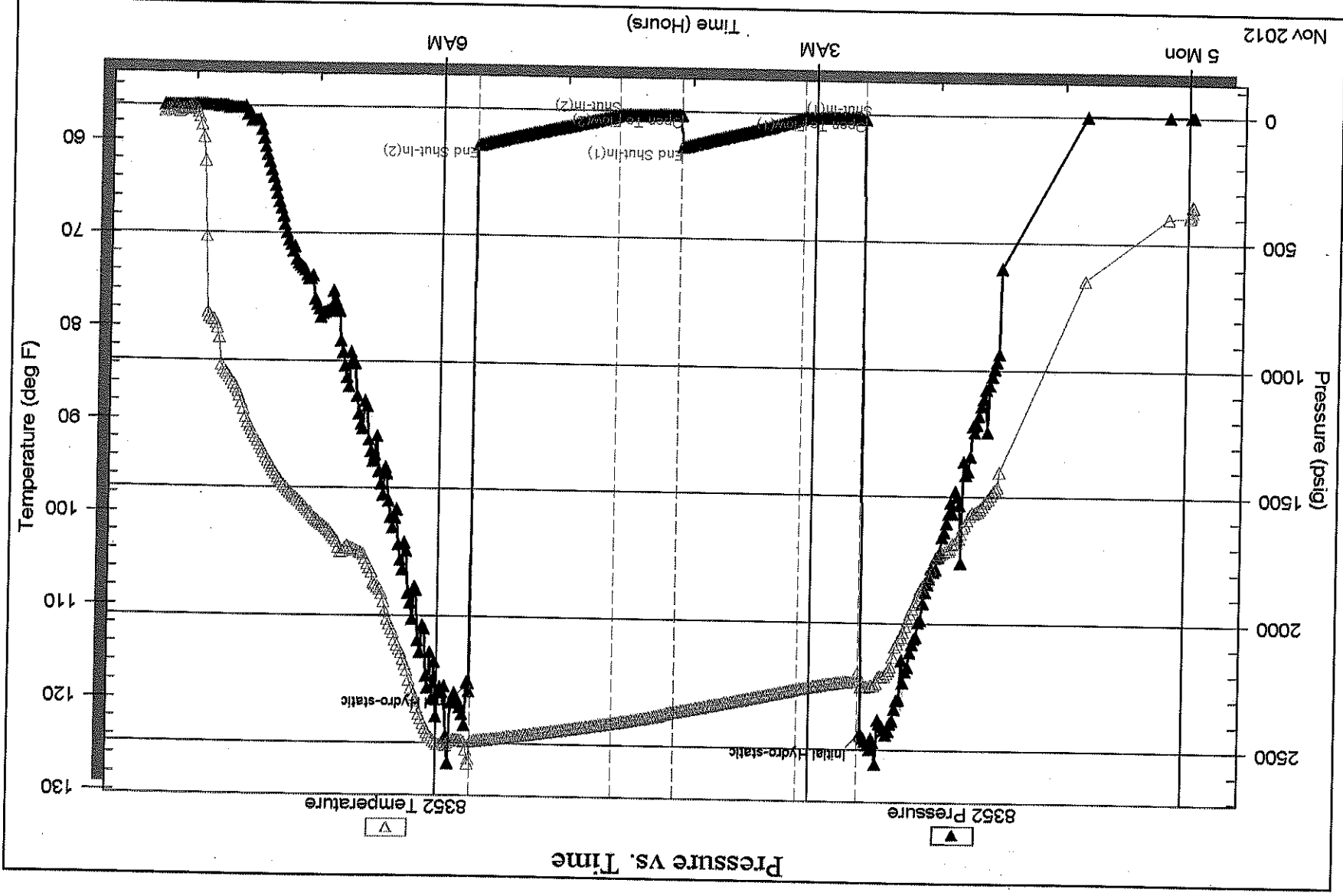
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	4000 ppm
Viscosity: 70.00 sec/qt	Cushion Volume:		bbl
Water Loss: 9.57 in ³	Gas Cushion Type:		psig
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Heavy Mud	0.030
0.00	85 ft. of GIP	0.000

Total Length: 6.00 ft Total Volume: 0.030 bbl
 Num Fluid Samples: 0 Num Gas Bortbs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

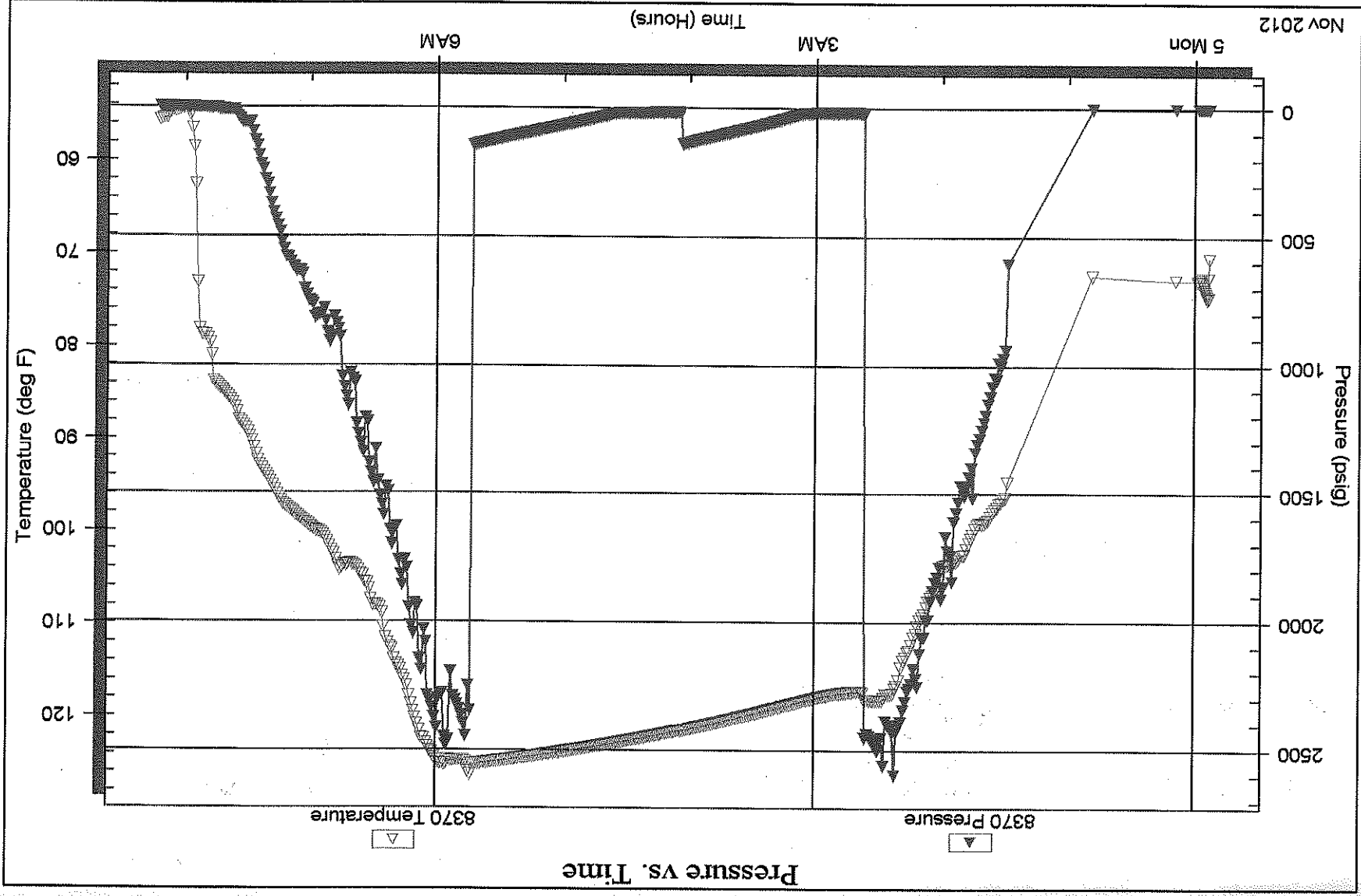


Serial #: 8370

Outside N-10 Exploration

Medicine River #41

DST Test Number: 2



Triobike Testing, Inc

Ref. No.: 49731

Printed: 2012.11.15 @ 14:31:55