



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Adam Folh

Tancayo #2-3

3-25s-31w Finney,KS

Start Date: 2014.07.13 @ 07:00:15

End Date: 2014.07.13 @ 14:45:30

Job Ticket #: 59101 DST #: 1

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

Printed: 2014.07.17 @ 15:30:24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Adam Folh

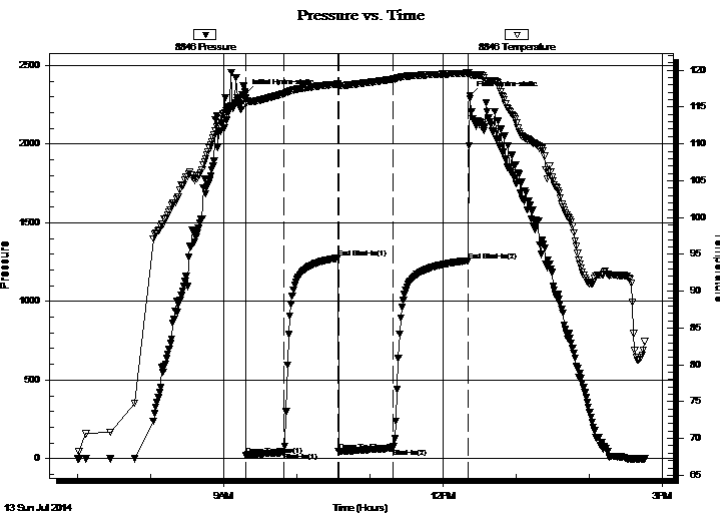
3-25s-31w Finney,KS
Tancayo #2-3
 Job Ticket: 59101 **DST#: 1**
 Test Start: 2014.07.13 @ 07:00:15

GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:18:30
 Time Test Ended: 14:45:30
 Interval: **4624.00 ft (KB) To 4670.00 ft (KB) (TVD)**
 Total Depth: 4670.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2871.00 ft (KB)
 2861.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 66.52 psig @ 4631.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.13 End Date: 2014.07.13 Last Calib.: 2014.07.13
 Start Time: 07:00:15 End Time: 14:45:30 Time On Btm: 2014.07.13 @ 09:18:15
 Time Off Btm: 2014.07.13 @ 12:22:00

TEST COMMENT: IF: Built to 1" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.09	116.20	Initial Hydro-static
1	21.78	115.43	Open To Flow (1)
32	40.10	116.80	Shut-In(1)
76	1276.45	118.11	End Shut-In(1)
76	45.50	117.88	Open To Flow (2)
121	66.52	118.76	Shut-In(2)
182	1259.97	119.60	End Shut-In(2)
184	2307.50	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	mud 100 % m	0.49

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Adam Folh

3-25s-31w Finney,KS
Tancayo #2-3
Job Ticket: 59101 **DST#: 1**
Test Start: 2014.07.13 @ 07:00:15

Tool Information

Drill Pipe:	Length: 4372.00 ft	Diameter: 3.80 inches	Volume: 61.33 bbl	Tool Weight:	1500.00 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: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 62.52 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4624.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	74.00 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			4597.00	
Shut In Tool	5.00			4602.00	
Hydraulic tool	5.00			4607.00	
Jars	5.00			4612.00	
Safety Joint	3.00			4615.00	
Packer	5.00			4620.00	28.00 Bottom Of Top Packer
Packer	4.00			4624.00	
Stubb	1.00			4625.00	
Perforations	6.00			4631.00	
Recorder	0.00	8846	Inside	4631.00	
Recorder	0.00	8737	Outside	4631.00	
Change Over Sub	1.00			4632.00	
Blank Spacing	32.00			4664.00	
Change Over Sub	1.00			4665.00	
Bullnose	5.00			4670.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

3-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Tancayo #2-3

Job Ticket: 59101

DST#: 1

ATTN: Adam Folh

Test Start: 2014.07.13 @ 07:00:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	mud 100 % m	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0

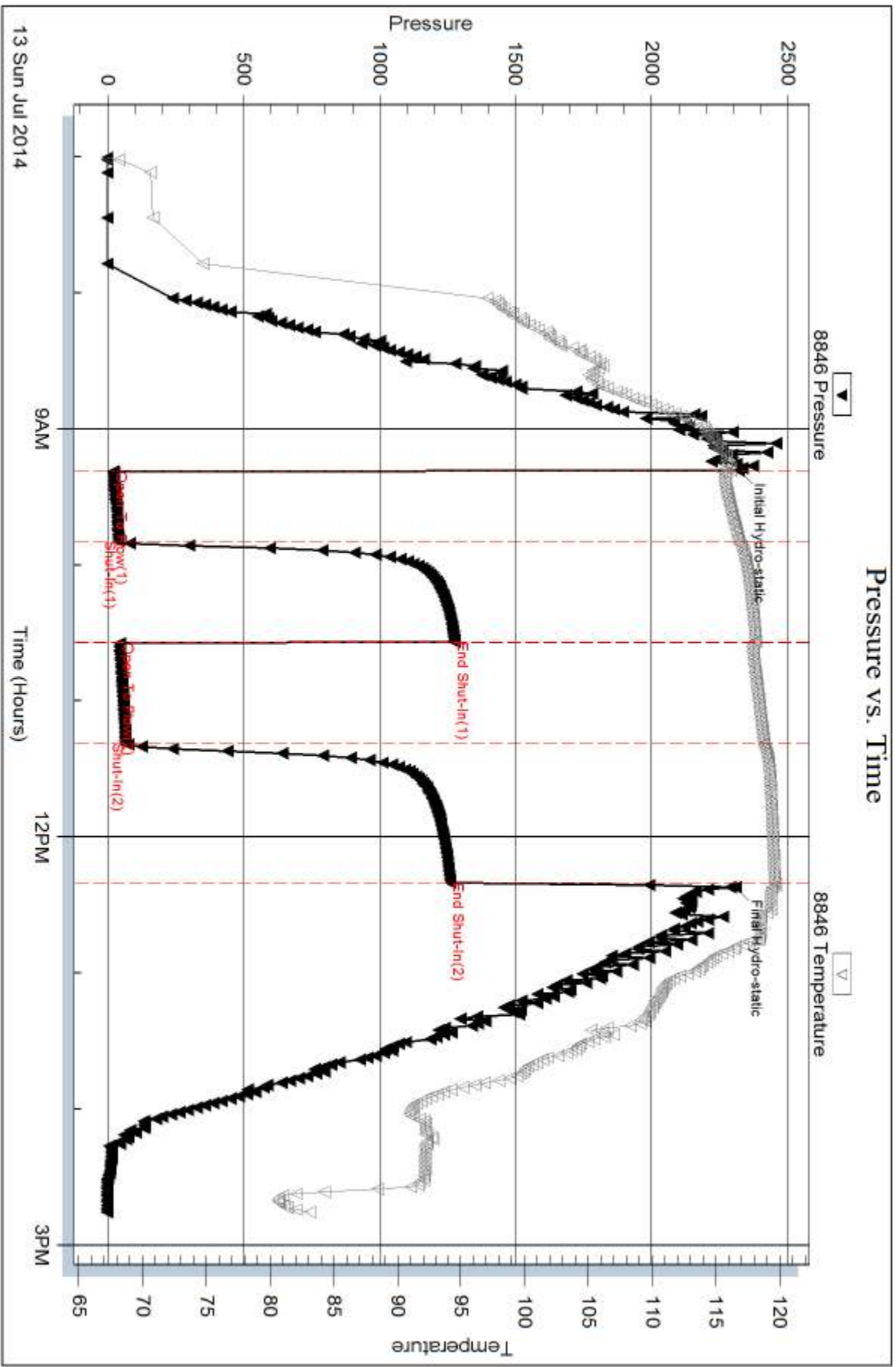
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

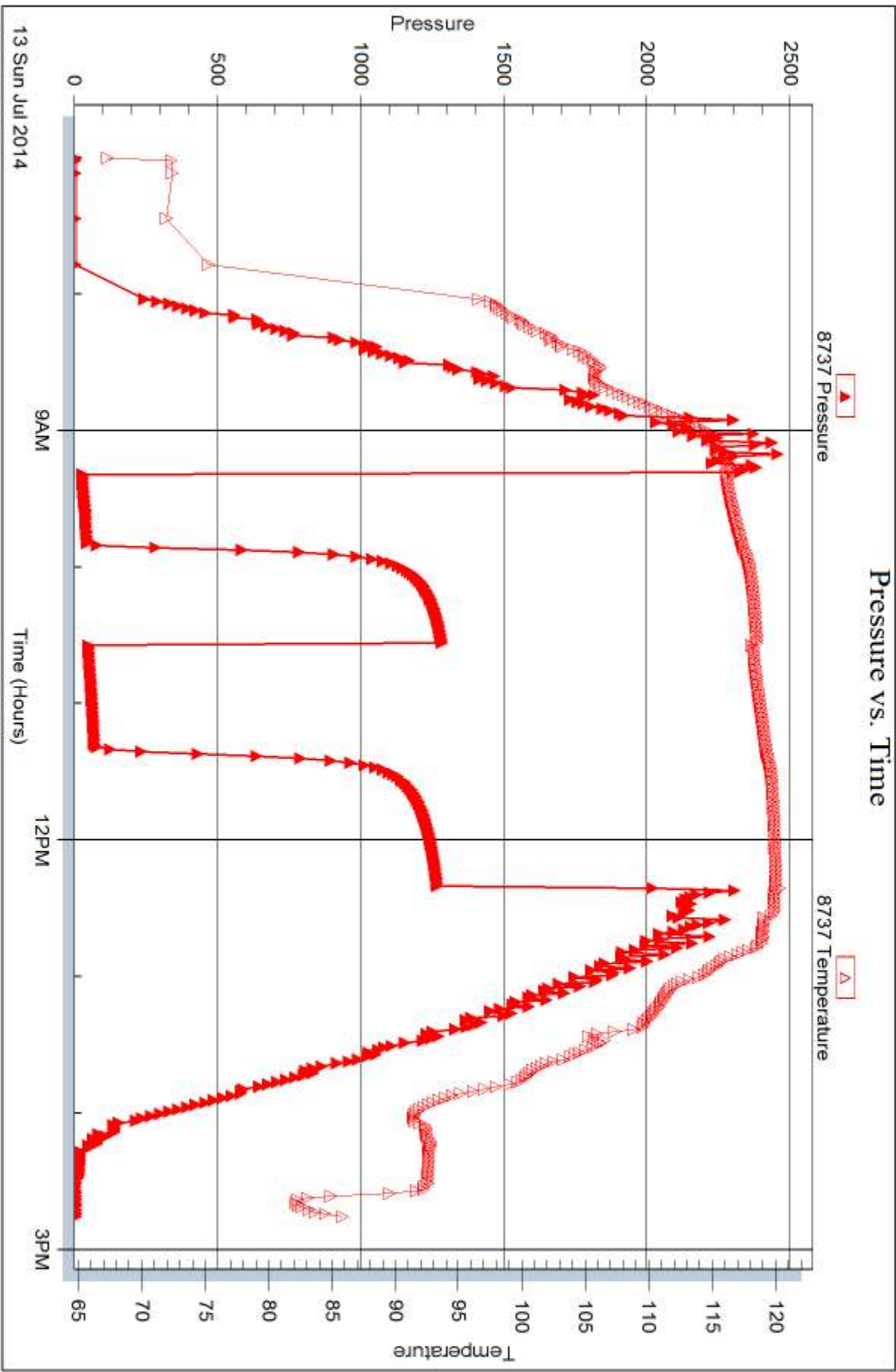


Serial #: 8737

Outside American Warrior Inc.

Tançayo #2-3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Adam Folh

Tancayo #2-3

3-25s-31w Finney,KS

Start Date: 2014.07.14 @ 13:16:15

End Date: 2014.07.14 @ 20:05:30

Job Ticket #: 59102 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.17 @ 15:29:59



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Adam Folh

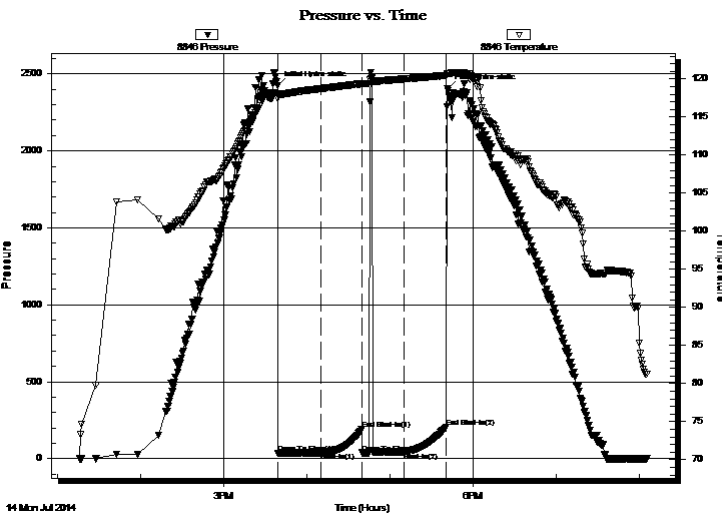
3-25s-31w Finney,KS
Tancayo #2-3
 Job Ticket: 59102 **DST#: 2**
 Test Start: 2014.07.14 @ 13:16:15

GENERAL INFORMATION:

Formation: **Marrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:39:00
 Time Test Ended: 20:05:30
 Interval: **4792.00 ft (KB) To 4848.00 ft (KB) (TVD)**
 Total Depth: 4848.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2871.00 ft (KB)
 2861.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 43.52 psig @ 4795.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.14 End Date: 2014.07.14 Last Calib.: 2014.07.14
 Start Time: 13:16:15 End Time: 20:05:30 Time On Btm: 2014.07.14 @ 15:38:45
 Time Off Btm: 2014.07.14 @ 17:41:30

TEST COMMENT: IF:Weak surface blow that died in 5 min.
 IS:No return blow
 FF:No blow -----flushed tool-----no blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2425.75	118.09	Initial Hydro-static
1	36.09	117.47	Open To Flow (1)
32	38.11	118.73	Shut-In(1)
61	189.16	119.39	End Shut-In(1)
61	38.05	119.32	Open To Flow (2)
92	43.52	120.00	Shut-In(2)
122	205.11	120.48	End Shut-In(2)
123	2405.38	120.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

3-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Tancayo #2-3

Job Ticket: 59102

DST#: 2

ATTN: Adam Folh

Test Start: 2014.07.14 @ 13:16:15

Tool Information

Drill Pipe:	Length: 4528.00 ft	Diameter: 3.80 inches	Volume: 63.52 bbl	Tool Weight: 1500.00 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: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 64.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4792.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4765.00	
Shut In Tool	5.00			4770.00	
Hydraulic tool	5.00			4775.00	
Jars	5.00			4780.00	
Safety Joint	3.00			4783.00	
Packer	5.00			4788.00	28.00 Bottom Of Top Packer
Packer	4.00			4792.00	
Stubb	1.00			4793.00	
Perforations	2.00			4795.00	
Recorder	0.00	8846	Inside	4795.00	
Recorder	0.00	8737	Outside	4795.00	
Change Over Sub	1.00			4796.00	
Blank Spacing	31.00			4827.00	
Change Over Sub	1.00			4828.00	
Perforations	15.00			4843.00	
Bullnose	5.00			4848.00	56.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

3-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Tancayo #2-3

Job Ticket: 59102

DST#: 2

ATTN: Adam Folh

Test Start: 2014.07.14 @ 13:16:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

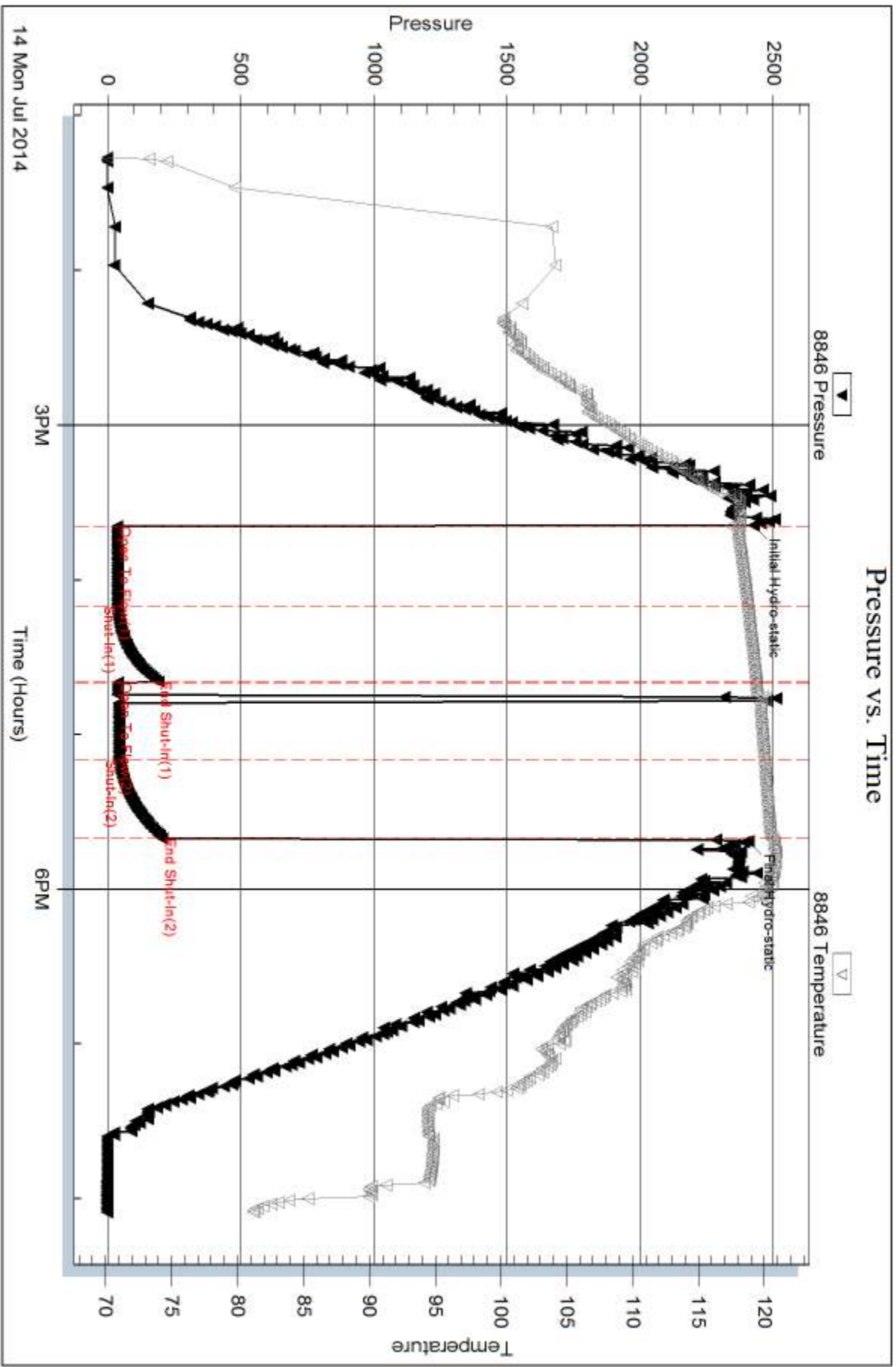
Num Gas Bombs: 0

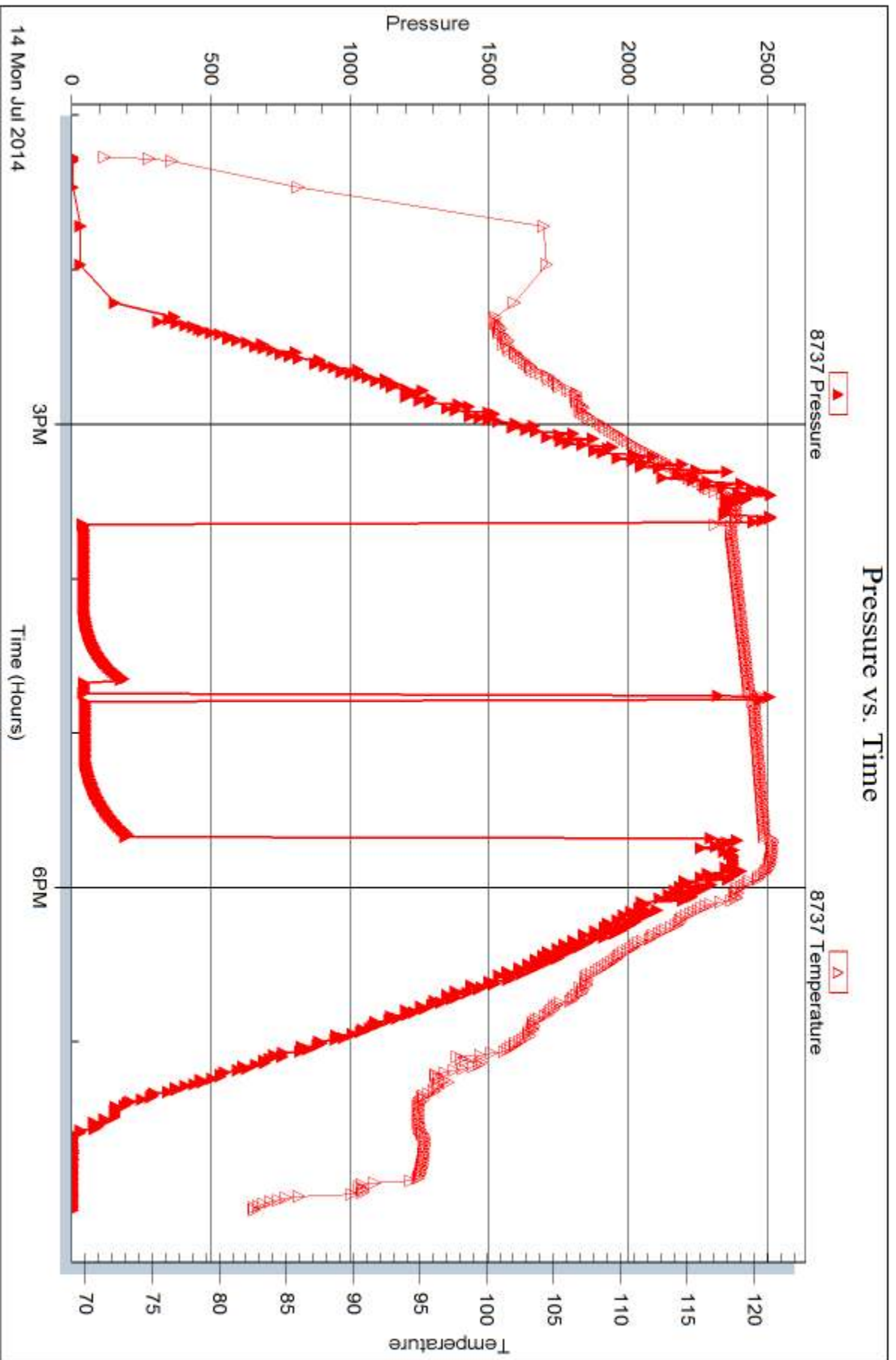
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Adam Folh

Tancayo #2-3

3-25s-31w Finney,KS

Start Date: 2014.07.15 @ 08:34:15

End Date: 2014.07.15 @ 15:11:30

Job Ticket #: 59103 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.17 @ 15:29:17



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Adam Folh

3-25s-31w Finney,KS
Tancayo #2-3
 Job Ticket: 59103 **DST#: 3**
 Test Start: 2014.07.15 @ 08:34:15

GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:43:30
 Time Test Ended: 15:11:30
 Interval: **4904.00 ft (KB) To 4935.00 ft (KB) (TVD)**
 Total Depth: 4935.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2871.00 ft (KB)
 2861.00 ft (CF)
 KB to GR/CF: 10.00 ft

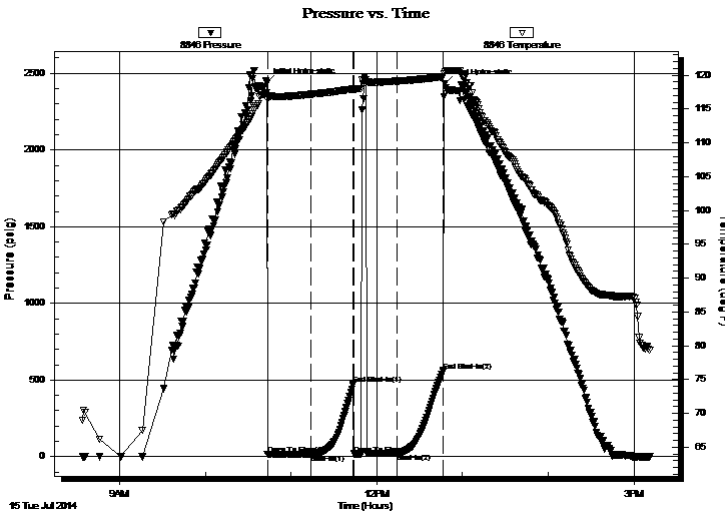
Serial #: 8846

Inside

Press@RunDepth: 22.56 psig @ 4930.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.15 End Date: 2014.07.15 Last Calib.: 2014.07.15
 Start Time: 08:34:15 End Time: 15:11:30 Time On Btm: 2014.07.15 @ 10:43:15
 Time Off Btm: 2014.07.15 @ 12:47:45

TEST COMMENT: IF:Weak surface blow that died in 10 min.
 IS: No return blow
 FF:No blow -----flushed tool---no blow
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2437.57	117.42	Initial Hydro-static
1	16.75	116.40	Open To Flow (1)
31	18.05	117.18	Shut-In(1)
61	474.04	117.94	End Shut-In(1)
61	18.50	117.86	Open To Flow (2)
91	22.56	119.13	Shut-In(2)
124	560.69	119.76	End Shut-In(2)
125	2433.90	120.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

3-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Tancayo #2-3

Job Ticket: 59103

DST#: 3

ATTN: Adam Folh

Test Start: 2014.07.15 @ 08:34:15

Tool Information

Drill Pipe:	Length: 4654.00 ft	Diameter: 3.80 inches	Volume: 65.28 bbl	Tool Weight: 1500.00 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: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 66.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4904.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4877.00	
Shut In Tool	5.00			4882.00	
Hydraulic tool	5.00			4887.00	
Jars	5.00			4892.00	
Safety Joint	3.00			4895.00	
Packer	5.00			4900.00	28.00 Bottom Of Top Packer
Packer	4.00			4904.00	
Stubb	1.00			4905.00	
Perforations	25.00			4930.00	
Recorder	0.00	8846	Inside	4930.00	
Recorder	0.00	8737	Outside	4930.00	
Bullnose	5.00			4935.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

3-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Tancayo #2-3

Job Ticket: 59103

DST#: 3

ATTN: Adam Folh

Test Start: 2014.07.15 @ 08:34:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

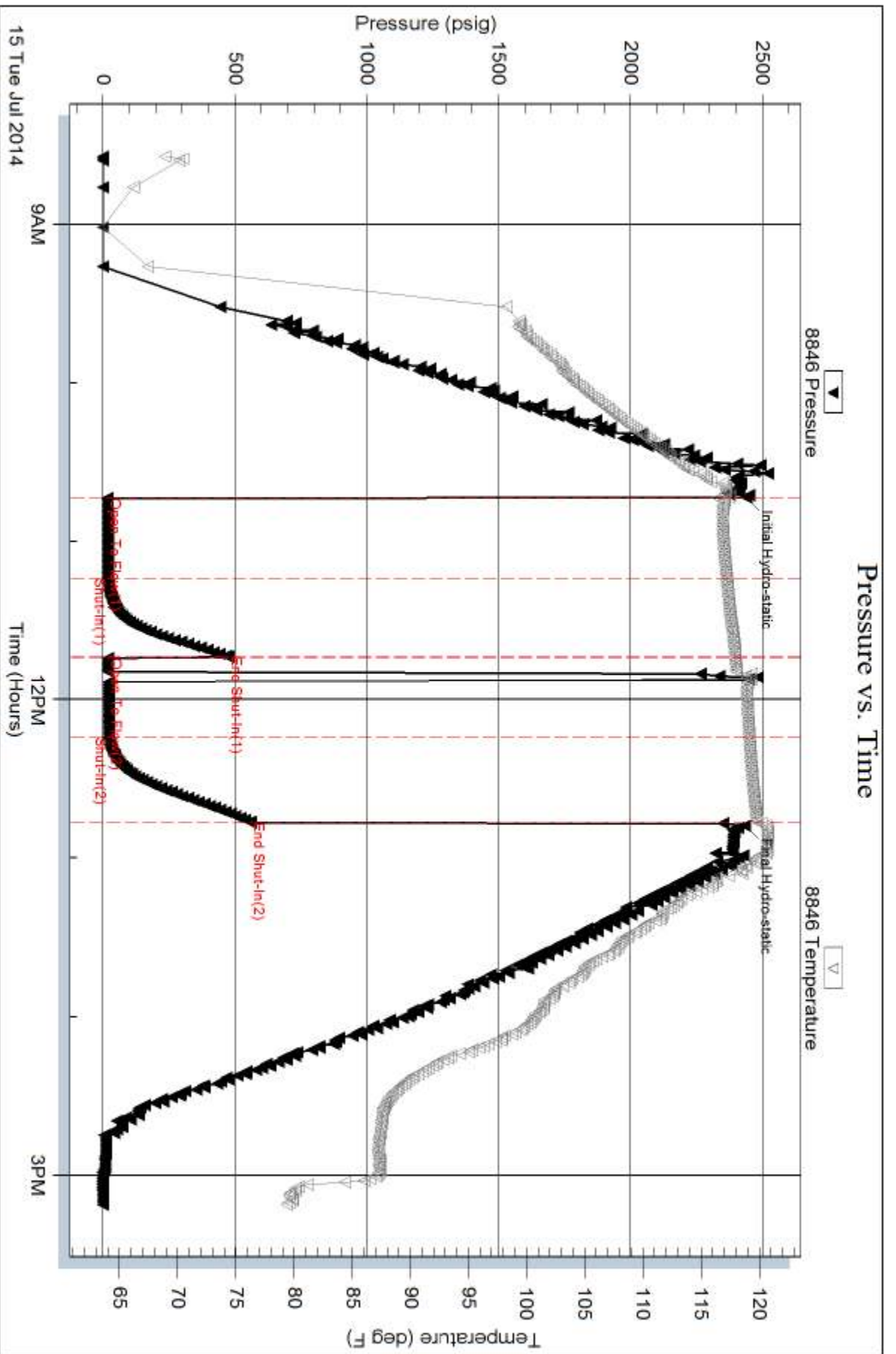
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

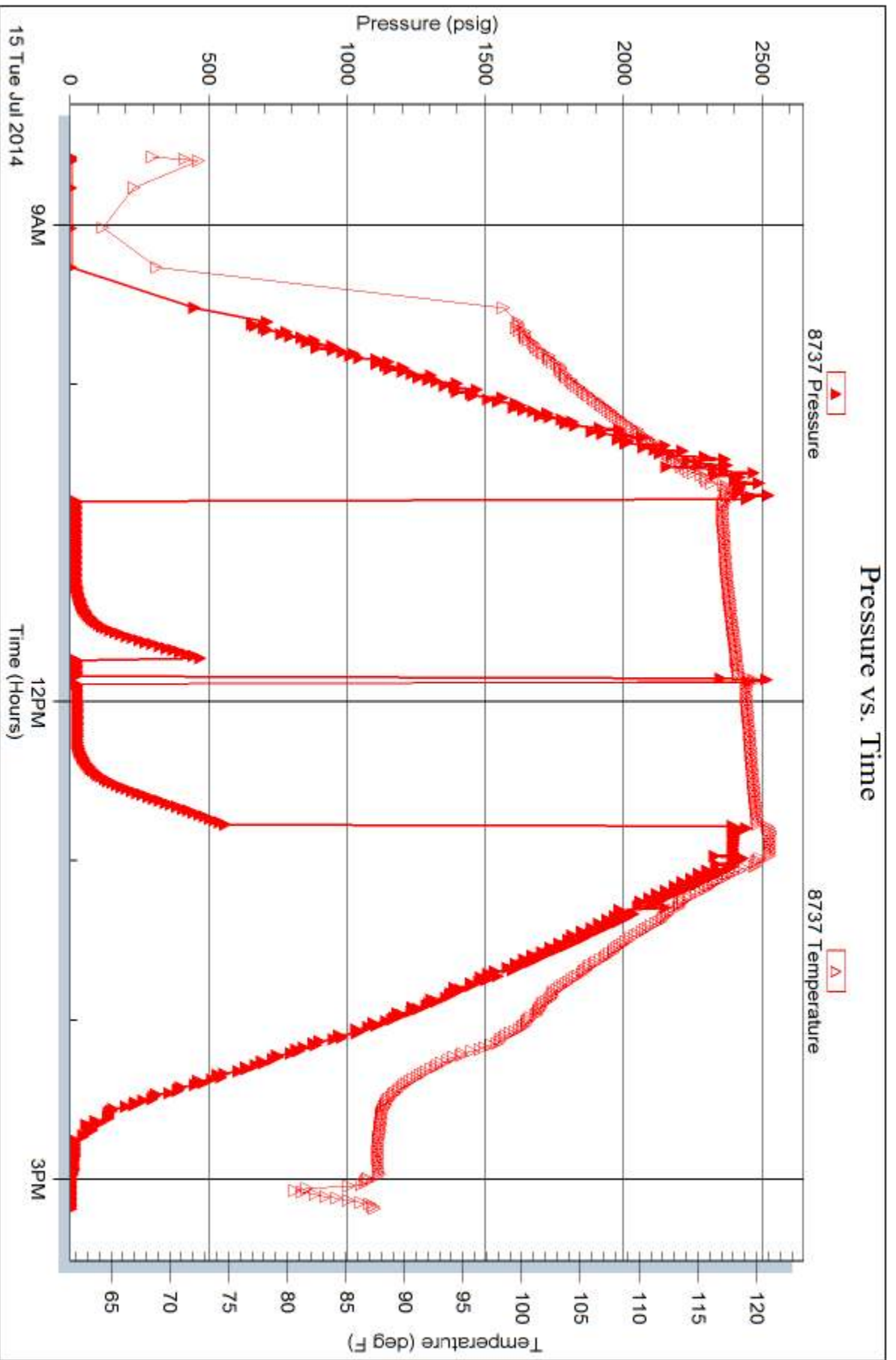


Serial #: 8737

Outside American Warrior Inc.

Tanceyo #2-3

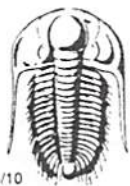
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59103

Printed: 2014.07.17 @ 15:29:18



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59101

Well Name & No. Tancayo # 2-3 Test No. 1 Date 7-13-14
 Company American Warrior Inc Elevation ~~2871~~ 2861 KB 2861 GL
 Address 3118 Cummings Rd. P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Adam Folk Rig Duke 5
 Location: Sec. 3 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4624-4670 Zone Tested Pawnee-Cherokee
 Anchor Length 46 Drill Pipe Run 4372 Mud Wt. 9.2
 Top Packer Depth 4519 Drill Collars Run 242 Vis 0.56
 Bottom Packer Depth 4624 Wt. Pipe Run 0 WL 8.8
 Total Depth 4670 Chlorides 3900 ppm System LCM 2

Blow Description IF: Built to 1" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>MUD</u>			<u>100</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

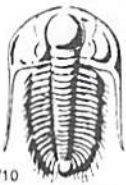
Rec Total 100 BHT 120 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2320 Test 1250.00 T-On Location 05:15
 (B) First Initial Flow 21 Jars 250.00 T-Started 07:00
 (C) First Final Flow 40 Safety Joint 75.00 T-Open 09:20
 (D) Initial Shut-In 1276 Circ Sub NC T-Pulled 12:20
 (E) Second Initial Flow 45 Hourly Standby _____ T-Out 14:45
 (F) Second Final Flow 66 Mileage 100 RT 155.00 Comments _____
 (G) Final Shut-In 1259 Sampler _____
 (H) Final Hydrostatic 2307 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1730.00
 Final Shut-In 60 Accessibility _____ MP/DST Disc't _____
 Sub Total \$1730.00

Approved By _____ Our Representative Mike Roberts

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. 59102

Well Name & No. Tancayo #2-3 Test No. 2 Date 7-14-14
 Company American Warrior Inc. Elevation 2871 KB 2861 GL
 Address 3118 Cummings Rd. P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Adam Foltz Rig Duke 5
 Location: Sec. 3 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4792-4848 Zone Tested Marrow
 Anchor Length 54 Drill Pipe Run 4528 Mud Wt. 9.4
 Top Packer Depth 4467 Drill Collars Run 242 Vis 1250
 Bottom Packer Depth 4472 Wt. Pipe Run Ø WL 11.2
 Total Depth 4848 Chlorides 3100 ppm System LCM 2

Blow Description IF: Weak Surface Blows Died in 5 Min
IS: No ~~Blow~~ Return Blow
FF: No Blow — Flushed Tool — No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>			<u>100</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

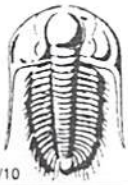
Rec Total 5 BHT 121 Gravity — API RW — °F Chlorides — ppm

(A) Initial Hydrostatic 2425 Test 1250.00 T-On Location 12:15
 (B) First Initial Flow 36 Jars 250.00 T-Started 13:16
 (C) First Final Flow 38 Safety Joint 75.00 T-Open 15:40
 (D) Initial Shut-In 189 Circ Sub NC T-Pulled 17:40
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 20:05
 (F) Second Final Flow 43 Mileage 100 RT = 155.00 Comments _____
 (G) Final Shut-In 205 Sampler _____
 (H) Final Hydrostatic 2405 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 30 Extra Packer _____ Extra Copies _____
 Final Shut-In 30 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1730.00
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1730.00

Approved By _____ Our Representative Mike Roberts

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. 59103

Well Name & No. Tamayo #2-3 Test No. 3 Date 7-15-14
 Company American Warrior Inc Elevation 2871 KB 2861 GL
 Address 3118 Cummings Rd. P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 5
 Location: Sec. 3 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4904-4935 Zone Tested St. Louis
 Anchor Length 31 Drill Pipe Run 4654 Mud Wt. 9.4
 Top Packer Depth 4899 Drill Collars Run 242 Vis 50
 Bottom Packer Depth 4904 Wt. Pipe Run Ø WL 11.2
 Total Depth 4935 Chlorides 3100 ppm System LCM 2
 Blow Description IF: Weak Surface Blow Died in 10 Min.
IS: No Return Blow
FF: No Blow - - - Flushed Tool - No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD</u>			<u>100</u>	
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 121 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2437 Test 1250.00 T-On Location 08:00
 (B) First Initial Flow 16 Jars 250.00 T-Started 08:34
 (C) First Final Flow 18 Safety Joint 75.00 T-Open 10:43
 (D) Initial Shut-In 474 Circ Sub NC T-Pulled 12:43
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 15:11
 (F) Second Final Flow 22 Mileage 100 RT = 155.00 Comments Loaded tools
 (G) Final Shut-In 560 Sampler 155 at 5:00 pm
 (H) Final Hydrostatic 2433 Straddle _____ 7-16-14

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 30 Extra Packer _____ Extra Copies _____
 Final Shut-In 30 Extra Recorder _____ Sub Total 800
 Day Standby 1d 1.75h Total 2685.00
 Accessibility 1885.00 MP/DST Disc't _____
 Sub Total \$1730.00

Approved By _____ Our Representative Mike Rohrb

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