



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Rothe #3-30

30-19s-24w Ness,KS

Start Date: 2013.04.29 @ 12:20:55

End Date: 2013.04.29 @ 19:49:04

Job Ticket #: 52571 DST #: 1

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

Printed: 2013.05.02 @ 08:49:57



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

30-19s-24w Ness, KS
Rothe #3-30
Job Ticket: 52571 **DST#: 1**
Test Start: 2013.04.29 @ 12:20:55

Tool Information

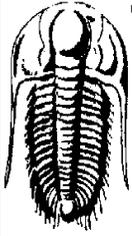
Drill Pipe:	Length: 3991.00 ft	Diameter: 3.80 inches	Volume: 55.98 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 57.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4270.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	29.00 Bottom Of Top Packer
Packer	5.00			4270.00	
Perforations	1.00			4271.00	
Change Over Sub	1.00			4272.00	
Recorder	0.00	8369	Inside	4272.00	
Recorder	0.00	8700	Outside	4272.00	
Drill Pipe	31.00			4303.00	
Change Over Sub	1.00			4304.00	
Perforations	13.00			4317.00	
Bullnose	3.00			4320.00	50.00 Bottom Packers & Anchor

Total Tool Length: 79.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

30-19s-24w Ness, KS

PO Box 399
Garden City, KS 67846

Rothe #3-30

Job Ticket: 52571

DST#: 1

ATTN: Kevin Timson

Test Start: 2013.04.29 @ 12:20:55

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: 74.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	HOGCM 25%G 20%O 55%M	0.305
124.00	MGO 20%G 45%O 35%M	0.610
0.00	375 GIP	0.000

Total Length: 186.00 ft

Total Volume: 0.915 bbl

Num Fluid Samples: 0

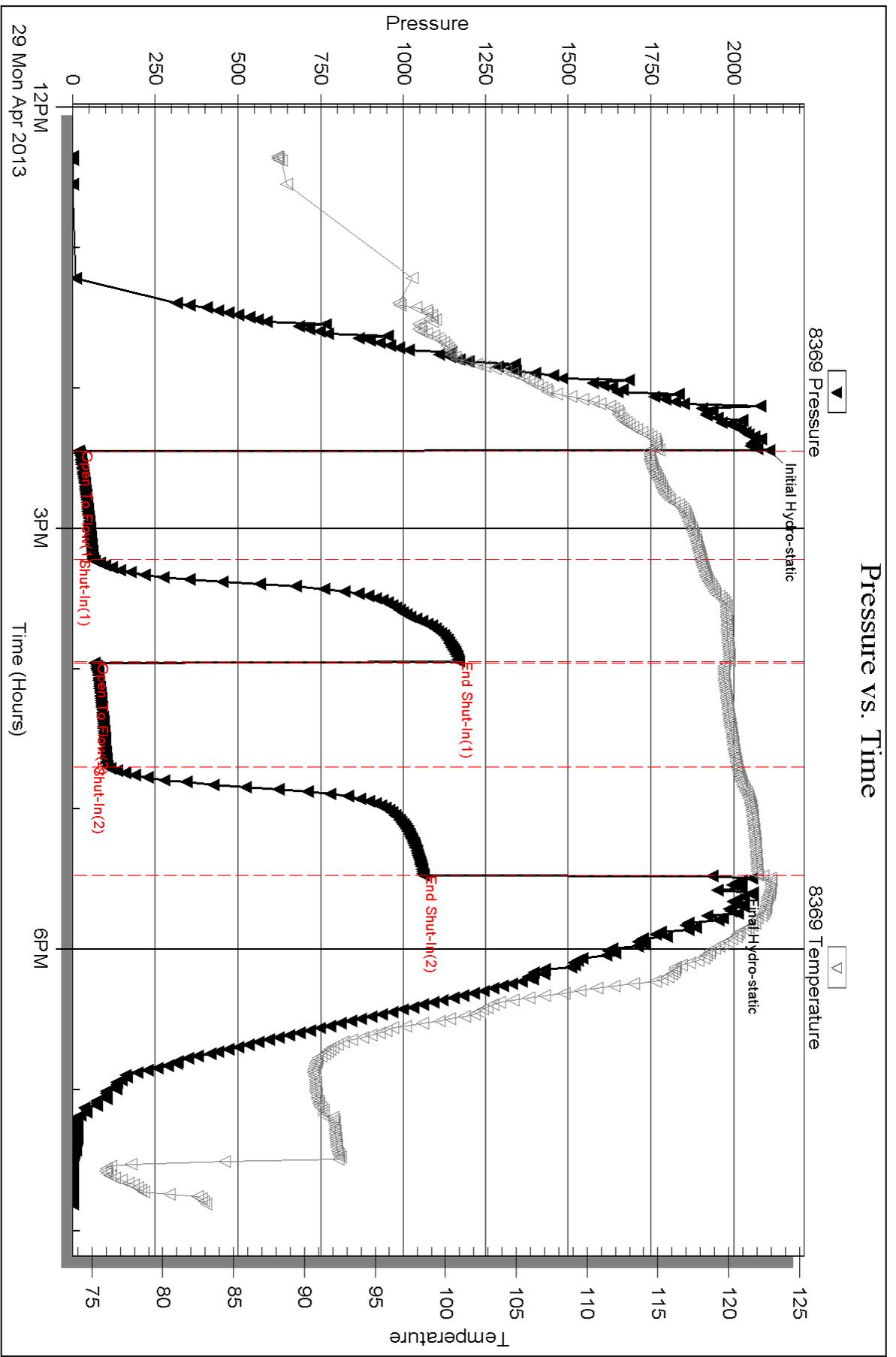
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

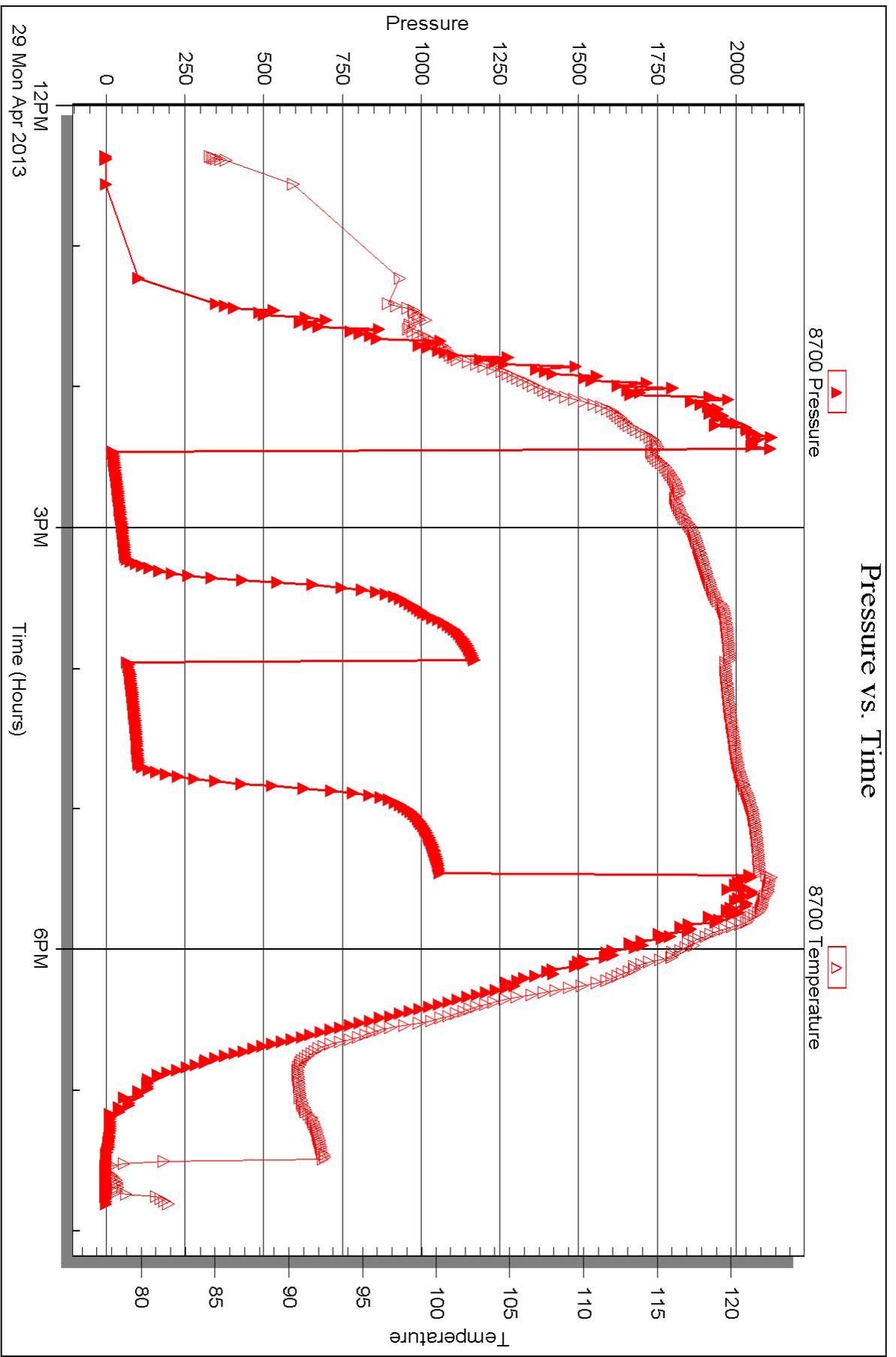


Serial #: 8700

Outside American Warrior Inc.

Rothe #3-30

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52571

Printed: 2013.05.02 @ 08:50:01



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Rothe #3-30

30-19s-24w Ness,KS

Start Date: 2013.04.30 @ 10:10:44

End Date: 2013.04.30 @ 14:56:44

Job Ticket #: 52572 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.02 @ 08:40:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

30-19s-24w Ness, KS
Rothe #3-30
 Job Ticket: 52572 **DST#: 2**
 Test Start: 2013.04.30 @ 10:10:44

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:45:14
 Time Test Ended: 14:56:44
 Interval: **4334.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: 4320.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager /Daniel
 Unit No: 42
 Reference Elevations: 2345.00 ft (KB)
 2334.00 ft (CF)
 KB to GR/CF: 11.00 ft

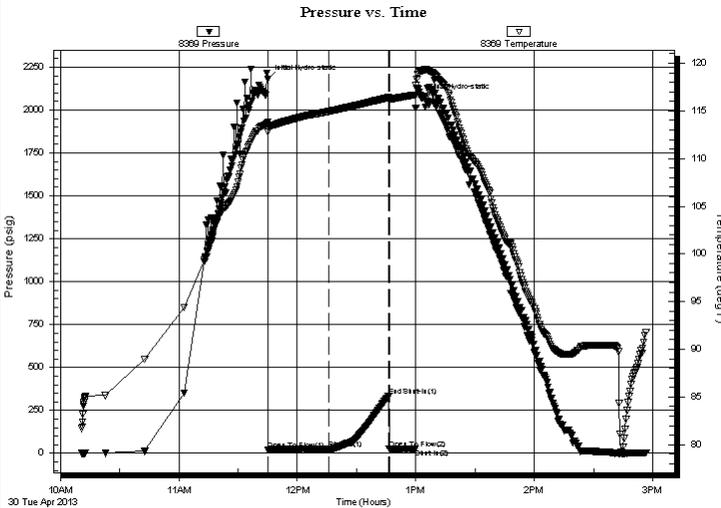
Serial #: 8369

Inside

Press @ RunDepth: 26.56 psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.30 End Date: 2013.04.30 Last Calib.: 2013.04.30
 Start Time: 10:10:49 End Time: 14:56:43 Time On Btm: 2013.04.30 @ 11:44:59
 Time Off Btm: 2013.04.30 @ 13:03:14

TEST COMMENT: 30- IFP- Surface blow .
 30- ISI- No Blow .
 10- FFP- No Blow Pulled tool.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.25	113.82	Initial Hydro-static
1	21.84	112.77	Open To Flow (1)
31	26.56	114.95	Shut-In(1)
62	335.61	116.40	End Shut-In(1)
62	26.96	116.29	Open To Flow (2)
75	27.30	116.70	Shut-In(2)
79	2068.05	119.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 2% O 98%M	0.02

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

30-19s-24w Ness, KS
Rothe #3-30
Job Ticket: 52572 **DST#: 2**
Test Start: 2013.04.30 @ 10:10:44

Tool Information

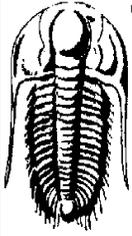
Drill Pipe:	Length: 4055.00 ft	Diameter: 3.80 inches	Volume: 56.88 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 58.21 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	4334.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	91.00 ft				
Tool Length:	120.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4306.00	
Shut In Tool	5.00			4311.00	
Hydraulic tool	5.00			4316.00	
Jars	5.00			4321.00	
Safety Joint	3.00			4324.00	
Packer	5.00			4329.00	29.00 Bottom Of Top Packer
Packer	5.00			4334.00	
Perforations	1.00			4335.00	
Change Over Sub	1.00			4336.00	
Recorder	0.00	8369	Inside	4336.00	
Recorder	0.00	8700	Outside	4336.00	
Drill Pipe	62.00			4398.00	
Change Over Sub	1.00			4399.00	
Perforations	23.00			4422.00	
Bullnose	3.00			4425.00	91.00 Bottom Packers & Anchor

Total Tool Length: 120.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

30-19s-24w Ness, KS

PO Box 399
Garden City, KS 67846

Rothe #3-30

Job Ticket: 52572

DST#: 2

ATTN: Kevin Timson

Test Start: 2013.04.30 @ 10:10:44

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 2% O 98%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

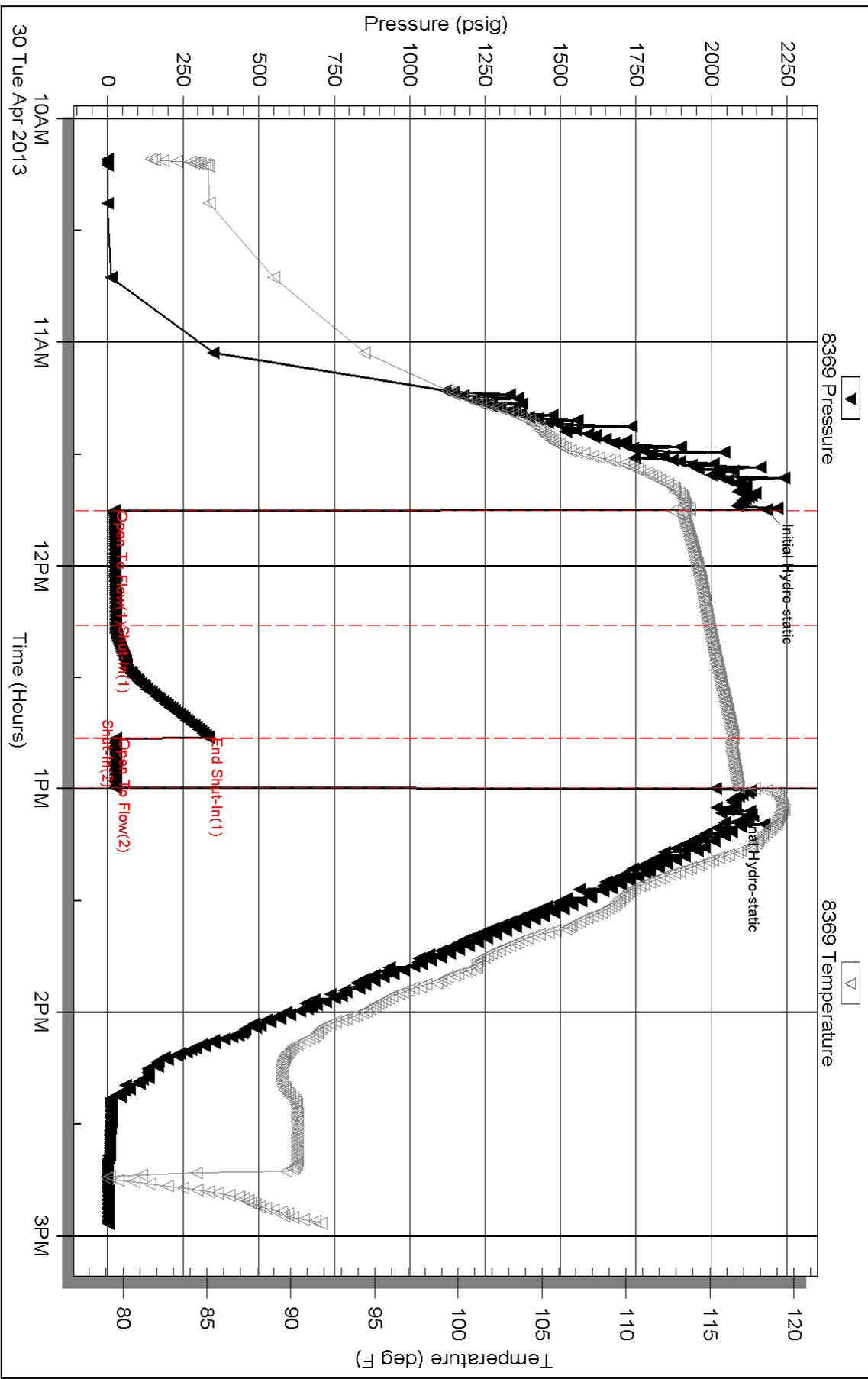
Serial #:

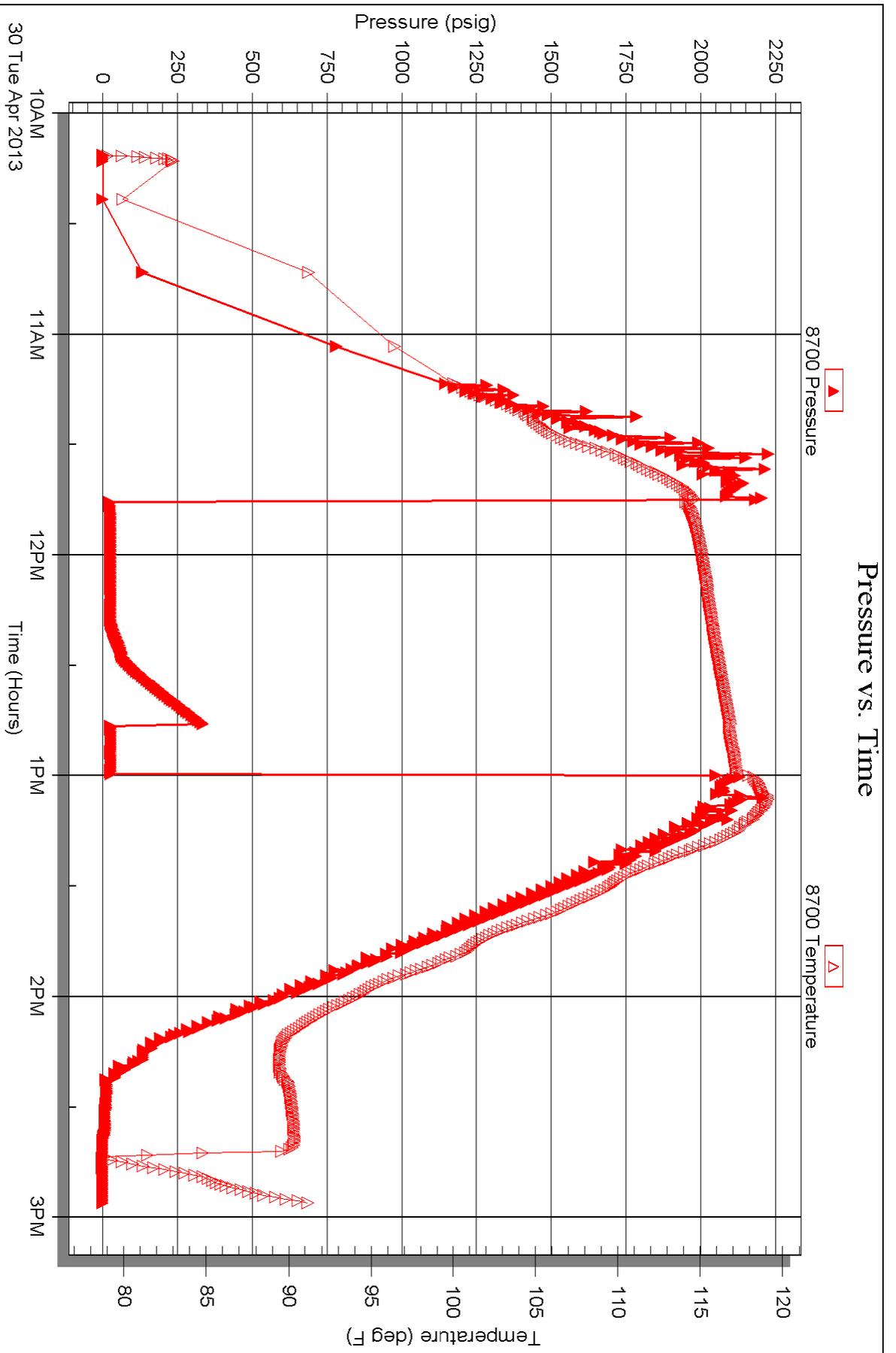
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52571

Well Name & No. Rothe #3-30 Test No. 1 Date 4-29-13
 Company American Warrior Inc. Elevation 2345 KB 2334 GL
 Address PO-399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke Rig #5
 Location: Sec. 30 Twp. 19s Rge. 24w Co. Ness State KS

Interval Tested 4270-4320 Zone Tested FT. SCOTT
 Anchor Length 50 Drill Pipe Run 3991 Mud Wt. 9.2
 Top Packer Depth 4265 Drill Collars Run 270 Vis 74
 Bottom Packer Depth 4270 Wt. Pipe Run - WL 7.2
 Total Depth 4320 Chlorides 6800 ppm System LCM TR.

Blow Description IFF - Weak to Good Blow 4" to 8" Blow
ISP - No Blow
FFP - WEAK TO STRONG IN 45 MIN
FSP - SURFACE BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>375</u>	<u>GIP</u>				
<u>62</u>	<u>HOGCM</u>	<u>25</u>	<u>20</u>	<u>55</u>	
<u>124</u>	<u>MGO</u>	<u>20</u>	<u>45</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 186 BHT 122 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic	<u>2108</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>1120</u>
(B) First Initial Flow	<u>19</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>1220</u>
(C) First Final Flow	<u>61</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>1425</u>
(D) Initial Shut-In	<u>1170</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>1725</u>
(E) Second Initial Flow	<u>66</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>1949</u>
(F) Second Final Flow	<u>105</u>	<input checked="" type="checkbox"/> Mileage	<u>160 RT</u> 115rt 178.25	Comments	
(G) Final Shut-In	<u>1059</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1995</u>	<input type="checkbox"/> Straddle			

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1753.25
 MP/DST Disc't _____
 Sub Total 1753.25

Approved By _____ Our Representative Ray Schwager Daniel
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52572

Well Name & No. Roth # 3-30 Test No. 2 Date 4-30-13
 Company AMERICAN WARRIOR Inc Elevation 2345 KB 2334 GL
 Address PO Box 399 GARDEN CITY, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 1195
 Location: Sec. 30 Twp. 19S Rge. 24W Co. Ness State Ks

Interval Tested 4334-4425 Zone Tested M.55
 Anchor Length 91 Drill Pipe Run 4334 Mud Wt. 9.4
 Top Packer Depth 4329 Drill Collars Run 270 Vis 51
 Bottom Packer Depth 4334 Wt. Pipe Run - WL 8.4
 Total Depth 4425 Chlorides 6300 ppm System LCM 1#

Blow Description IFP - surface Blow then out
ISTP - NO Blow
FFP - NO Blow, pulled Tool
FSTP -

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>50CM</u>		<u>2</u>		<u>98</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2181</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>0945</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Bars 250	T-Started <u>1010</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1145</u>
(D) Initial Shut-In <u>335</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1255</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1455</u>
(F) Second Final Flow <u>27</u>	<input checked="" type="checkbox"/> Mileage 178.25	Comments _____
(G) Final Shut-In <u>2068</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2068</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
	<input type="checkbox"/> Extra Recorder	Total <u>1753.25</u>
	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1753.25</u>	

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In pulled Tool

Approved By _____ Our Representative Ray Schwager / DANIA FORTIER
 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.