



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City KS 67846

ATTN: Luke Thompson

Kreigh #1-3

3-14s-35w Logan,KS

Start Date: 2016.09.19 @ 17:12:15

End Date: 2016.09.19 @ 22:57:45

Job Ticket #: 65612 DST #: 1

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

Printed: 2016.09.22 @ 08:47:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65612

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.09.19 @ 17:12:15

GENERAL INFORMATION:

Formation: **Ft. Scott - Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:22:15

Time Test Ended: 22:57:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4424.00 ft (KB) To 4515.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

3057.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 6751

Outside

Press@RunDepth: 55.77 psig @ 4495.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.19

End Date:

2016.09.19

Last Calib.:

2016.09.19

Start Time:

17:12:15

End Time:

22:57:45

Time On Btm:

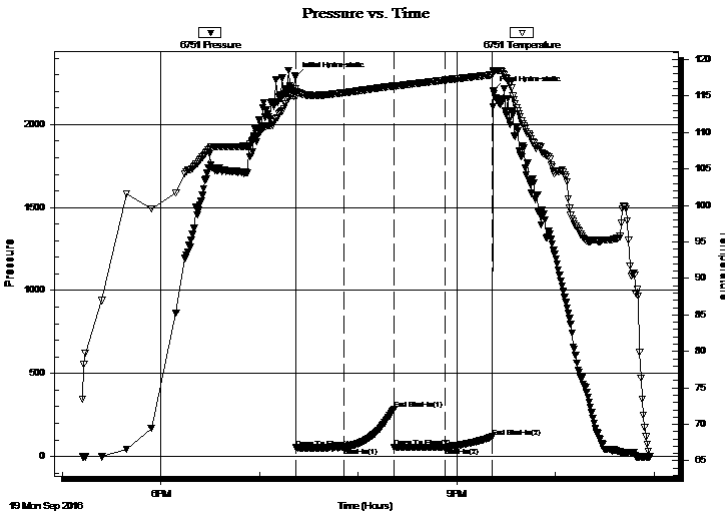
2016.09.19 @ 19:22:00

Time Off Btm:

2016.09.19 @ 21:22:15

TEST COMMENT: IF: Built to 1/8" blow
IS: No return blow
FF: No return blow
FS: No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2290.64 | 116.00 | Initial Hydro-static |
| 1 | 52.37 | 114.88 | Open To Flow (1) |
| 30 | 54.93 | 115.43 | Shut-In(1) |
| 60 | 284.21 | 116.38 | End Shut-In(1) |
| 60 | 55.48 | 116.32 | Open To Flow (2) |
| 91 | 55.77 | 117.17 | Shut-In(2) |
| 120 | 118.45 | 117.88 | End Shut-In(2) |
| 121 | 2205.32 | 118.31 | Final Hydro-static |

Recovery

Gas Rates

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 10.00 | mud w ith oil spots | 0.14 |
| | | |
| | | |
| | | |
| | | |

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65612

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.09.19 @ 17:12:15

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4412.00 ft | Diameter: 3.80 inches | Volume: 61.89 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: 20000.00 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: 61.89 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4425.00 ft | | | Final 60000.00 lb |
| 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 Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4398.00 | |
| Shut In Tool | 5.00 | | | 4403.00 | |
| Hydraulic tool | 5.00 | | | 4408.00 | |
| Jars | 5.00 | | | 4413.00 | |
| Safety Joint | 3.00 | | | 4416.00 | |
| Packer | 5.00 | | | 4421.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4425.00 | |
| Stubb | 1.00 | | | 4426.00 | |
| Perforations | 5.00 | | | 4431.00 | |
| Change Over Sub | 1.00 | | | 4432.00 | |
| Drill Pipe | 62.00 | | | 4494.00 | |
| Change Over Sub | 1.00 | | | 4495.00 | |
| Recorder | 0.00 | 8672 | Inside | 4495.00 | |
| Recorder | 0.00 | 6751 | Outside | 4495.00 | |
| Perforations | 15.00 | | | 4510.00 | |
| Bullnose | 5.00 | | | 4515.00 | 90.00 Bottom Packers & Anchor |
| Total Tool Length: | 118.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65612

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.09.19 @ 17:12:15

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 10.00 | mud w ith oil spots | 0.140 |

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

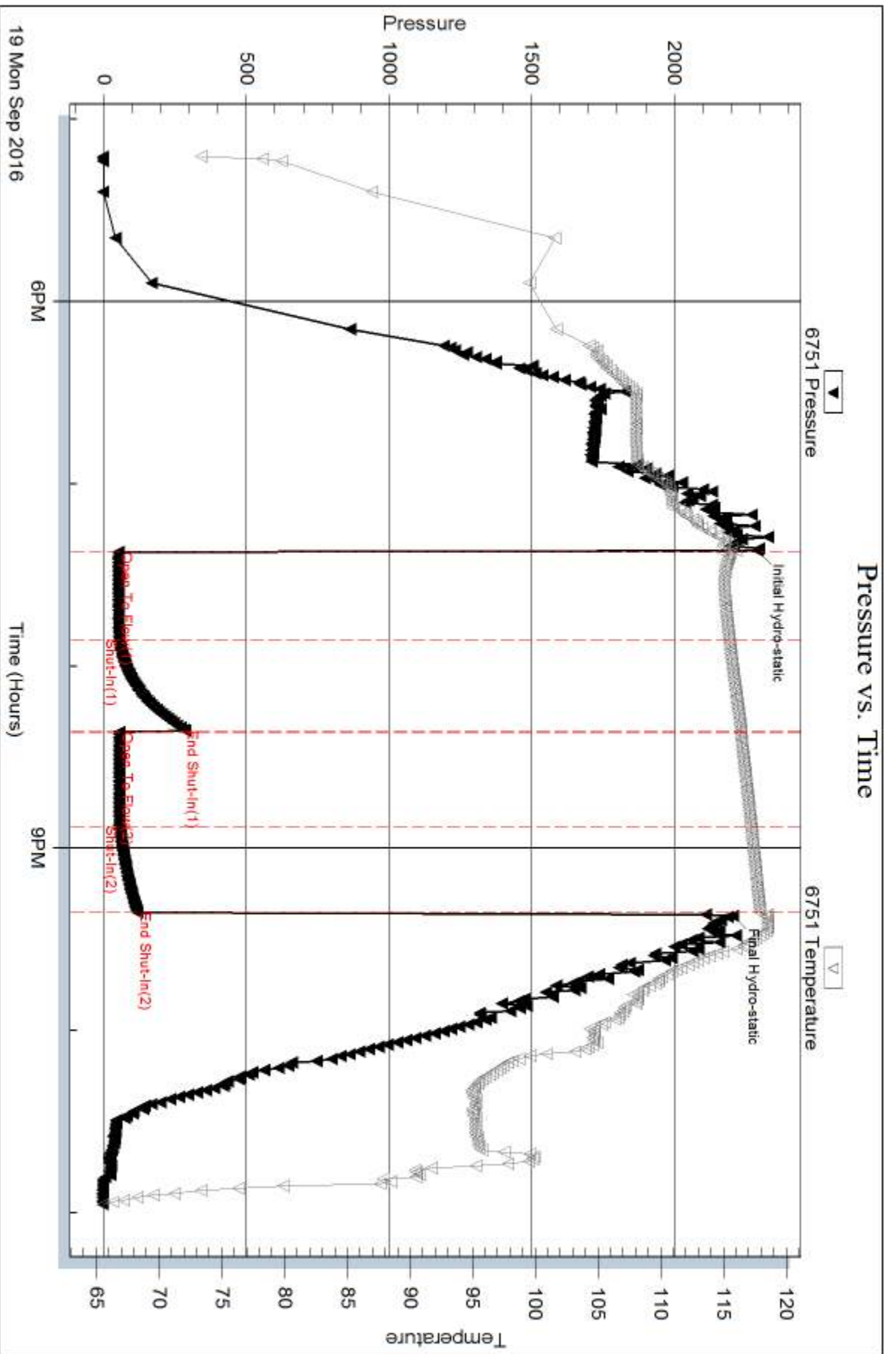
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



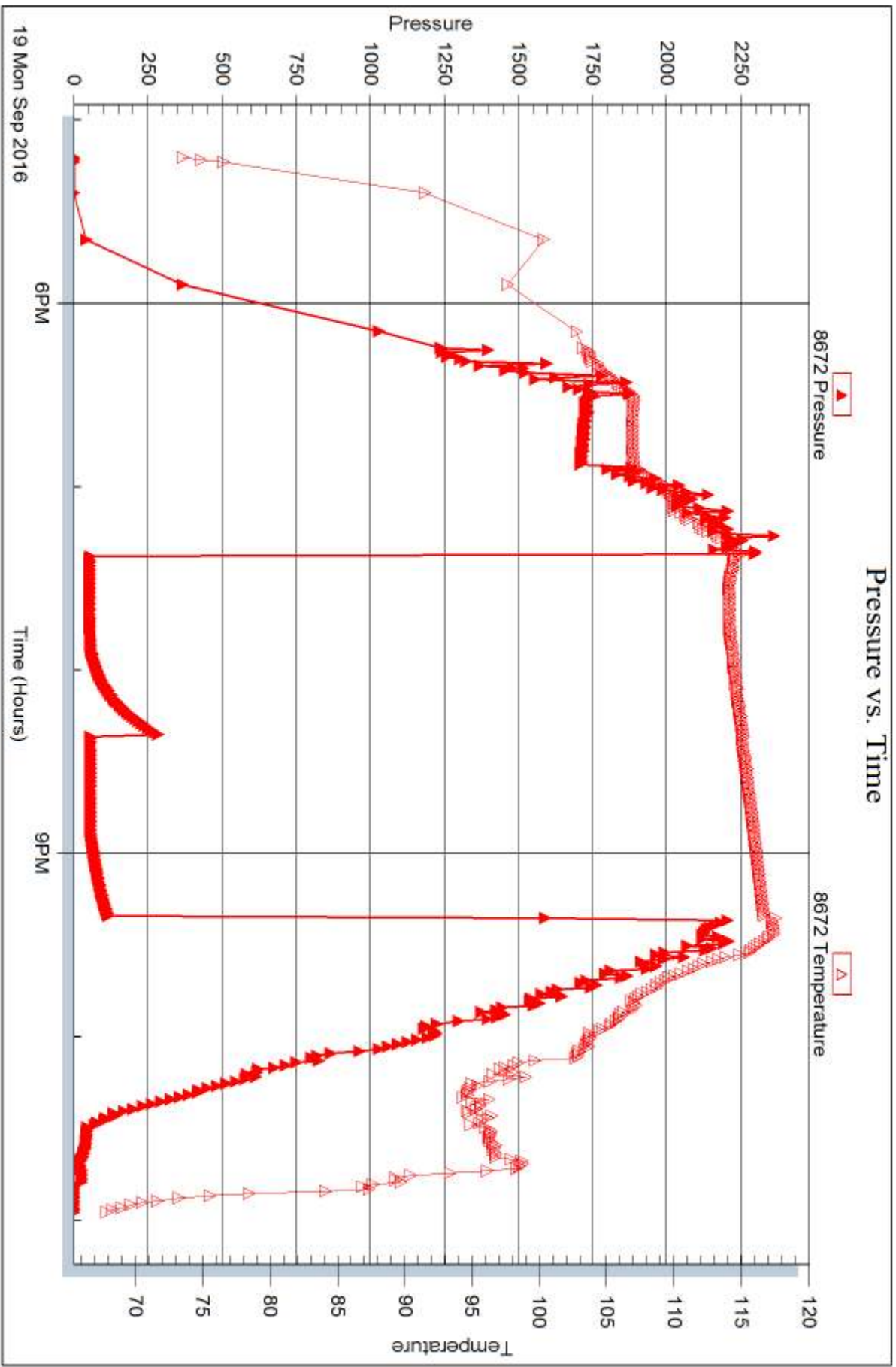
Serial #: 8672

Inside

American Warrior Inc.

Keigh #1-3

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65612

Printed: 2016.09.22 @ 08:47:15



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O. Box 399
Garden City KS 67846

ATTN: Luke Thompson

Kreigh #1-3

3-14s-35w Logan,KS

Start Date: 2016.09.21 @ 04:17:15

End Date: 2016.09.21 @ 10:54:45

Job Ticket #: 65613 DST #: 2

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

Printed: 2016.09.22 @ 08:46:14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65613

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.09.21 @ 04:17:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:38:45

Time Test Ended: 10:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4302.00 ft (KB) To 4352.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4302.00 ft (KB) (TVD)

3057.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 6751

Outside

Press@RunDepth: 113.10 psig @ 4342.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.09.21

End Date:

2016.09.21

Last Calib.:

2016.09.21

Start Time: 04:17:15

End Time:

10:54:45

Time On Btm:

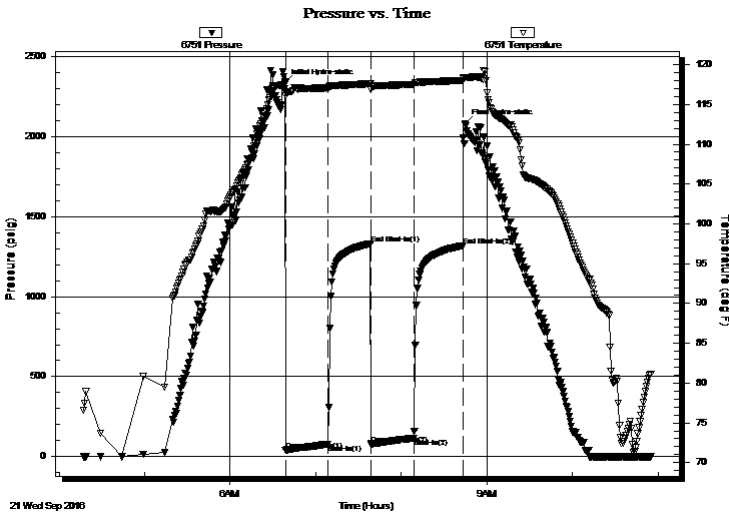
2016.09.21 @ 06:38:30

Time Off Btm:

2016.09.21 @ 08:44:45

TEST COMMENT: IF:Built to 3" blow
IS:No return blow
FF:Built to 2" blow
FS:No return blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2335.68 | 116.93 | Initial Hydro-static |
| 1 | 39.79 | 116.07 | Open To Flow (1) |
| 30 | 77.71 | 117.07 | Shut-In(1) |
| 60 | 1331.60 | 117.60 | End Shut-In(1) |
| 61 | 77.41 | 116.88 | Open To Flow (2) |
| 91 | 113.10 | 117.51 | Shut-In(2) |
| 125 | 1319.50 | 118.01 | End Shut-In(2) |
| 127 | 2079.97 | 118.33 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 130.00 | mud 100%m | 1.82 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65613

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.09.21 @ 04:17:15

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4289.00 ft | Diameter: 3.80 inches | Volume: 60.16 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: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 60.16 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4302.00 ft | | | Final 62000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 449.00 ft | | | |
| Tool Length: | 477.00 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 | | | 4275.00 | |
| Shut In Tool | 5.00 | | | 4280.00 | |
| Hydraulic tool | 5.00 | | | 4285.00 | |
| Jars | 5.00 | | | 4290.00 | |
| Safety Joint | 3.00 | | | 4293.00 | |
| Packer | 5.00 | | | 4298.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4302.00 | |
| Stubb | 1.00 | | | 4303.00 | |
| Perforations | 5.00 | | | 4308.00 | |
| Change Over Sub | 1.00 | | | 4309.00 | |
| Drill Pipe | 32.00 | | | 4341.00 | |
| Change Over Sub | 1.00 | | | 4342.00 | |
| Recorder | 0.00 | 8672 | Inside | 4342.00 | |
| Recorder | 0.00 | 6751 | Outside | 4342.00 | |
| Perforations | 5.00 | | | 4347.00 | |
| Blank Off Sub | 1.00 | | | 4348.00 | |
| Packer - Shale | 4.00 | | | 4352.00 | |
| Stubb | 1.00 | | | 4353.00 | |
| Perforations | 16.00 | | | 4369.00 | |
| Change Over Sub | 1.00 | | | 4370.00 | |
| Recorder | 0.00 | 8673 | Below | 4370.00 | |
| Drill Pipe | 375.00 | | | 4745.00 | |
| Change Over Sub | 1.00 | | | 4746.00 | |
| Bullnose | 5.00 | | | 4751.00 | 449.00 Bottom Packers & Anchor |
| Total Tool Length: | 477.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

3-14s-35w Logan,KS

P.O. Box 399
Garden City KS 67846

Kreigh #1-3

Job Ticket: 65613

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.09.21 @ 04:17:15

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.28 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 130.00 | mud 100%m | 1.824 |

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

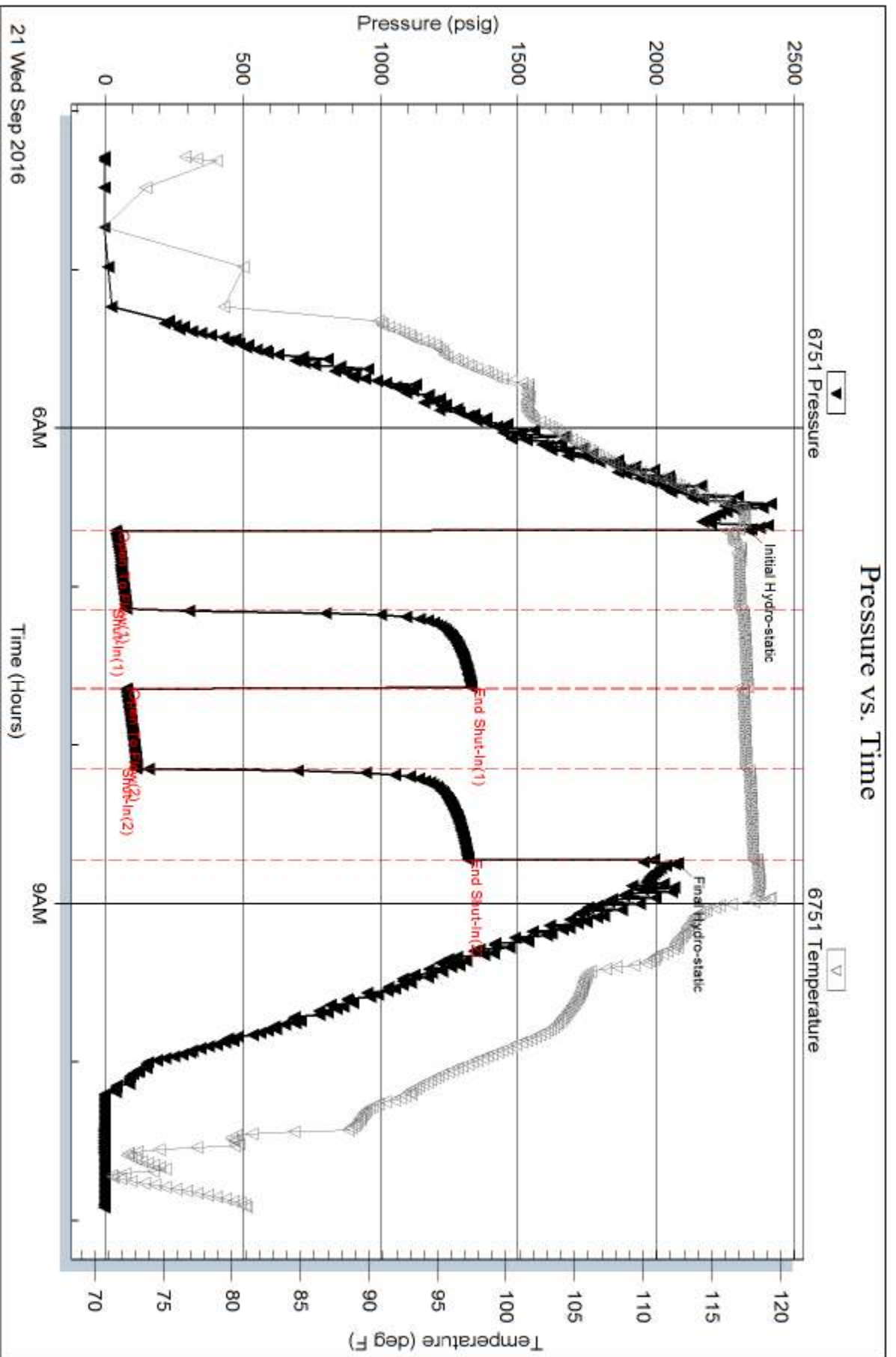
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

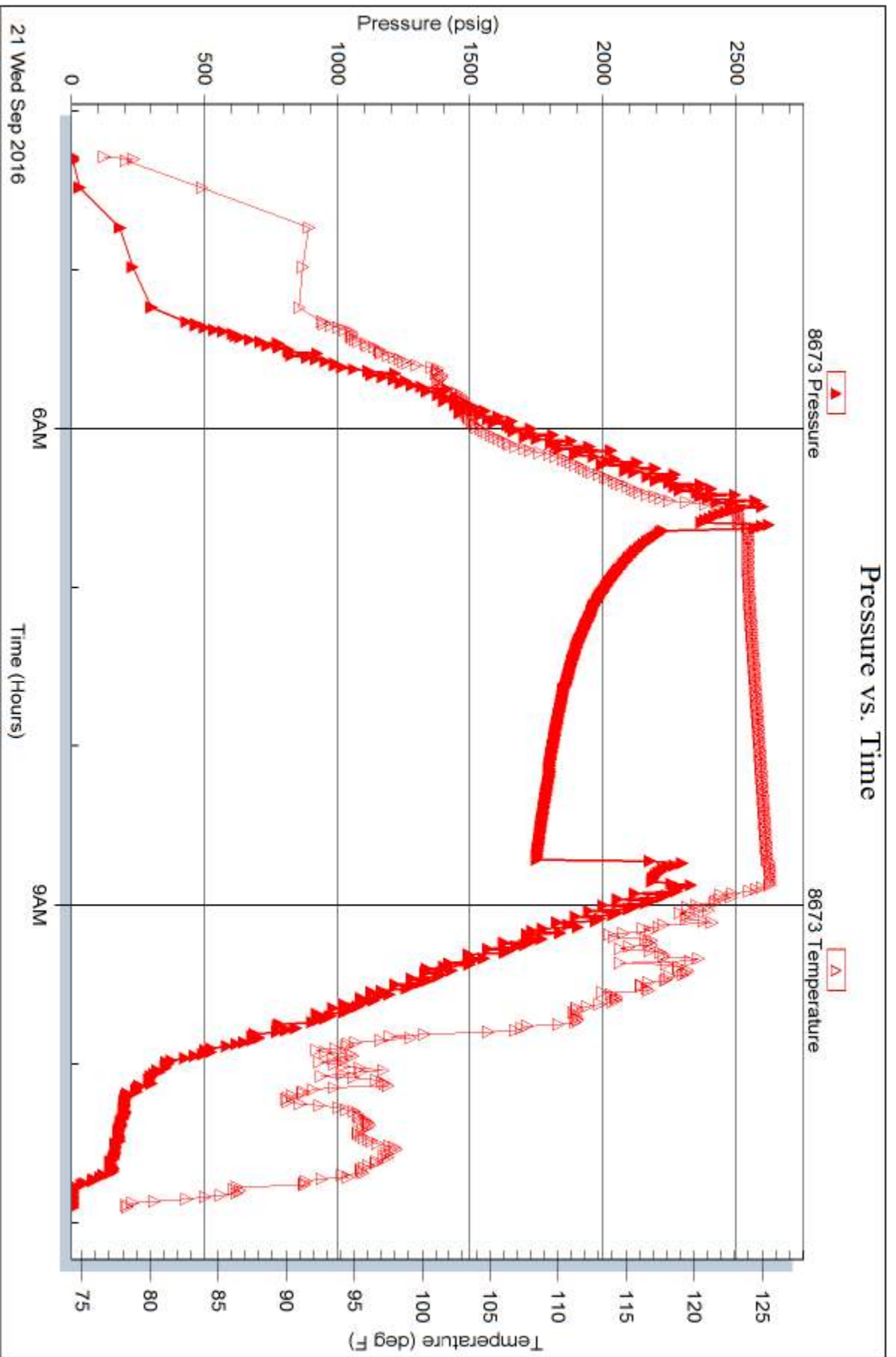


Serial #: 8673

Below (Strat)dejan Warrior Inc.

Keigh #1-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65613

Printed: 2016.09.22 @ 08:46:16

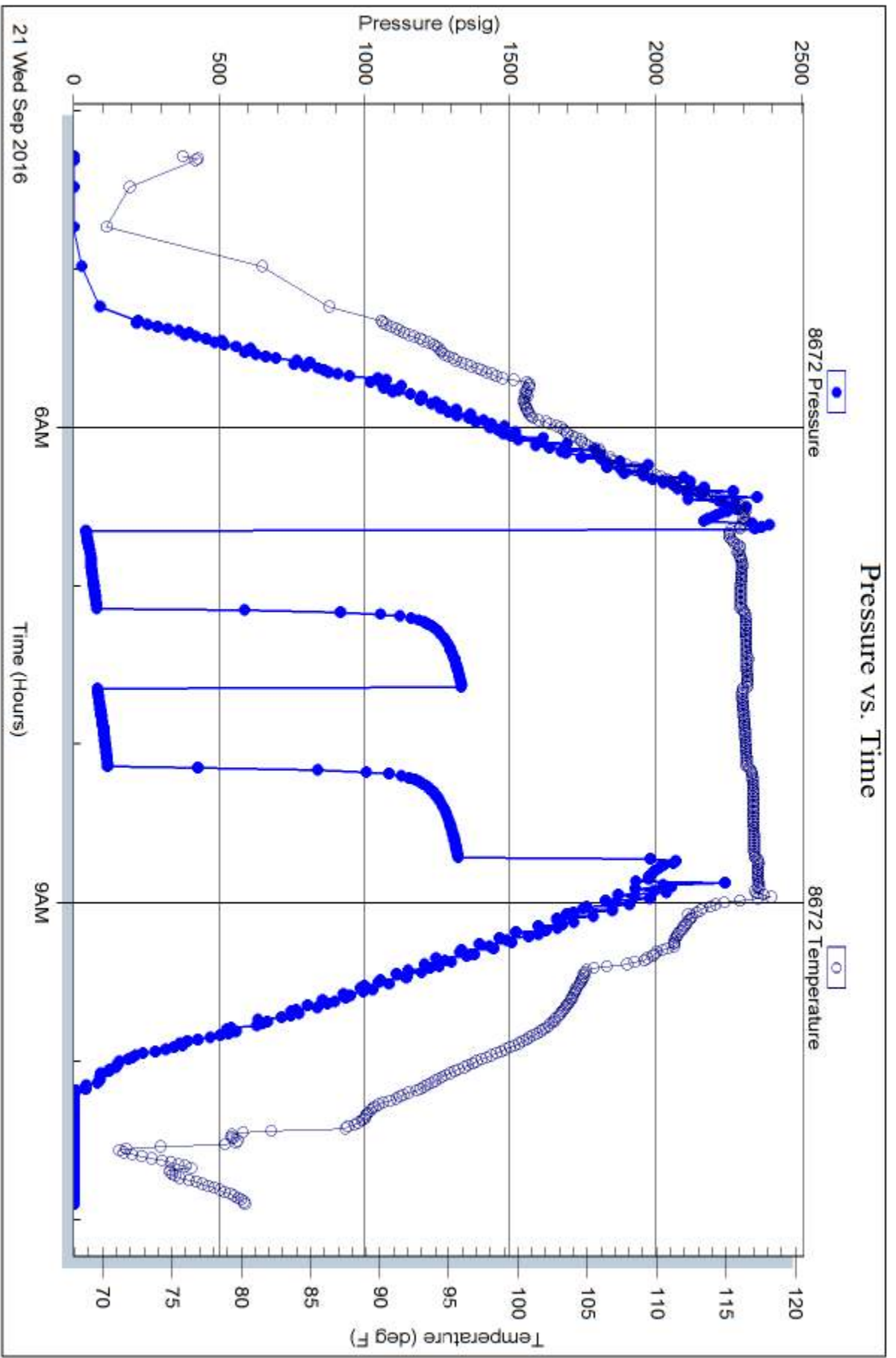
Serial #: 8672

Inside

American Warrior Inc.

Keigh #1-3

DST Test Number: 2

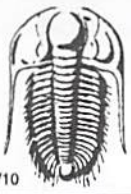


21 Wed Sep 2016

Trilobite Testing, Inc

Ref. No: 65613

Printed: 2016.09.22 @ 08:46:16



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65612**

Well Name & No. Kreigh #1-3 Test No. 1 Date 9-~~18~~-16¹⁹
 Company American Warrior Inc Elevation 3065 KB 3057 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Disco 2
 Location: Sec. 3 Twp. 14S Rge. 35W Co. Logan State KS

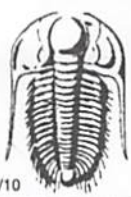
Interval Tested 4425-4515 Zone Tested Ft. Scott - Johnson
 Anchor Length 90 Drill Pipe Run 4412 Mud Wt. 9.2
 Top Packer Depth 4420 Drill Collars Run Ø Vis 52
 Bottom Packer Depth 4425 Wt. Pipe Run Ø WL 10.4
 Total Depth 4515 Chlorides 5000 ppm System LCM 1
 Blow Description IF: Boilt to 1/8" Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|---------------------------|------|------|------------|------|
| <u>10</u> | <u>MVA with oil spots</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 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2290</u> | <input checked="" type="checkbox"/> Test <u>\$ 1150.00</u> | T-On Location <u>15:39</u> |
| (B) First Initial Flow <u>52</u> | <input checked="" type="checkbox"/> Jars <u>\$ 250.00</u> | T-Started <u>17:12</u> |
| (C) First Final Flow <u>54</u> | <input checked="" type="checkbox"/> Safety Joint <u>\$ 75.00</u> | T-Open <u>19:22</u> |
| (D) Initial Shut-In <u>284</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>21:22</u> |
| (E) Second Initial Flow <u>55</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>22:57</u> |
| (F) Second Final Flow <u>55</u> | <input checked="" type="checkbox"/> Mileage <u>140 RT = 105.00</u> | Comments |
| (G) Final Shut-In <u>118</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2205</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Day Standby | Total <u>1580</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>\$1580.00/-</u> | |

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. **65613**

Well Name & No. Kreigh #1-3 Test No. 2 Date 9-21-16
 Company American Warrior Inc Elevation 3065 KB 3057 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Disco 2
 Location: Sec. 3 Twp. 14S Rge. 35W Co. Logan State KS

Interval Tested 4302-4352 Zone Tested Marmaton
 Anchor Length 50 Drill Pipe Run 4289 Mud Wt. 9.2
 Top Packer Depth 4297 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4302 Wt. Pipe Run 0 WL 10.4
 Total Depth 4352 Chlorides 5500 ppm System LCM 2
 Blow Description IF: Built to 3" Blow
IS: No Return Blow
FF: Built to 2" Blow
FS: No Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|------|------------|------|
| <u>130</u> | <u>MVA</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 130 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2335</u> | <input checked="" type="checkbox"/> Test <u>\$1150.00/-</u> | T-On Location <u>02:15</u> |
| (B) First Initial Flow <u>39</u> | <input checked="" type="checkbox"/> Jars <u>\$250.00/-</u> | T-Started <u>04:17</u> |
| (C) First Final Flow <u>77</u> | <input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u> | T-Open <u>06:38</u> |
| (D) Initial Shut-In <u>1331</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>08:38</u> |
| (E) Second Initial Flow <u>77</u> | <input type="checkbox"/> Hourly Standby <u>140 RT = \$105.00</u> | T-Out <u>10:54</u> |
| (F) Second Final Flow <u>113</u> | <input checked="" type="checkbox"/> Mileage <u>→</u> | Comments _____ |
| (G) Final Shut-In <u>13A</u> | <input type="checkbox"/> Sampler _____ | _____ |
| (H) Final Hydrostatic <u>2079</u> | <input checked="" type="checkbox"/> Straddle <u>\$600.00/-</u> | <input type="checkbox"/> Ruined Shale Packer _____ |
| | <input checked="" type="checkbox"/> Shale Packer <u>\$250.00/-</u> | <input type="checkbox"/> Ruined Packer _____ |
| Initial Open <u>30</u> | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Extra Copies _____ |
| Initial Shut-In <u>30</u> | <input type="checkbox"/> Extra Recorder _____ | Sub Total <u>0</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Day Standby _____ | Total <u>2430</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Accessibility _____ | MP/DST Disc't _____ |
| | Sub Total <u>\$2430.00/-</u> | |

Approved By [Signature]

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.