

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

13-34s-9w Harper,KS

Patterson #2-13

Start Date: 2010.10.31 @ 16:36:00
End Date: 2010.10.31 @ 21:21:20
Job Ticket #: 39467 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39467 DST#: 1

Test Start: 2010.10.31 @ 16:36:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:37:20
Time Test Ended: 21:21:20

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

Interval: 4554.00 ft (KB) To 4608.00 ft (KB) (TVD)
Total Depth: 4608.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

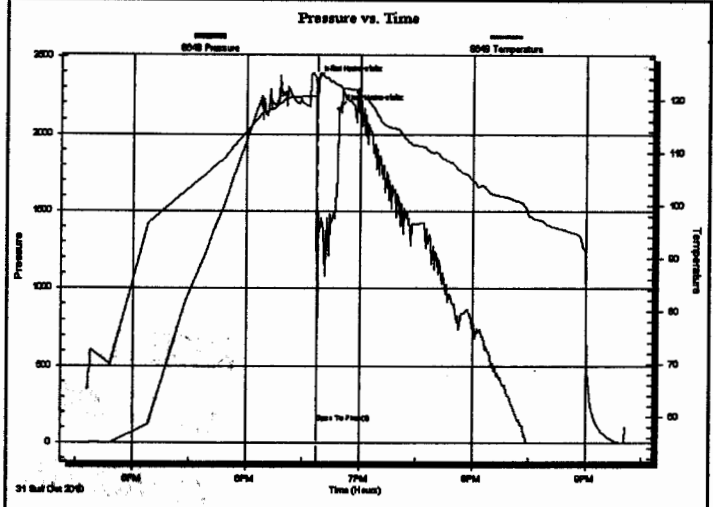
Reference Elevations: 1305.00 ft (KB)
1295.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**

Press@RunDepth: psig @ 4555.00 ft (KB)
Start Date: 2010.10.31 End Date: 2010.10.31
Start Time: 16:36:05 End Time: 21:21:20

Capacity: 8000.00 psig
Last Calib.: 2010.10.31
Time On Btm: 2010.10.31 @ 18:37:00
Time Off Btm: 2010.10.31 @ 18:48:20

TEST COMMENT: Packer Failure Mis-run



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.96	120.72	Initial Hydro-static
1	131.80	119.80	Open To Flow (1)
12	2165.35	122.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1890.00	MUD (DROPPED BAR)	26.51

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39467 **DST#: 1**

Test Start: 2010.10.31 @ 16:36:00

Tool Information

Drill Pipe:	Length:	4555.00 ft	Diameter:	3.80 inches	Volume:	63.89 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	63.89 bbl	

Drill Pipe Above KB:	21.00 ft
Depth to Top Packer:	4554.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	54.00 ft
Tool Length:	74.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2500.00 lb
Weight set on Packer:		50000.00 lb
Weight to Pull Loose:		110000.0 lb
Tool Chased		0.00 ft
String Weight:	Initial	60000.00 lb
	Final	72000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4539.00		
Hydraulic tool	5.00			4544.00		
Packer	5.00			4549.00	20.00	Bottom Of Top Packer
Packer	5.00			4554.00		
Stubb	1.00			4555.00		
Recorder	0.00	8648	Inside	4555.00		
Recorder	0.00	6799	Inside	4555.00		
Perforations	10.00			4565.00		
Blank Spacing	33.00			4598.00		
Perforations	5.00			4603.00		
Bullnose	5.00			4608.00	54.00	Bottom Packers & Anchor
Total Tool Length:	**74.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39467 **DST#: 1**

Test Start: 2010.10.31 @ 16:36:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

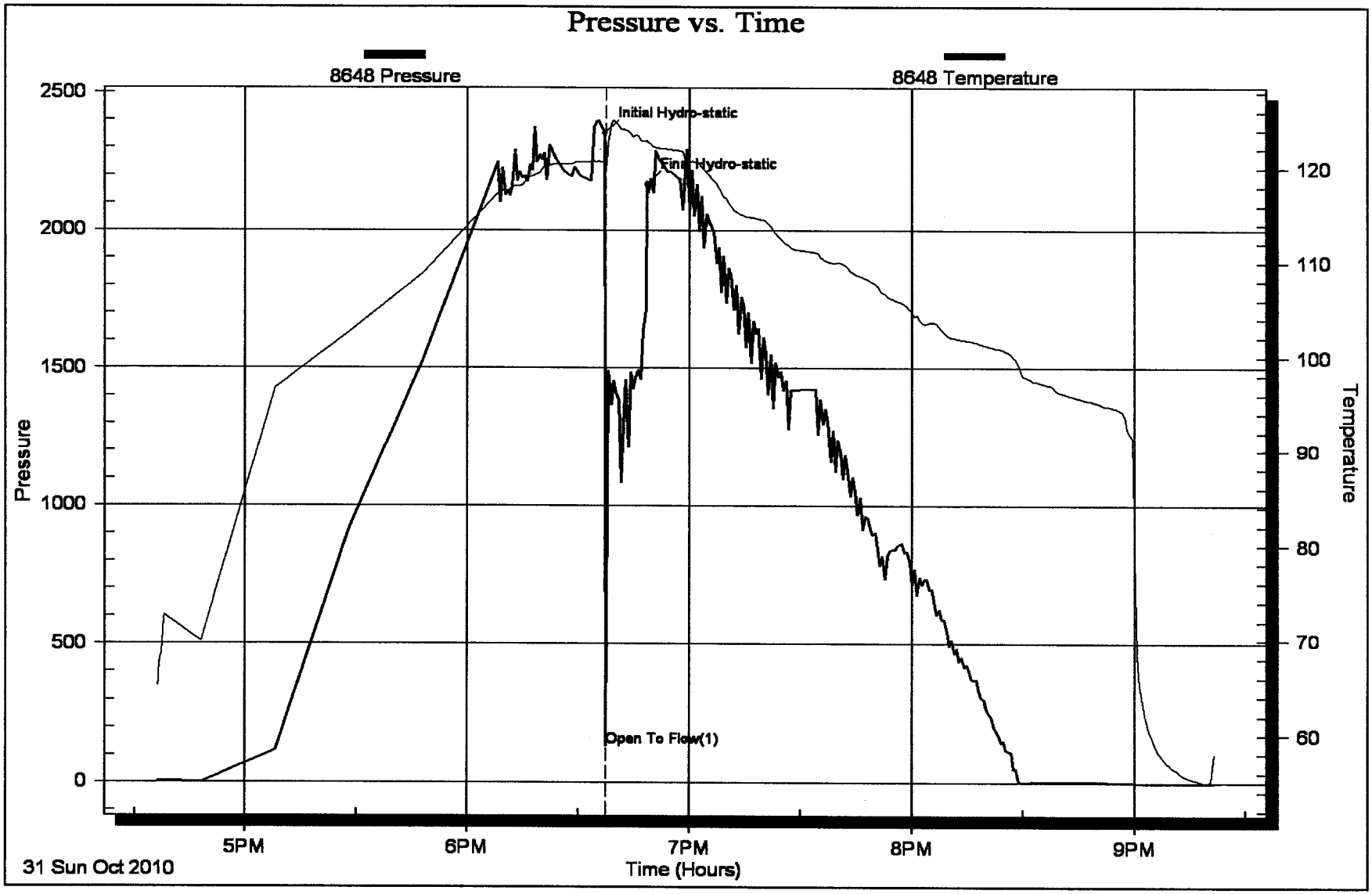
Length ft	Description	Volume bbl
1890.00	MUD (DROPPED BAR)	26.512

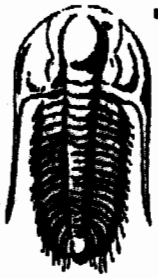
Total Length: 1890.00 ft Total Volume: 26.512 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8648 Pressure
8648 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Pressure
Temperature
2500
2000
1500
1000
500
0
120
110
100
90
80
70
60
5PM
6PM
7PM
8PM
9PM
Time (Hours)
31 Sun Oct 2010



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

13-34s-9w Harper,KS

Patterson #2-13

Start Date: 2010.10.31 @ 21:35:00
End Date: 2010.11.01 @ 06:43:19
Job Ticket #: 39468 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39468 **DST#: 2**

Test Start: 2010.10.31 @ 21:35:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:41:40
Time Test Ended: 06:43:19

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

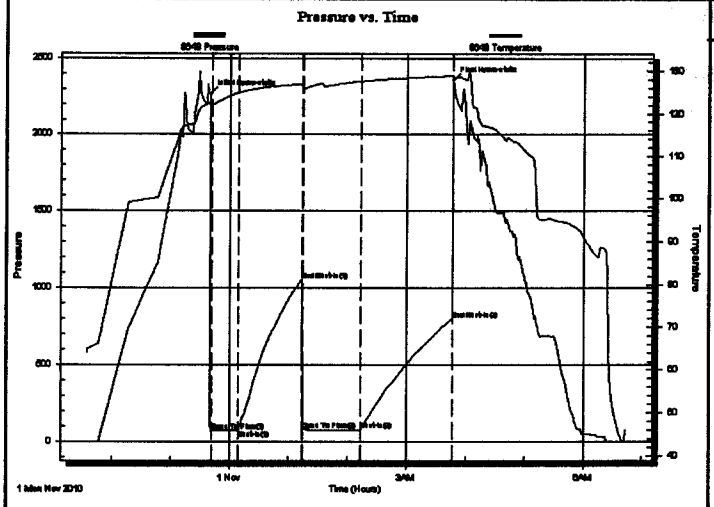
Interval: 4480.00 ft (KB) To 4608.00 ft (KB) (TVD)
Total Depth: 4608.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1305.00 ft (KB)
1295.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 73.55 psig @ 4481.00 ft (KB)
Start Date: 2010.10.31 End Date: 2010.11.01
Start Time: 21:35:05 End Time: 06:43:20

Capacity: 8000.00 psig
Last Calib.: 2010.11.01
Time On Btm: 2010.10.31 @ 23:40:00
Time Off Btm: 2010.11.01 @ 03:47:00

TEST COMMENT: IF: Strong blow, BOB 2 minutes.
ISI: Bled off, no blow back.
FF: Strong blow, BOB immediately. GTS 20 minutes, TSTM.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.40	122.51	Initial Hydro-static
2	66.17	122.05	Open To Flow (1)
30	75.86	124.87	Shut-In(1)
94	1052.37	126.91	End Shut-In(1)
95	76.11	125.76	Open To Flow (2)
154	73.55	127.59	Shut-In(2)
247	798.04	128.85	End Shut-In(2)
247	2355.38	128.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Drilling Mud 100%m	0.49
0.00	GTS (TSTM)	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39468 **DST#: 2**

Test Start: 2010.10.31 @ 21:35:00

Tool Information

Drill Pipe:	Length:	4493.00 ft	Diameter:	3.80 inches	Volume:	63.02 bbl	Tool Weight:		3500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		90000.00 lb
					Total Volume:	63.02 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		33.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4480.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		128.00 ft							
Tool Length:		148.00 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			4465.00		
Hydraulic tool	5.00			4470.00		
Packer	5.00			4475.00	20.00	Bottom Of Top Packer
Packer	5.00			4480.00		
Stubb	1.00			4481.00		
Recorder	0.00	8648	Inside	4481.00		
Recorder	0.00	6799	Inside	4481.00		
Perforations	22.00			4503.00		
Blank Spacing	95.00			4598.00		
Perforations	5.00			4603.00		
Bullnose	5.00			4608.00	128.00	Bottom Packers & Anchor
Total Tool Length:	**148.00**					

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FLUID SUMMARY

American Warrior, Inc.

P.O. Box 399
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ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39468 **DST#: 2**

Test Start: 2010.10.31 @ 21:35:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6500.00 ppm				
Filter Cake:	inches				

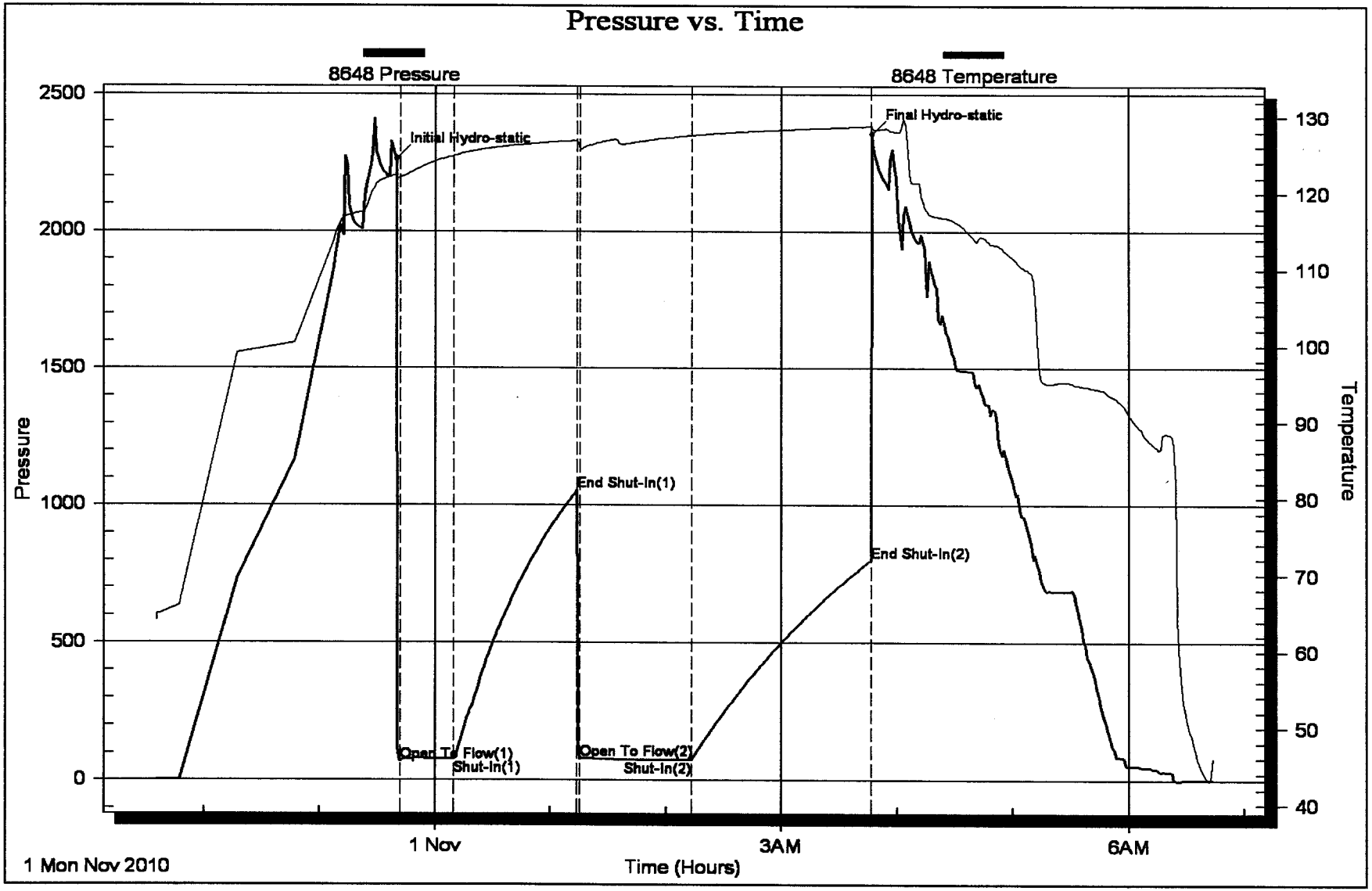
Recovery Information

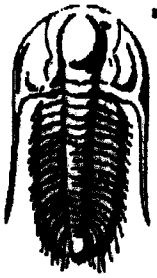
Recovery Table

Length ft	Description	Volume bbl
35.00	Drilling Mud 100%m	0.491
0.00	GTS (TSTM)	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8648 Pressure
8648 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
40
1 Nov
3AM
6AM
1 Mon Nov 2010
Time (Hours)



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Prepared For: **American Warrior, Inc.**

P.O. Box 399
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ATTN: Roger Fisher

13-34s-9w Harper,KS

Patterson #2-13

Start Date: 2010.11.01 @ 15:51:00
End Date: 2010.11.02 @ 00:04:20
Job Ticket #: 39469 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39469 **DST#: 3**

Test Start: 2010.11.01 @ 15:51:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:47:00
Time Test Ended: 00:04:20

Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43

Interval: 4610.00 ft (KB) To 4641.00 ft (KB) (TVD)
Total Depth: 4641.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

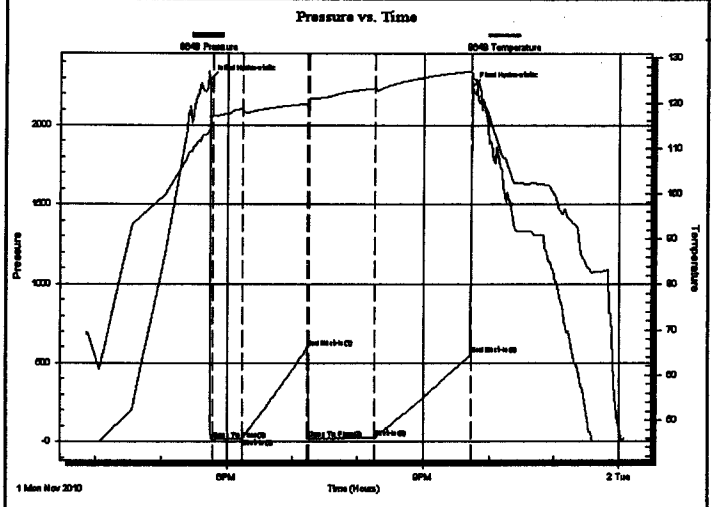
Reference Elevations: 1305.00 ft (KB)
1295.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8648 **Inside**

Press@RunDepth: 24.03 psig @ 4611.00 ft (KB)
Start Date: 2010.11.01 End Date: 2010.11.02
Start Time: 15:51:05 End Time: 00:04:20

Capacity: 8000.00 psig
Last Calib.: 2010.11.02
Time On Btm: 2010.11.01 @ 17:44:00
Time Off Btm: 2010.11.01 @ 21:44:39

TEST COMMENT: IF: Strong blow, BOB 50 seconds.
ISI: Bled off, no blow back.
FF: Strong blow, BOB immediately, no GTS.
FSI: Bledoff, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.19	113.91	Initial Hydro-static
3	16.49	117.05	Open To Flow (1)
30	20.27	118.64	Shut-In(1)
91	596.75	119.81	End Shut-In(1)
92	19.24	120.95	Open To Flow (2)
152	24.03	123.22	Shut-In(2)
240	551.91	126.93	End Shut-In(2)
241	2248.55	125.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud 100%m	0.42
0.00	3600' GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39469 **DST#: 3**

Test Start: 2010.11.01 @ 15:51:00

Tool Information

Drill Pipe:	Length:	4618.00 ft	Diameter:	3.80 inches	Volume:	64.78 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		70000.00 lb
					Total Volume:	64.78 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4610.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		31.00 ft							
Tool Length:		51.00 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			4595.00		
Hydraulic tool	5.00			4600.00		
Packer	5.00			4605.00	20.00	Bottom Of Top Packer
Packer	5.00			4610.00		
Stubb	1.00			4611.00		
Recorder	0.00	8648	Inside	4611.00		
Recorder	0.00	6799	Outside	4611.00		
Perforations	25.00			4636.00		
Bullnose	5.00			4641.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**51.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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P.O. Box 399
Garden City, KS 67846

ATTN: Roger Fisher

Patterson #2-13

13-34s-9w Harper,KS

Job Ticket: 39469 **DST#: 3**

Test Start: 2010.11.01 @ 15:51:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	inches				

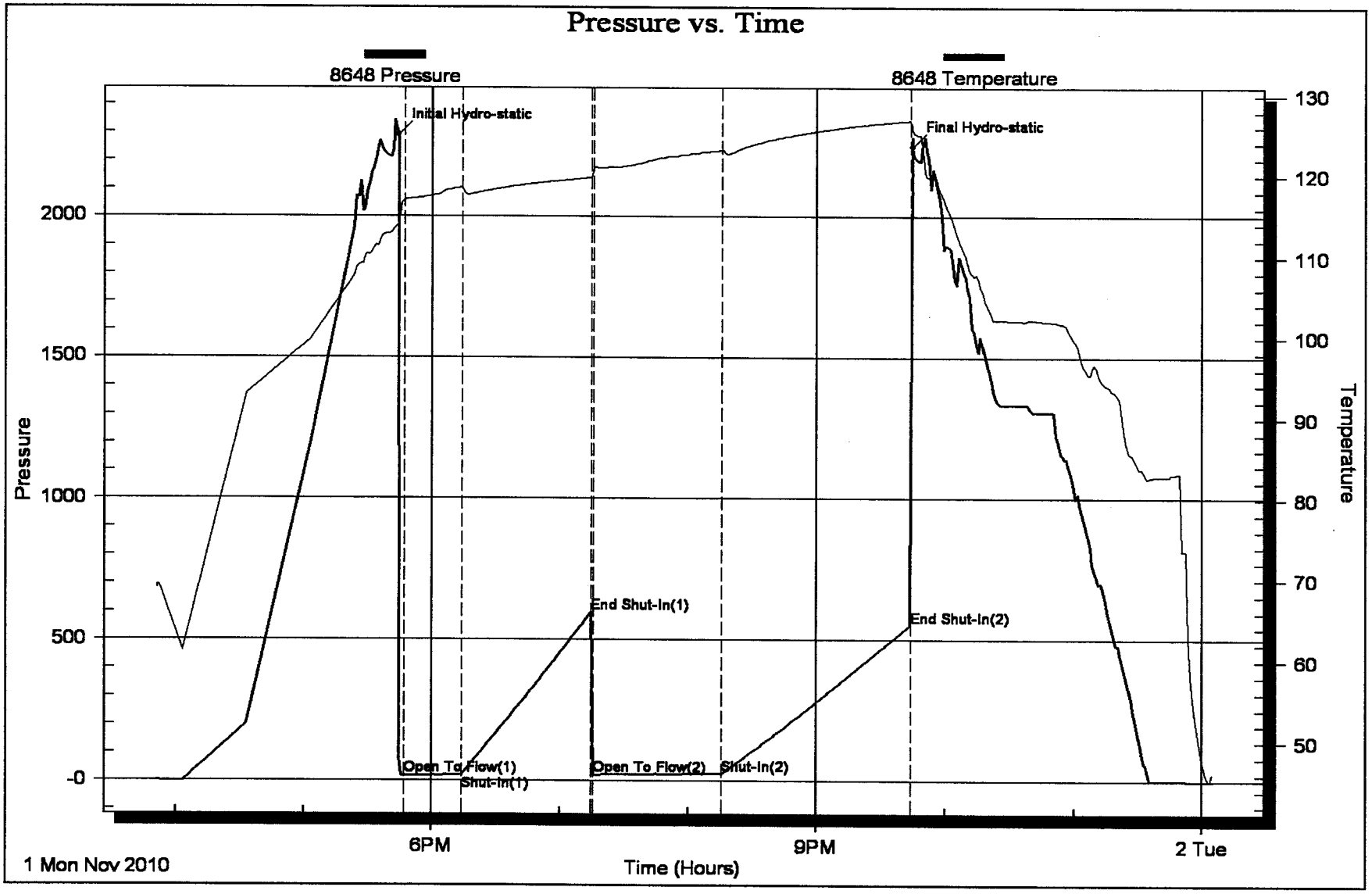
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drilling Mud 100%m	0.421
0.00	3600' GIP	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8648 Pressure
8648 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
2000
1500
1000
500
-0
Pressure
130
120
110
100
90
80
70
60
50
Temperature
6PM
9PM
2 Tue
1 Mon Nov 2010
Time (Hours)