



DRILL STEM TEST REPORT

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

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Irsik Equities #5-35

35-24s-30w Gray,KS

Start Date: 2014.09.10 @ 06:05:00

End Date: 2014.09.10 @ 16:42:15

Job Ticket #: 57461 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.12 @ 13:38:54



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

35-24s-30w Gray,KS

PO Box 399
Garden City KS 67846

Irsik Equities #5-35

Job Ticket: 57461

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.09.10 @ 06:05:00

Tool Information

Drill Pipe:	Length: 4868.00 ft	Diameter: 3.80 inches	Volume: 68.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 68.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4887.00 ft			Final 95000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4864.00	
Shut In Tool	5.00			4869.00	
Hydraulic tool	5.00			4874.00	
Jars	5.00			4879.00	
Safety Joint	3.00			4882.00	
Packer	5.00			4887.00	24.00 Bottom Of Top Packer
S Packer	4.00			4891.00	
Stubb	1.00			4892.00	
Recorder	0.00	6771	Inside	4892.00	
Recorder	0.00	8844	Outside	4892.00	
Perforations	14.00			4906.00	
Change Over Sub	1.00			4907.00	
Drill Pipe	32.00			4939.00	
Change Over Sub	1.00			4940.00	
Bullnose	5.00			4945.00	58.00 Anchor Tool

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-24s-30w Gray,KS

PO Box 399
Garden City KS 67846

Irsik Equities #5-35

Job Ticket: 57461

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.09.10 @ 06:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4825.00	mud	

Total Length: 4825.00 ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

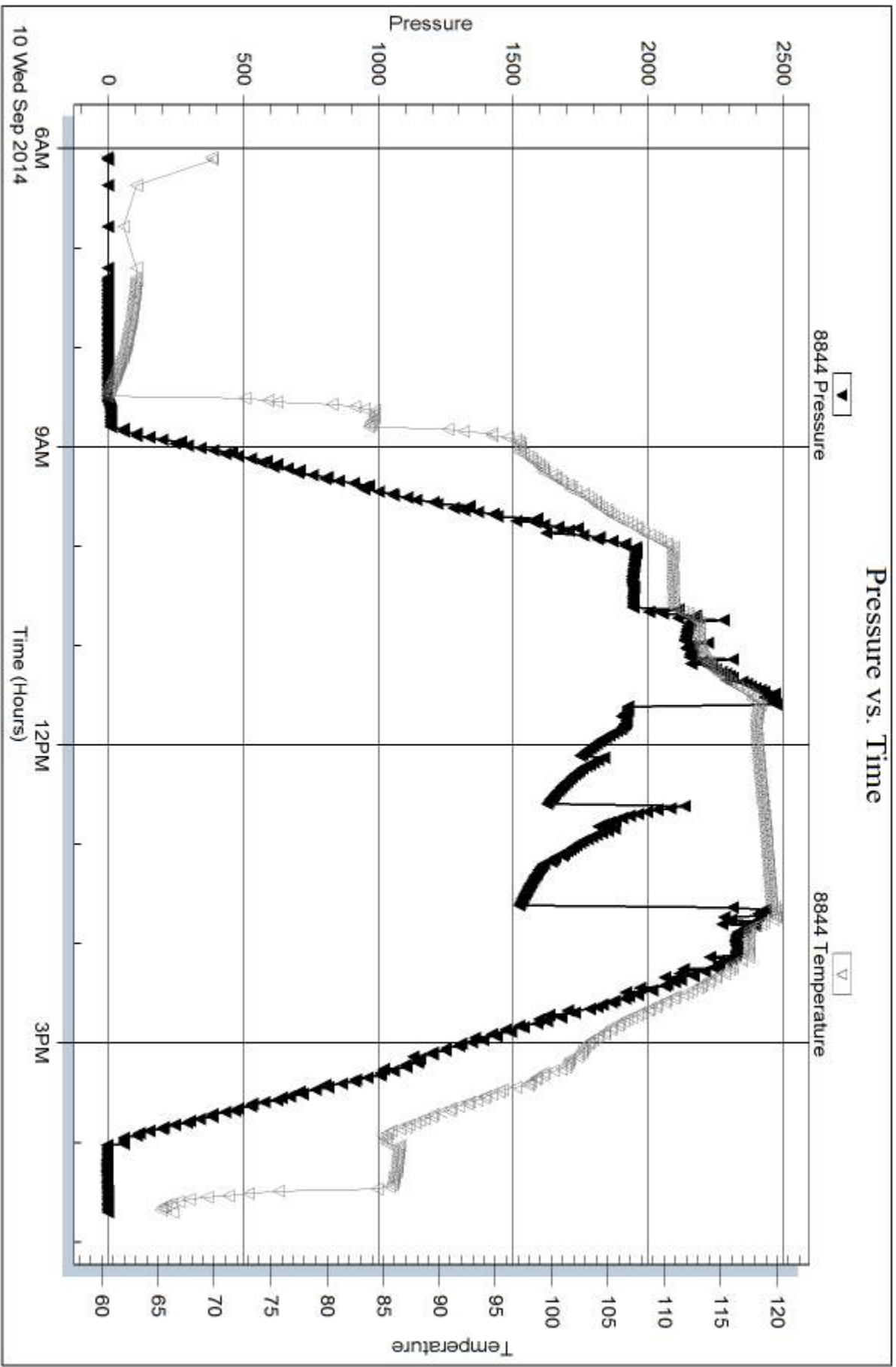
Recovery Comments:

Serial #: 8844

Outside American Warrior, Inc.

Irisk Equities #5-35

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57461

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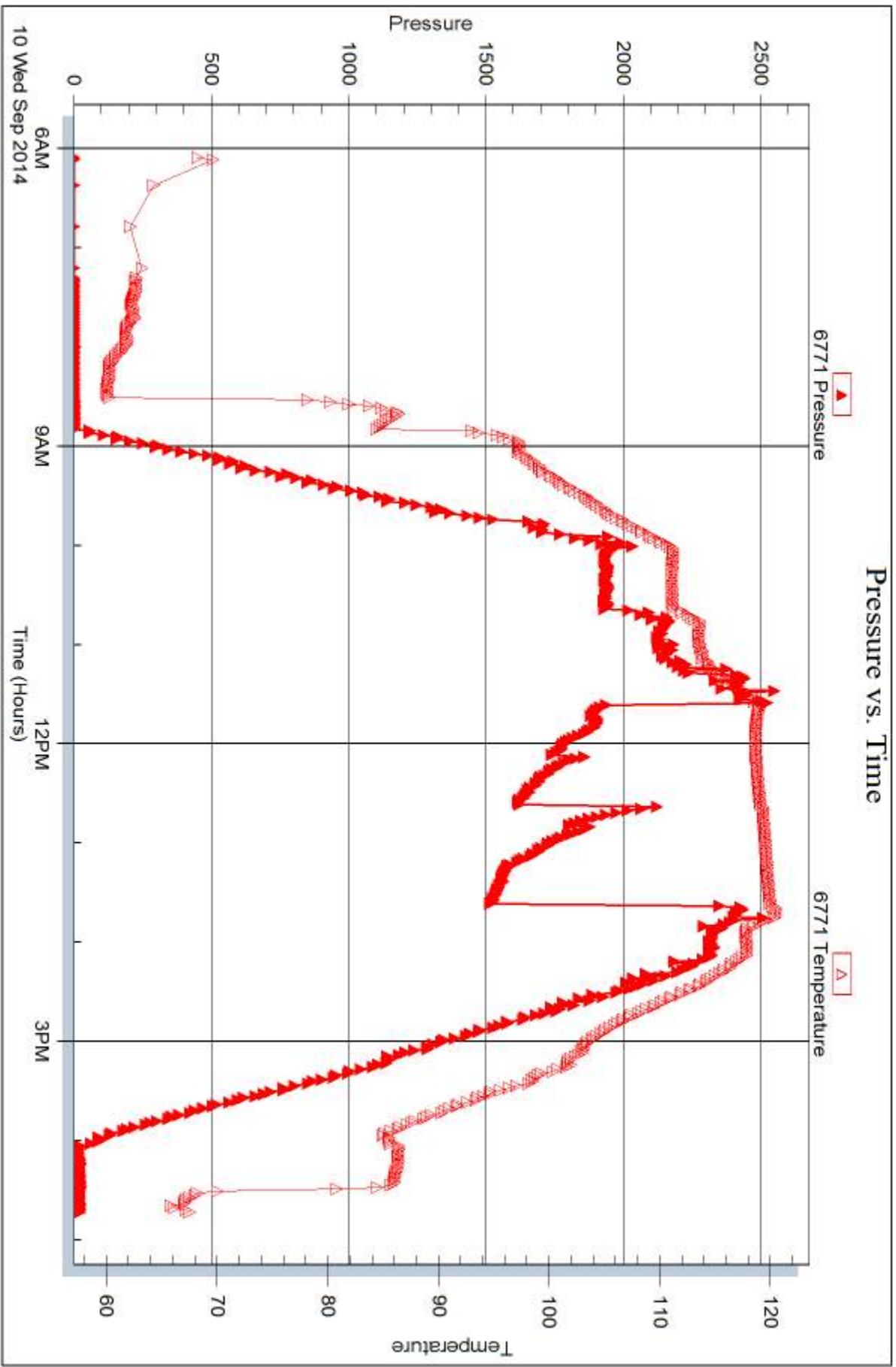
Serial #: 6771

Inside

American Warrior, Inc.

Irsik Equities #5-35

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 57461

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DRILL STEM TEST REPORT

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

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Irsik Equities #5-35

35-24s-30w Gray,KS

Start Date: 2014.09.11 @ 00:11:00

End Date: 2014.09.11 @ 09:11:15

Job Ticket #: 57462 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.12 @ 13:38:10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

35-24s-30w Gray, KS

PO Box 399
Garden City KS 67846

Irsik Equities #5-35

Job Ticket: 57462

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 03:11:30

Time Test Ended: 09:11:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 55

Interval: 4886.00 ft (KB) To 4945.00 ft (KB) (TVD)

Reference Elevations: 2854.00 ft (KB)

Total Depth: 4945.00 ft (KB) (TVD)

2843.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8844 Outside

Press@RunDepth: 169.92 psig @ 4891.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.11

End Date: 2014.09.11

Last Calib.: 2014.09.11

Start Time: 00:11:15

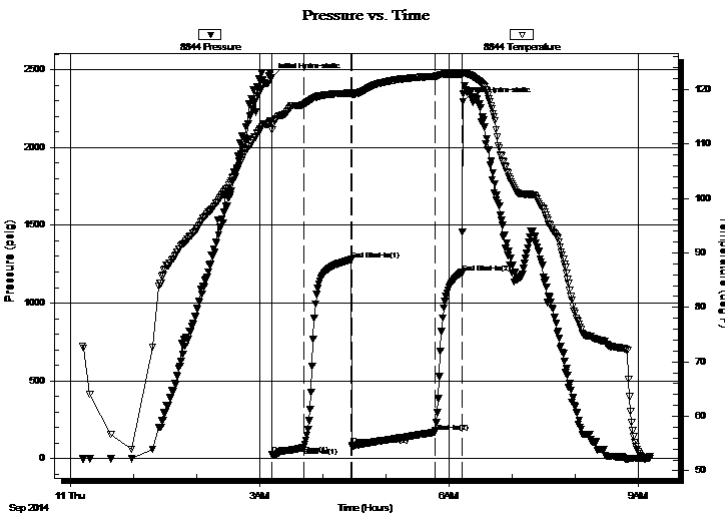
End Time: 09:11:15

Time On Btm: 2014.09.11 @ 03:11:00

Time Off Btm: 2014.09.11 @ 06:13:00

TEST COMMENT: 30: B.O.B. in 6 min.
45: No Return.
45: B.O.B. in 3 min.
60: Blow build to 3".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2449.32	114.11	Initial Hydro-static
1	27.14	112.65	Open To Flow (1)
31	70.94	117.24	Shut-In(1)
76	1280.39	119.33	End Shut-In(1)
77	86.40	118.98	Open To Flow (2)
156	169.92	122.39	Shut-In(2)
182	1197.04	122.79	End Shut-In(2)
182	2297.53	123.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gocm 20%g 20%o 60%m	2.67
170.00	GO 30%o 70%g	2.38
0.00	GIP 310'	0.00

Gas Rates

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

* Recovery from multiple tests



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TOOL DIAGRAM

American Warrior, Inc.

35-24s-30w Gray,KS

PO Box 399
Garden City KS 67846

Irsik Equities #5-35

Job Ticket: 57462

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

Tool Information

Drill Pipe:	Length: 4869.00 ft	Diameter: 3.80 inches	Volume: 68.30 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: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 68.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4886.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4863.00	
Shut In Tool	5.00			4868.00	
Hydraulic tool	5.00			4873.00	
Jars	5.00			4878.00	
Safety Joint	3.00			4881.00	
Packer	5.00			4886.00	24.00 Bottom Of Top Packer
S Packer	4.00			4890.00	
Stubb	1.00			4891.00	
Recorder	0.00	6771	Inside	4891.00	
Recorder	0.00	8844	Outside	4891.00	
Perforations	15.00			4906.00	
Change Over Sub	1.00			4907.00	
Drill Pipe	32.00			4939.00	
Change Over Sub	1.00			4940.00	
Bullnose	5.00			4945.00	59.00 Anchor Tool

Total Tool Length: 83.00



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PO Box 399
Garden City KS 67846

Irsik Equities #5-35

Job Ticket: 57462

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.09.11 @ 00:11:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.38 in³
Resistivity: ohm.m
Salinity: 1400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	gocm 20%g 20%o 60%m	2.665
170.00	GO 30%o 70%g	2.385
0.00	GIP 310'	0.000

Total Length: 360.00 ft Total Volume: 5.050 bbl

Num Fluid Samples: 0

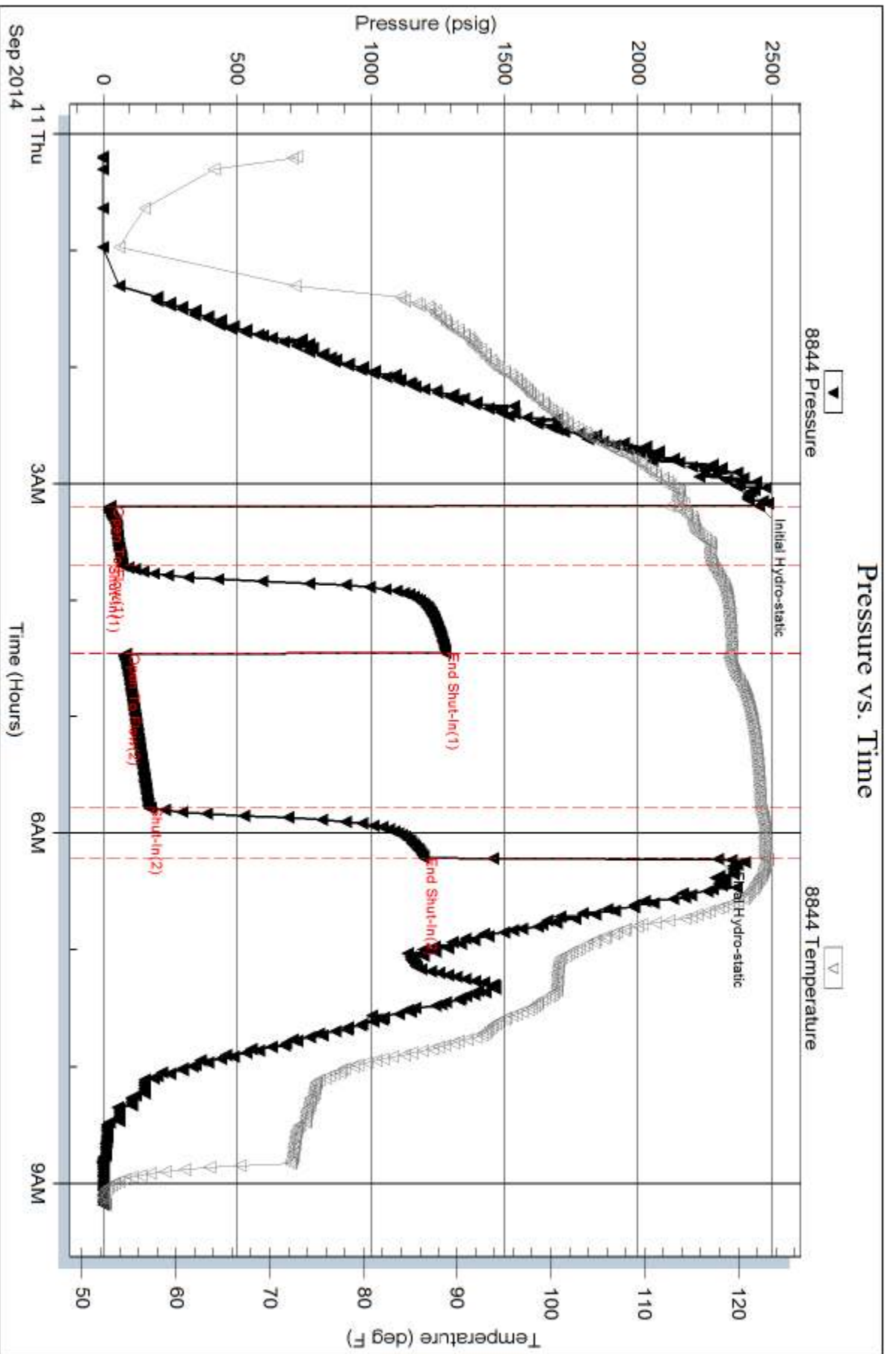
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



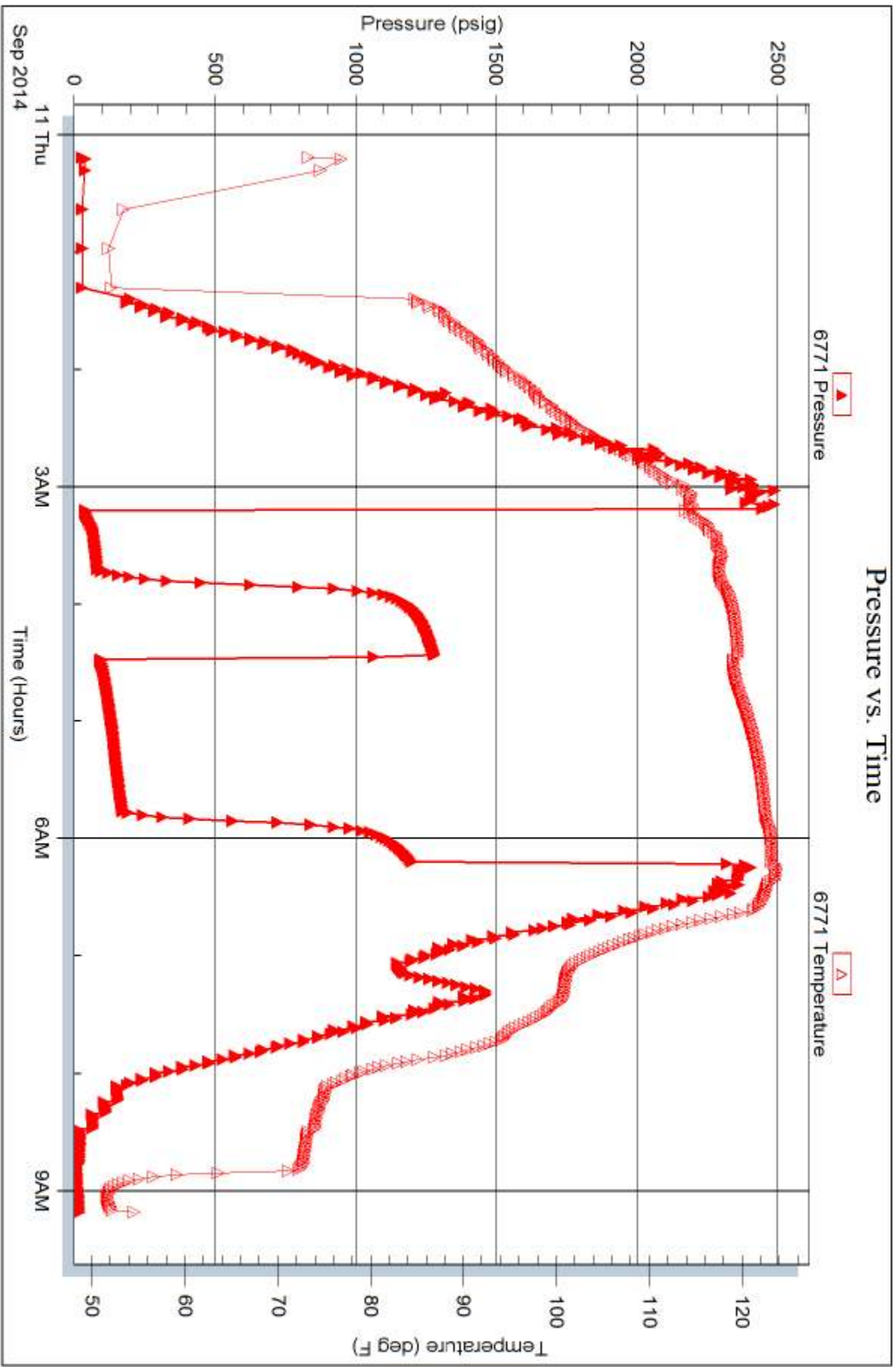
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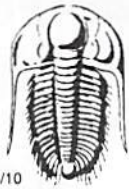
Inside

American Warrior, Inc.

Irsik Equities #5-35

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57461

Well Name & No. Irsik - Equities 5-35 Test No. 1 Date 9-10-14
 Company American Warrior, Inc. Elevation 4857 KB 4843 GL
 Address 3118 Cumming RD P.O. Box 399 Garden city Ks, 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #10
 Location: Sec. 35 Twp. 24s Rge. 30w Co. Gary State Ks

Interval Tested 4887 4945 Zone Tested Morrow
 Anchor Length 58 Drill Pipe Run 4848 Mud Wt. 9.55
 Top Packer Depth 4882 Drill Collars Run 0 Vis 44
 Bottom Packer Depth 4887 Wt. Pipe Run 0 WL 10
 Total Depth 4945 Chlorides 1900 ppm System LCM 2#
 Blow Description 30 V" Blow Died in 7 min
30 N.
30 MIS RUN
30

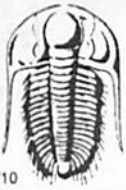
Rec	Feet of	%gas	%oil	%water	%mud
<u>4825</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 4825 BHT _____ Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic Test 1050 T-On Location 4:35
 (B) First Initial Flow Jars 250 T-Started 6:05
 (C) First Final Flow Safety Joint 75 T-Open 11:36
 (D) Initial Shut-In Circ Sub F Dep Box 50 T-Pulled 13:38
 (E) Second Initial Flow Hourly Standby _____ T-Out 16:42
 (F) Second Final Flow Mileage 114 RT 176.70 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Sub Total 0
 Initial Shut-In 30 Total 1601.70
 Final Flow 30 MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1601.70

Approved By _____ Our Representative [Signature]
 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. 57462

Well Name & No. Irsik Equities 5-35 Test No. 2 Date 9-11-14
 Company American Warrior Inc. Elevation 2854 KB 2843 GL
 Address 3118 Cumming RD P.O. Box 399 Garden city KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #10
 Location: Sec. 35 Twp. 24s Rge. 30W Co. Gary State KS

Interval Tested 4886 4945 Zone Tested Morrow Sand
 Anchor Length 59 Drill Pipe Run 4869 Mud Wt. 9.4
 Top Packer Depth 4881 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4886 Wt. Pipe Run 0 WL 8.4
 Total Depth 4945 Chlorides 1400 ppm System LCM 2#
 Blow Description 30 B.O.B in 6 min
45 No Return
45 B.O.B in 3 min
60 3" Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>gocm</u>	<u>20</u>	<u>20</u>	<u>60</u>	
<u>170</u>	<u>gas oil</u>	<u>70</u>	<u>30</u>		
	<u>GIP 310'</u>				

Rec Total 360 BHT 123 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2449 Test 1250 T-On Location 23:25
 (B) First Initial Flow 27 Jars 250 T-Started 00:11
 (C) First Final Flow 71 Safety Joint 75 T-Open 3:12
 (D) Initial Shut-In 1280 Circ Sub N/C T-Pulled 6:12
 (E) Second Initial Flow 86 Hourly Standby — T-Out 9:11
 (F) Second Final Flow 170 Mileage 114 RT 176.70 Comments —
 (G) Final Shut-In 1197 Sampler —
 (H) Final Hydrostatic 2298 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Initial Open 30 Extra Recorder — Sub Total 0
 Initial Shut-In 45 Day Standby — Total 1601.70
 Final Flow 45 Accessibility — MP/DST Disc't —
 Final Shut-In 60 Sub Total 1601.70

Approved By _____ Our Representative [Signature]

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.