

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846-0399

ATTN: Jim Dilts

14-34s-9w Harper KS

STEWARD #1-14

Start Date: 2010.04.23 @ 17:20:00
End Date: 2010.04.24 @ 02:56:30
Job Ticket #: 36266 DST #: 1

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

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DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City, KS 67846-0399

ATTN: Jim Dilts

STEWARD #1-14

14-34s-9w Harper KS

Job Ticket: 36266 **DST#: 1**

Test Start: 2010.04.23 @ 17:20:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:13:50
Time Test Ended: 02:56:30

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

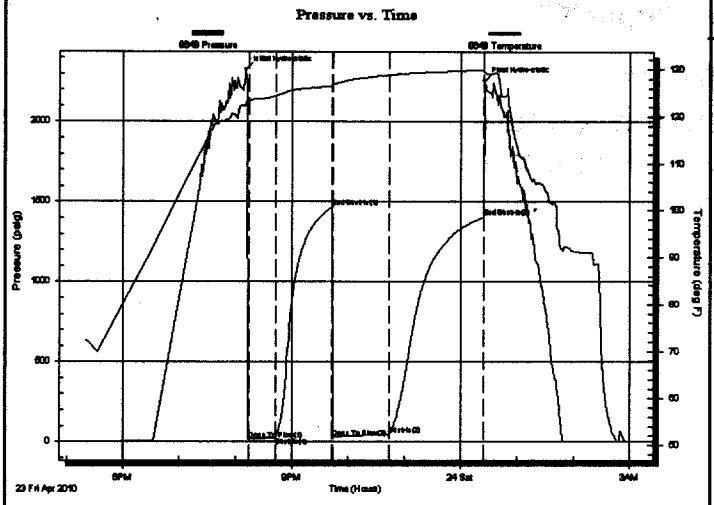
Interval: 4594.00 ft (KB) To 4684.00 ft (KB) (TVD)
Total Depth: 4684.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1306.00 ft (KB)
1295.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 45.79 psig @ 4595.00 ft (KB)
Start Date: 2010.04.23 End Date: 2010.04.24
Start Time: 17:20:05 End Time: 02:56:30

Capacity: 8000.00 psig
Last Calib.: 2010.04.24
Time On Btm: 2010.04.23 @ 20:10:20
Time Off Btm: 2010.04.24 @ 00:25:09

TEST COMMENT: IF: Fair blow, BOB in 26 minutes.
ISI: Bled off, no blow back.
FF: Fair blow, BOB in 32 minutes.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2323.21	122.26	Initial Hydro-static
4	16.27	123.16	Open To Flow (1)
32	27.10	124.34	Shut-In(1)
93	1466.36	126.46	End Shut-In(1)
94	27.66	126.72	Open To Flow (2)
154	45.79	128.76	Shut-In(2)
254	1404.19	129.87	End Shut-In(2)
255	2257.95	129.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OS SWCM 1%o 10%w 89%m	0.84
0.00	120' GIP +/-	0.00
0.00	38,000 ppm chlorides	0.00

Gas Rates

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

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TOOL DIAGRAM

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STEWARD #1-14

14-34s-9w Harper KS

Job Ticket: 36266 **DST#: 1**

Test Start: 2010.04.23 @ 17:20:00

Tool Information

Drill Pipe:	Length:	4579.00 ft	Diameter:	3.80 inches	Volume:	64.23 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:	64.23 bbl	

Drill Pipe Above KB:	13.00 ft
Depth to Top Packer:	4594.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	90.00 ft
Tool Length:	118.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	3500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	2.00 ft
String Weight: Initial	60000.00 lb
Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4571.00		
Hydraulic tool	5.00			4576.00		
Jars	5.00			4581.00		
Safety Joint	3.00			4584.00		
Packer	5.00			4589.00	28.00	Bottom Of Top Packer
Packer	5.00			4594.00		
Stubb	1.00			4595.00		
Recorder	0.00	8648	Inside	4595.00		
Recorder	0.00	6799	Inside	4595.00		
Perforations	20.00			4615.00		
Blank Spacing	64.00			4679.00		
Bullnose	5.00			4684.00	90.00	Bottom Packers & Anchor
Total Tool Length:	**118.00**					

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FLUID SUMMARY

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Job Ticket: 36266 **DST#: 1**

Test Start: 2010.04.23 @ 17:20:00

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:	38000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	5000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

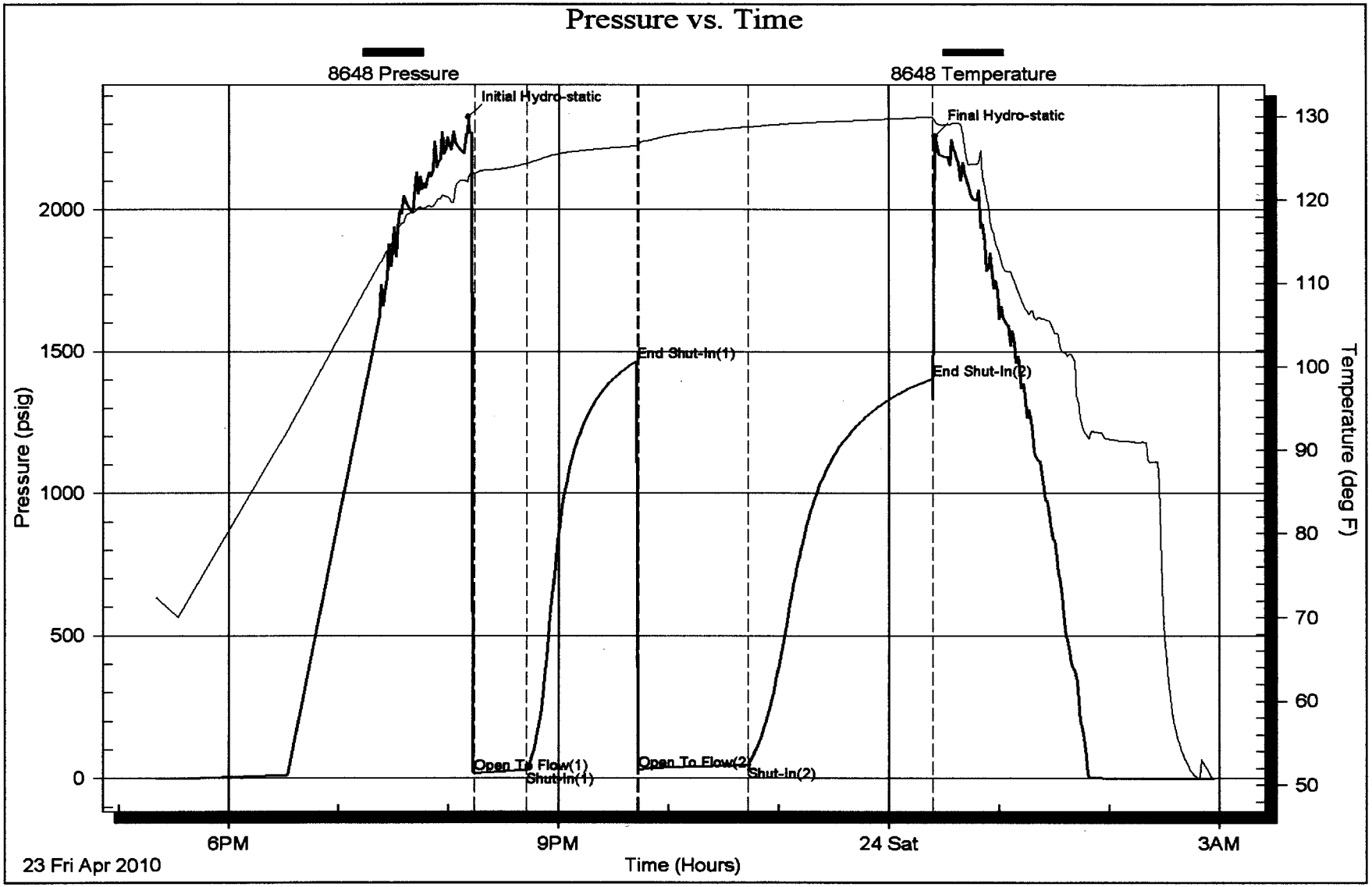
Length ft	Description	Volume bbl
60.00	OS SWCM 1%o 10%w 89%m	0.842
0.00	120' GIP +/-	0.000
0.00	38,000 ppm chlorides	0.000

Total Length: 60.00 ft Total Volume: 0.842 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .22 @ 60F = 38000 chlorides


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 (psig)
Temperature (deg F)
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
6PM
9PM
24 Sat
3AM
23 Fri Apr 2010
Time (Hours)