



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Luke Thompson

Timothy #1-22

22-22s-34w Finney,KS

Start Date: 2015.03.10 @ 16:40:33

End Date: 2015.03.10 @ 22:52:03

Job Ticket #: 61528 DST #: 1

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

Printed: 2015.03.16 @ 15:09:53



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Luke Thompson

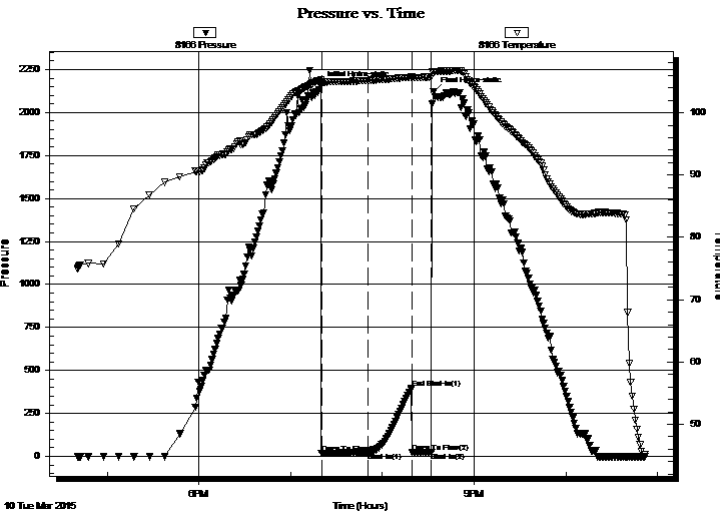
22-22s-34w Finney, KS
Timothy #1-22
Job Ticket: 61528 **DST#: 1**
Test Start: 2015.03.10 @ 16:40:33

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 19:20:03
Time Test Ended: 22:52:03
Interval: **4332.00 ft (KB) To 4403.00 ft (KB) (TVD)**
Total Depth: 4403.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2945.00 ft (KB)
2935.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8166 Outside
Press@RunDepth: 21.51 psig @ 4333.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.03.10 End Date: 2015.03.10 Last Calib.: 2015.03.10
Start Time: 16:40:38 End Time: 22:52:02 Time On Btm: 2015.03.10 @ 19:19:33
Time Off Btm: 2015.03.10 @ 20:33:33

TEST COMMENT: IF: Surface blow died in 6 min.
IS: No return.
FF: No blow.
FS: Pulled tool.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2153.77 | 105.27 | Initial Hydro-static |
| 1 | 17.64 | 104.56 | Open To Flow (1) |
| 31 | 21.51 | 105.18 | Shut-In(1) |
| 60 | 397.39 | 105.71 | End Shut-In(1) |
| 60 | 22.18 | 105.58 | Open To Flow (2) |
| 73 | 23.95 | 105.75 | Shut-In(2) |
| 74 | 2121.30 | 106.59 | Final Hydro-static |

Recovery

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

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Luke Thompson

22-22s-34w Finney, KS
Timothy #1-22
Job Ticket: 61528 DST#: 1
Test Start: 2015.03.10 @ 16:40:33

GENERAL INFORMATION:

Formation: Marmaton
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 19:20:03
Time Test Ended: 22:52:03
Interval: 4332.00 ft (KB) To 4403.00 ft (KB) (TVD)
Total Depth: 4403.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 2945.00 ft (KB)
2935.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8373 Inside
Press@RunDepth: psig @ 4333.00 ft (KB)
Start Date: 2015.03.10 End Date: 2015.03.10
Start Time: 16:40:15 End Time: 22:52:09
Capacity: 8000.00 psig
Last Calib.: 2015.03.10
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface blow died in 6 min.
IS: No return.
FF: No blow.
FS: Pulled tool.

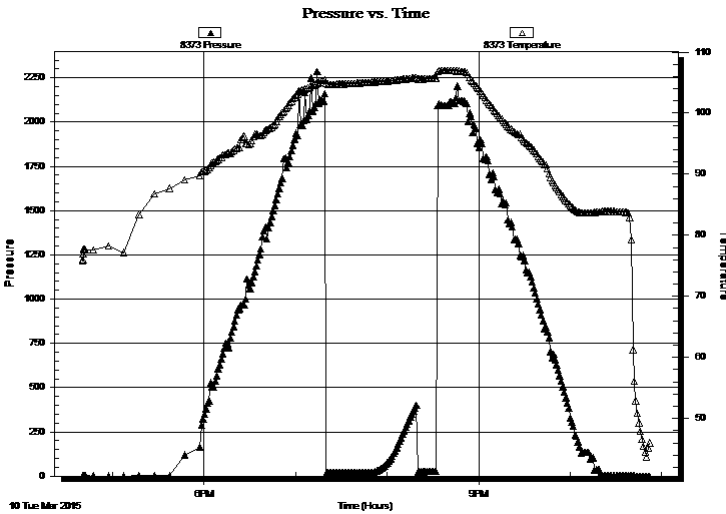


Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), and Annotation. This table is currently empty.

Recovery

Table with 3 columns: Length (ft), Description, and Volume (bbl). Contains one entry: 5.00 ft, mud 100% m, 0.02 bbl.

Gas Rates

Table with 4 columns: Choke (inches), Pressure (psig), and Gas Rate (Mcf/d). This table is currently empty.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

22-22s-34w Finney, KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61528

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.03.10 @ 16:40:33

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4072.00 ft | Diameter: 3.80 inches | Volume: 57.12 bbl | Tool Weight: 2000.00 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: 246.00 ft | Diameter: 2.25 inches | Volume: 1.21 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 58.33 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 13.00 ft | | | String Weight: Initial 68000.00 lb |
| Depth to Top Packer: | 4332.00 ft | | | Final 68000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 71.00 ft | | | |
| Tool Length: | 98.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Stubb | 1.00 | | | 4306.00 | |
| Shut In Tool | 5.00 | | | 4311.00 | |
| Hydraulic tool | 5.00 | | | 4316.00 | |
| Jars | 5.00 | | | 4321.00 | |
| Safety Joint | 2.00 | | | 4323.00 | |
| Packer | 5.00 | | | 4328.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4332.00 | |
| Stubb | 1.00 | | | 4333.00 | |
| Recorder | 0.00 | 8373 | Inside | 4333.00 | |
| Recorder | 0.00 | 8166 | Outside | 4333.00 | |
| Perforations | 1.00 | | | 4334.00 | |
| Change Over Sub | 1.00 | | | 4335.00 | |
| Drill Pipe | 62.00 | | | 4397.00 | |
| Change Over Sub | 1.00 | | | 4398.00 | |
| Bullnose | 5.00 | | | 4403.00 | 71.00 Bottom Packers & Anchor |

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

22-22s-34w Finney,KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61528

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.03.10 @ 16:40:33

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 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

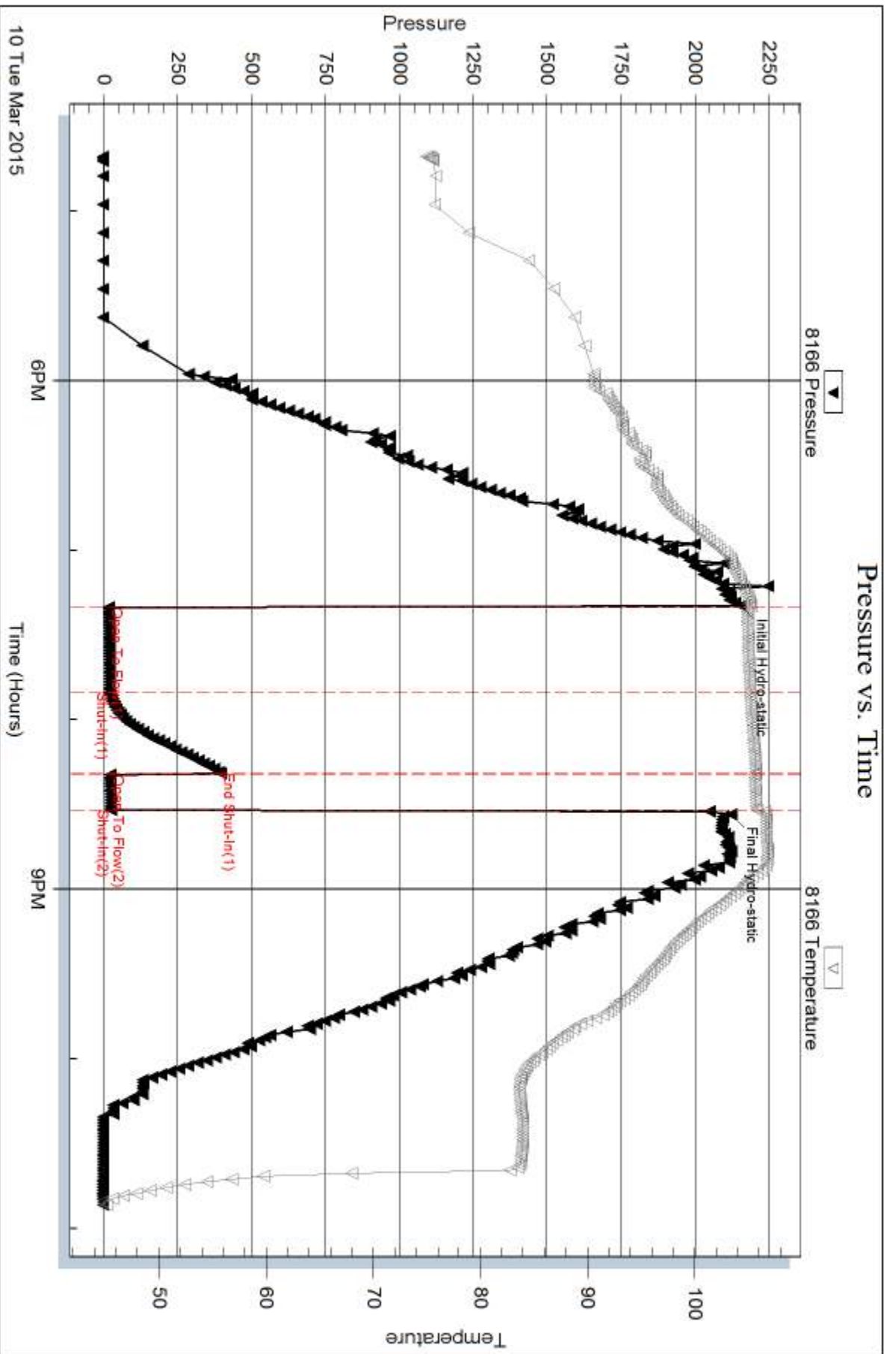
Num Gas Bombs: 0

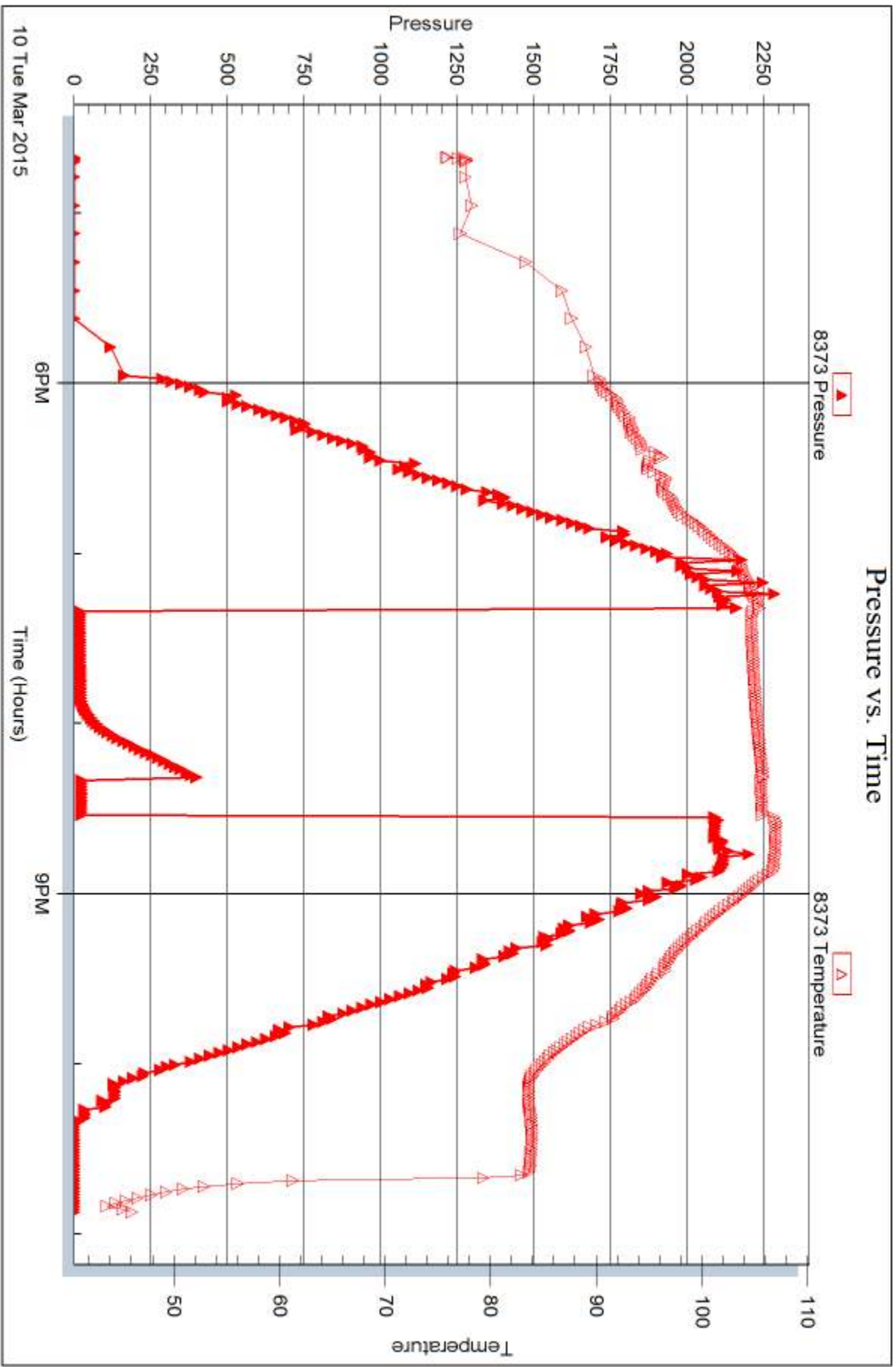
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Luke Thompson

Timothy #1-22

22-22s-34w Finney,KS

Start Date: 2015.03.12 @ 20:00:55

End Date: 2015.03.13 @ 03:25:40

Job Ticket #: 61471 DST #: 2

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

Printed: 2015.03.16 @ 15:09:29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Luke Thompson

22-22s-34w Finney, KS

Timothy #1-22

Job Ticket: 61471

DST#: 2

Test Start: 2015.03.12 @ 20:00:55

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:59:25

Time Test Ended: 03:25:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 4667.00 ft (KB) To 4890.00 ft (KB) (TVD)

Reference Elevations: 2945.00 ft (KB)

Total Depth: 4890.00 ft (KB) (TVD)

2935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6771

Outside

Press@RunDepth: 1058.84 psig @ 4668.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.12

End Date:

2015.03.13

Last Calib.:

2015.03.13

Start Time: 20:00:55

End Time:

03:06:40

Time On Btm:

2015.03.12 @ 22:59:10

Time Off Btm:

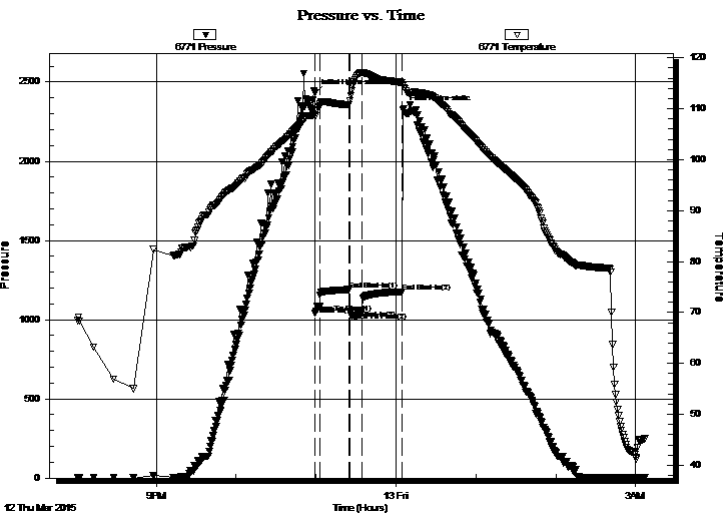
2015.03.13 @ 00:05:10

TEST COMMENT: B.O.B. in 1 min

No return

B.O.B. in 1 1/2 min.

No return



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2429.33 | 108.83 | Initial Hydro-static |
| 1 | 1042.90 | 108.52 | Open To Flow (1) |
| 4 | 1083.60 | 110.53 | Shut-In(1) |
| 26 | 1189.17 | 110.77 | End Shut-In(1) |
| 27 | 1045.88 | 111.65 | Open To Flow (2) |
| 36 | 1058.84 | 117.12 | Shut-In(2) |
| 66 | 1175.89 | 115.15 | End Shut-In(2) |
| 66 | 2325.13 | 114.52 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 1240.00 | water 100%w | 15.15 |
| 496.00 | m c w 15% m 85%w | 6.96 |
| 124.00 | m c w 50% m 50%w | 1.74 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

American Warrior Inc

22-22s-34w Finney,KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61471

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.03.12 @ 20:00:55

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:59:25

Time Test Ended: 03:25:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 84

Interval: **4667.00 ft (KB) To 4890.00 ft (KB) (TVD)**

Total Depth: 4890.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2945.00 ft (KB)

2935.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8844**

Inside

Press@RunDepth: psig @ 4668.00 ft (KB)

Start Date: 2015.03.12

End Date: 2015.03.13

Start Time: 20:00:46

End Time: 03:06:16

Capacity: 8000.00 psig

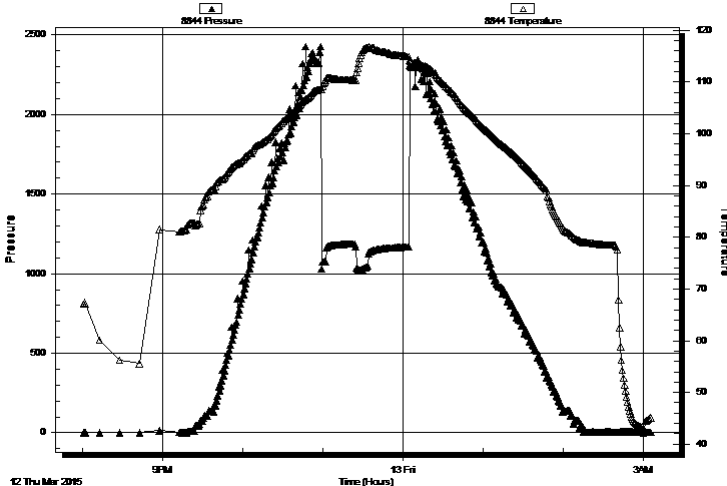
Last Calib.: 2015.03.13

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 1 min
No return
B.O.B. in 1 1/2 min.
No return

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 1240.00 | water 100%w | 15.15 |
| 496.00 | m c w 15%m 85%w | 6.96 |
| 124.00 | m c w 50%m 50%w | 1.74 |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

22-22s-34w Finney,KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61471

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.03.12 @ 20:00:55

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4417.00 ft | Diameter: 3.80 inches | Volume: 61.96 bbl | Tool Weight: 3500.00 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: 246.00 ft | Diameter: 2.25 inches | Volume: 1.21 bbl | Weight to Pull Loose: 95000.00 lb |
| | | | <u>Total Volume: 63.17 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 24.00 ft | | | String Weight: Initial 70000.00 lb |
| Depth to Top Packer: | 4667.00 ft | | | Final 79000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 223.00 ft | | | |
| Tool Length: | 251.00 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 | | | 4640.00 | |
| Shut In Tool | 5.00 | | | 4645.00 | |
| Hydraulic tool | 5.00 | | | 4650.00 | |
| Jars | 5.00 | | | 4655.00 | |
| Safety Joint | 3.00 | | | 4658.00 | |
| Packer | 5.00 | | | 4663.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4667.00 | |
| Stubb | 1.00 | | | 4668.00 | |
| Recorder | 0.00 | 6771 | Outside | 4668.00 | |
| Recorder | 0.00 | 8844 | Inside | 4668.00 | |
| Perforations | 27.00 | | | 4695.00 | |
| Change Over Sub | 1.00 | | | 4696.00 | |
| Drill Pipe | 188.00 | | | 4884.00 | |
| Change Over Sub | 1.00 | | | 4885.00 | |
| Bullnose | 5.00 | | | 4890.00 | 223.00 Bottom Packers & Anchor |

Total Tool Length: 251.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

22-22s-34w Finney,KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61471

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.03.12 @ 20:00:55

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:

39000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|-----------------|---------------|
| 1240.00 | water 100%w | 15.153 |
| 496.00 | m c w 15%m 85%w | 6.958 |
| 124.00 | m c w 50%m 50%w | 1.739 |

Total Length: 1860.00 ft Total Volume: 23.850 bbf

Num Fluid Samples: 0

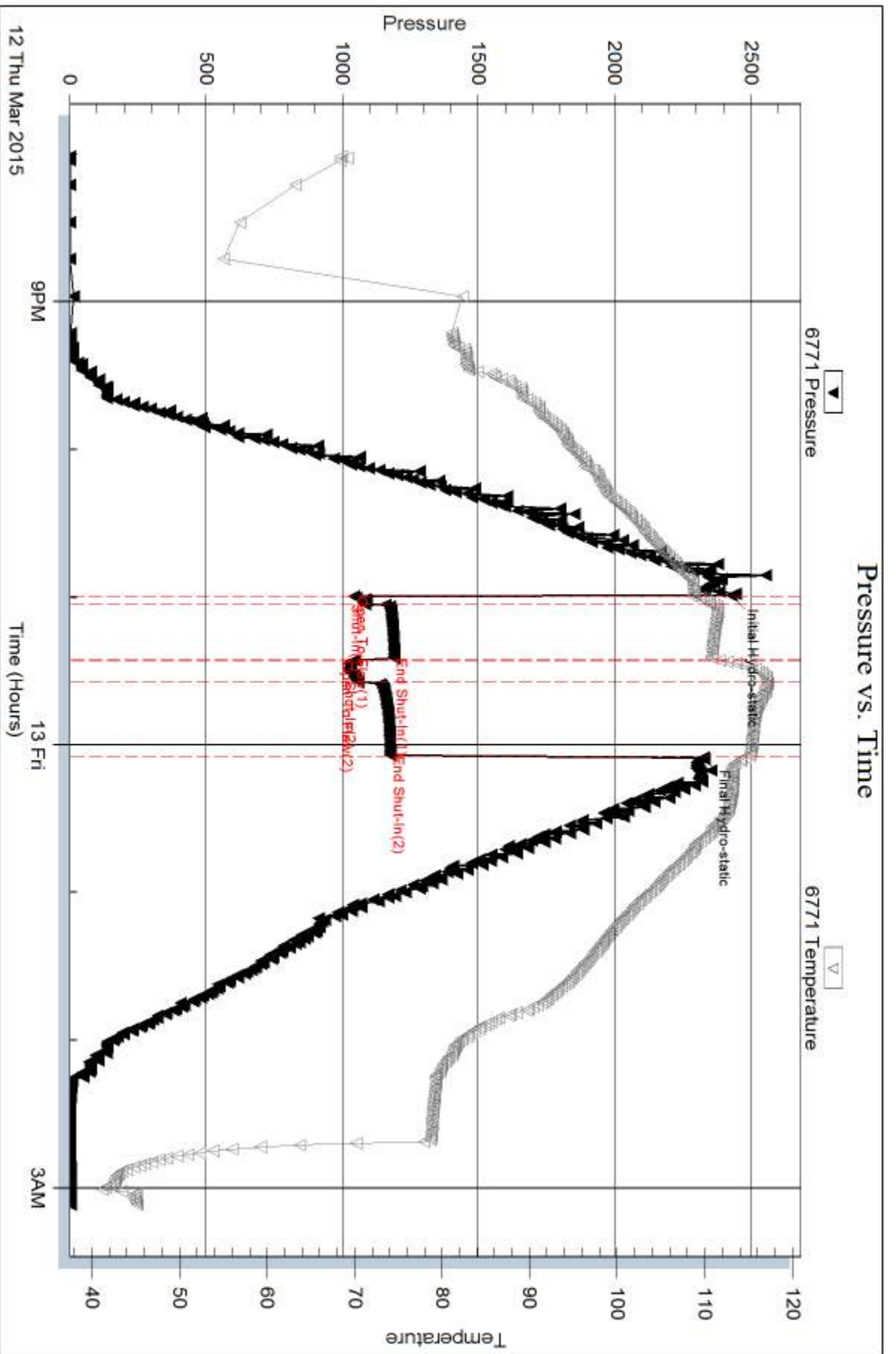
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .226 @ 56*f= 39000 chlor



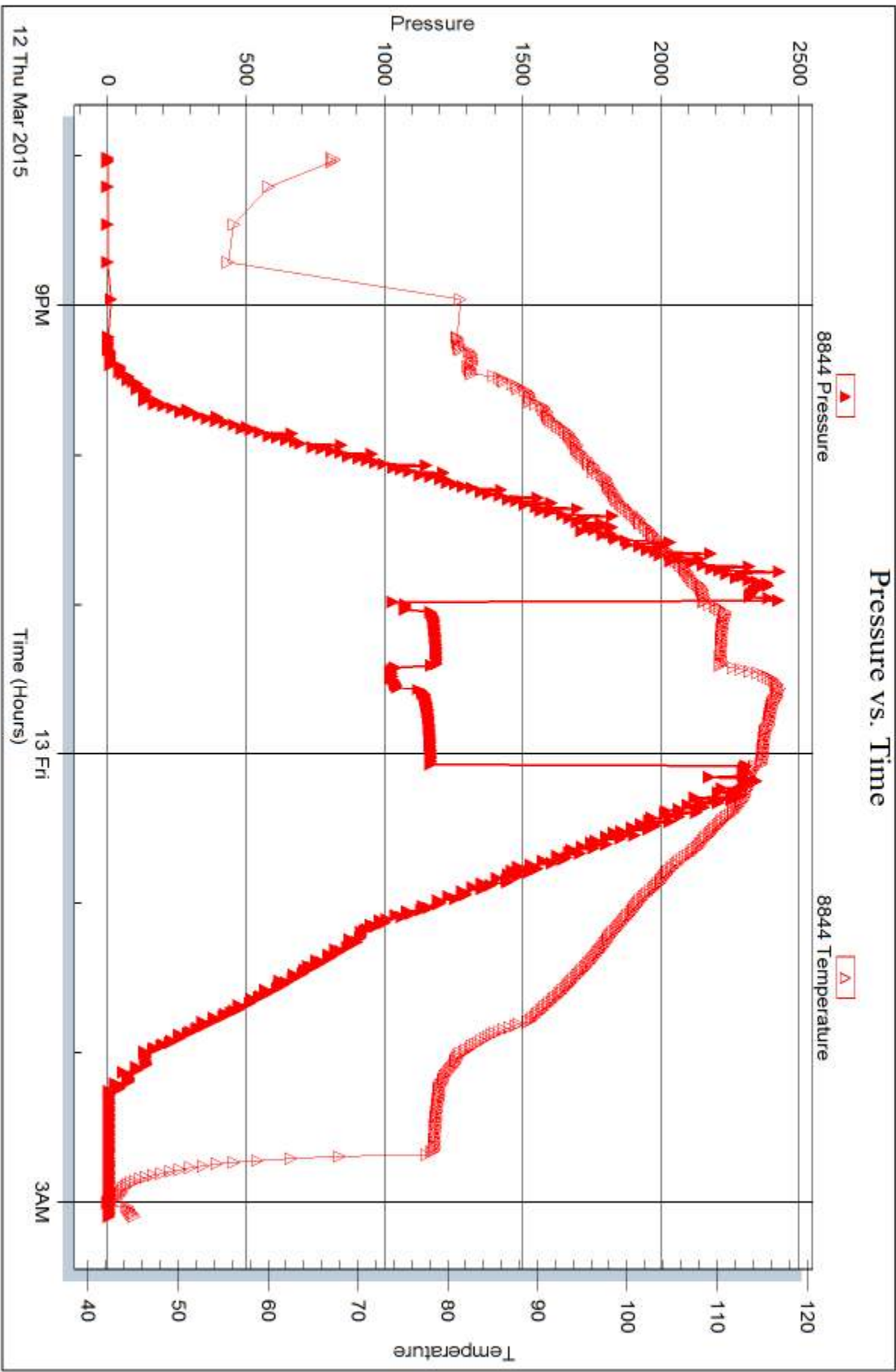
Serial #: 8844

Inside

American Warrior Inc

Timothy #1-22

DST Test Number: 2



Trickle Testing, Inc

Ref. No: 61471

Printed: 2015.03.16 @ 15:09:30



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Luke Thompson

Timothy #1-22

22-22s-34w Finney,KS

Start Date: 2015.03.14 @ 02:22:30

End Date: 2015.03.14 @ 08:45:30

Job Ticket #: 61472 DST #: 3

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

Printed: 2015.03.16 @ 15:08:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Luke Thompson

22-22s-34w Finney, KS

Timothy #1-22

Job Ticket: 61472

DST#: 3

Test Start: 2015.03.14 @ 02:22:30

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 04:28:00

Time Test Ended: 08:45:30

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 4432.00 ft (KB) To 4455.00 ft (KB) (TVD)

Total Depth: 5000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2945.00 ft (KB)

2935.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771 Outside

Press@RunDepth: 26.77 psig @ 4433.00 ft (KB)

Start Date: 2015.03.14

End Date:

2015.03.14

Start Time: 02:22:30

End Time:

08:29:30

Capacity: 8000.00 psig

Last Calib.: 2015.03.14

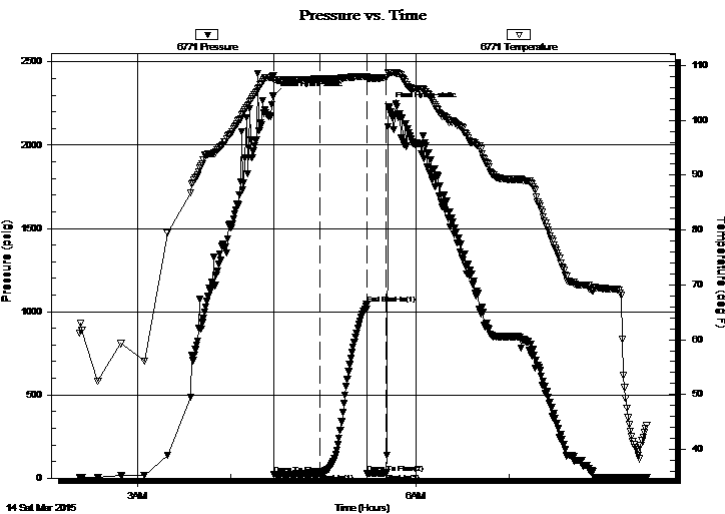
Time On Btm: 2015.03.14 @ 04:27:45

Time Off Btm: 2015.03.14 @ 05:42:15

TEST COMMENT: 1/4" blow died in 19 min.

No return

No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2299.92 | 108.08 | Initial Hydro-static |
| 1 | 21.73 | 107.42 | Open To Flow (1) |
| 31 | 26.77 | 107.53 | Shut-In(1) |
| 61 | 1044.14 | 108.05 | End Shut-In(1) |
| 61 | 28.70 | 107.70 | Open To Flow (2) |
| 73 | 31.02 | 107.81 | Shut-In(2) |
| 75 | 2231.93 | 108.73 | Final Hydro-static |

Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Luke Thompson

22-22s-34w Finney, KS
Timothy #1-22
Job Ticket: 61472 **DST#: 3**
Test Start: 2015.03.14 @ 02:22:30

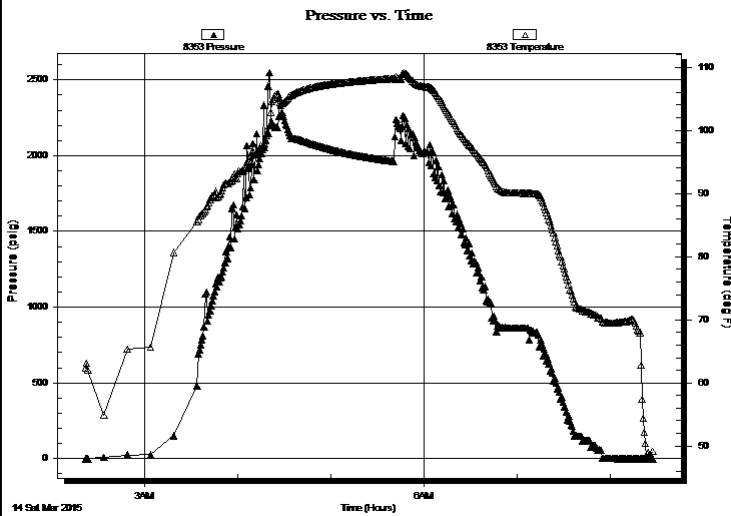
GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 04:28:00
Time Test Ended: 08:45:30
Interval: **4432.00 ft (KB) To 4455.00 ft (KB) (TVD)**
Total Depth: 5000.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 2945.00 ft (KB)
2935.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8353 Below (Straddle)

Press@RunDepth: psig @ 4461.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.03.14 End Date: 2015.03.14 Last Calib.: 2015.03.14
Start Time: 02:22:22 End Time: 08:27:52 Time On Btm:
Time Off Btm:

TEST COMMENT: 1/4" blow died in 19 min.
No return
No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

22-22s-34w Finney, KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61472

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.03.14 @ 02:22:30

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 04:28:00

Time Test Ended: 08:45:30

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 4432.00 ft (KB) To 4455.00 ft (KB) (TVD)

Reference Elevations: 2945.00 ft (KB)

Total Depth: 5000.00 ft (KB) (TVD)

2935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8844 Inside

Press@RunDepth: psig @ 4433.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.14

End Date: 2015.03.14

Last Calib.: 2015.03.14

Start Time: 02:23:14

End Time: 08:25:59

Time On Btm:

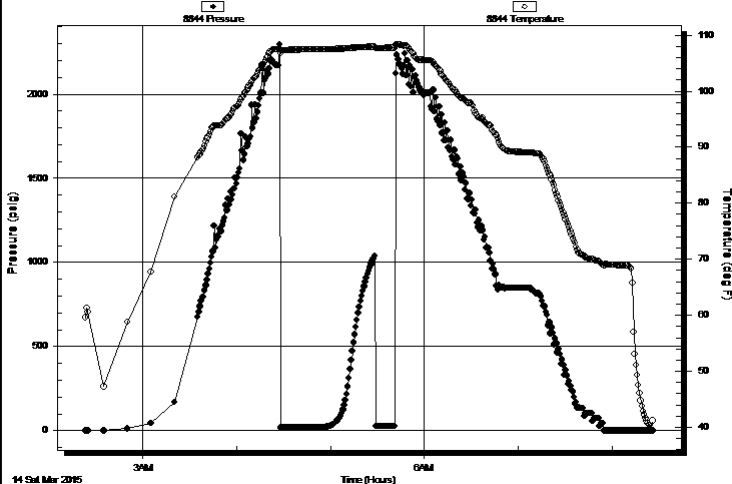
Time Off Btm:

TEST COMMENT: 1/4" blow died in 19 min.

No return

No blow

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |

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 (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

22-22s-34w Finney, KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61472

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.03.14 @ 02:22:30

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4164.00 ft | Diameter: 3.80 inches | Volume: 58.41 bbl | Tool Weight: | 6000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 32000.00 lb |
| Drill Collar: | Length: 246.00 ft | Diameter: 2.25 inches | Volume: 1.21 bbl | Weight to Pull Loose: | 85000.00 lb |
| | | | <u>Total Volume: 59.62 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer: | 4432.00 ft | | | Final | 70000.00 lb |
| Depth to Bottom Packer: | 5000.00 ft | | | | |
| Interval between Packers: | 568.00 ft | | | | |
| Tool Length: | 596.00 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 | | | 4405.00 | |
| Shut In Tool | 5.00 | | | 4410.00 | |
| Hydraulic tool | 5.00 | | | 4415.00 | |
| Jars | 5.00 | | | 4420.00 | |
| Safety Joint | 3.00 | | | 4423.00 | |
| Packer | 5.00 | | | 4428.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4432.00 | |
| Stubb | 1.00 | | | 4433.00 | |
| Recorder | 0.00 | 6771 | Outside | 4433.00 | |
| Recorder | 0.00 | 8844 | Inside | 4433.00 | |
| Perforations | 18.00 | | | 4451.00 | |
| Blank Off Sub | 1.00 | | | 4452.00 | |
| top of s. packer | 3.00 | | | 4455.00 | |
| straddle packer | 0.00 | | | 4455.00 | |
| Stubb | 1.00 | | | 4456.00 | |
| Anchor | 4.00 | | | 4460.00 | |
| Change Over Sub | 1.00 | | | 4461.00 | |
| Recorder | 0.00 | 8353 | Below | 4461.00 | |
| Drill Pipe | 533.00 | | | 4994.00 | |
| Change Over Sub | 1.00 | | | 4995.00 | |
| Bullnose | 5.00 | | | 5000.00 | 568.00 Bottom Packers & Anchor |
| Total Tool Length: | 596.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

22-22s-34w Finney,KS

3118 Cummings Rd
Garden City, KS 67846

Timothy #1-22

Job Ticket: 61472

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.03.14 @ 02:22:30

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 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:

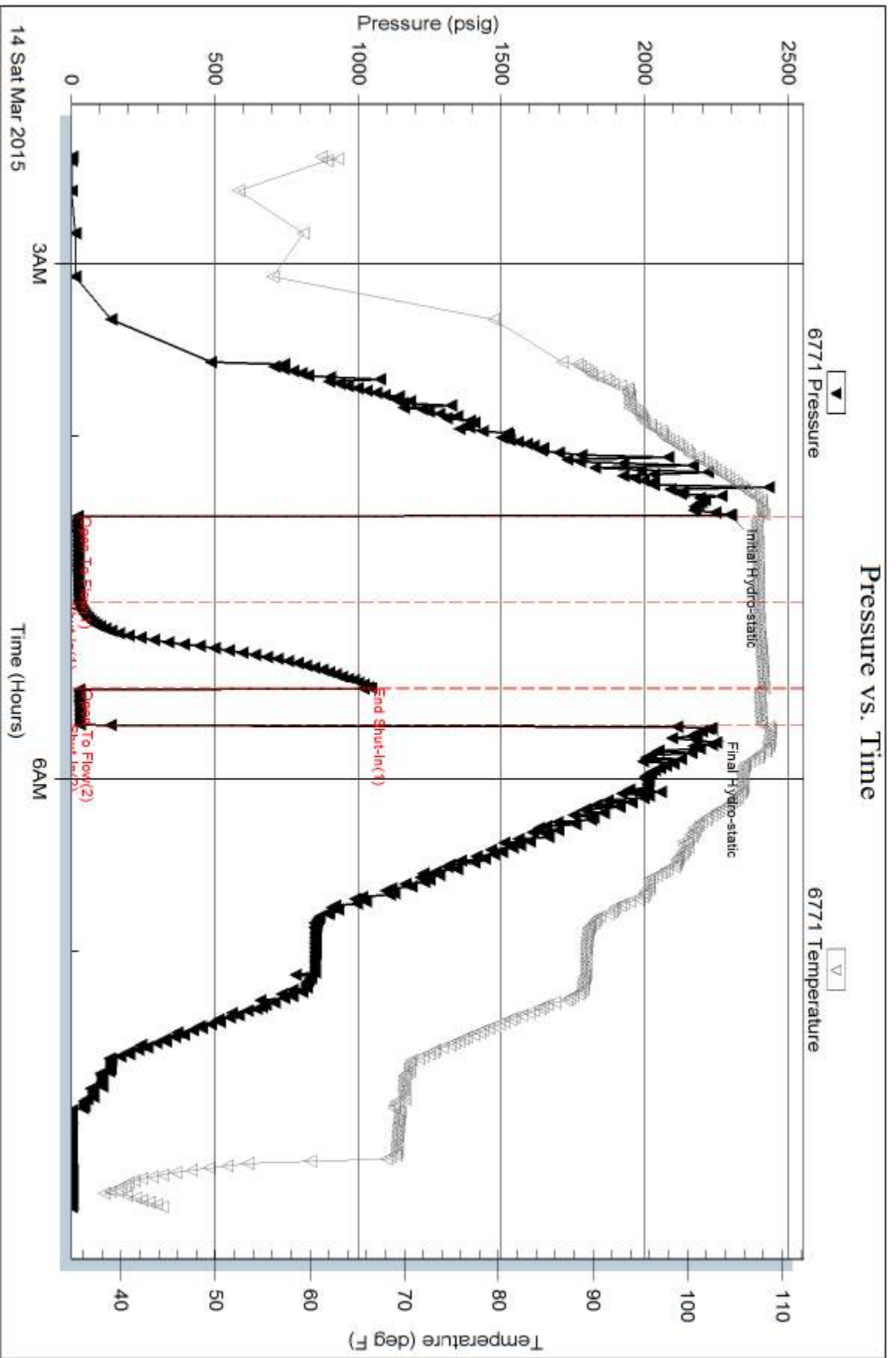
Recovery Comments:

Serial #: 6771

Outside American Warrior Inc

Timothy #1-22

DST Test Number: 3

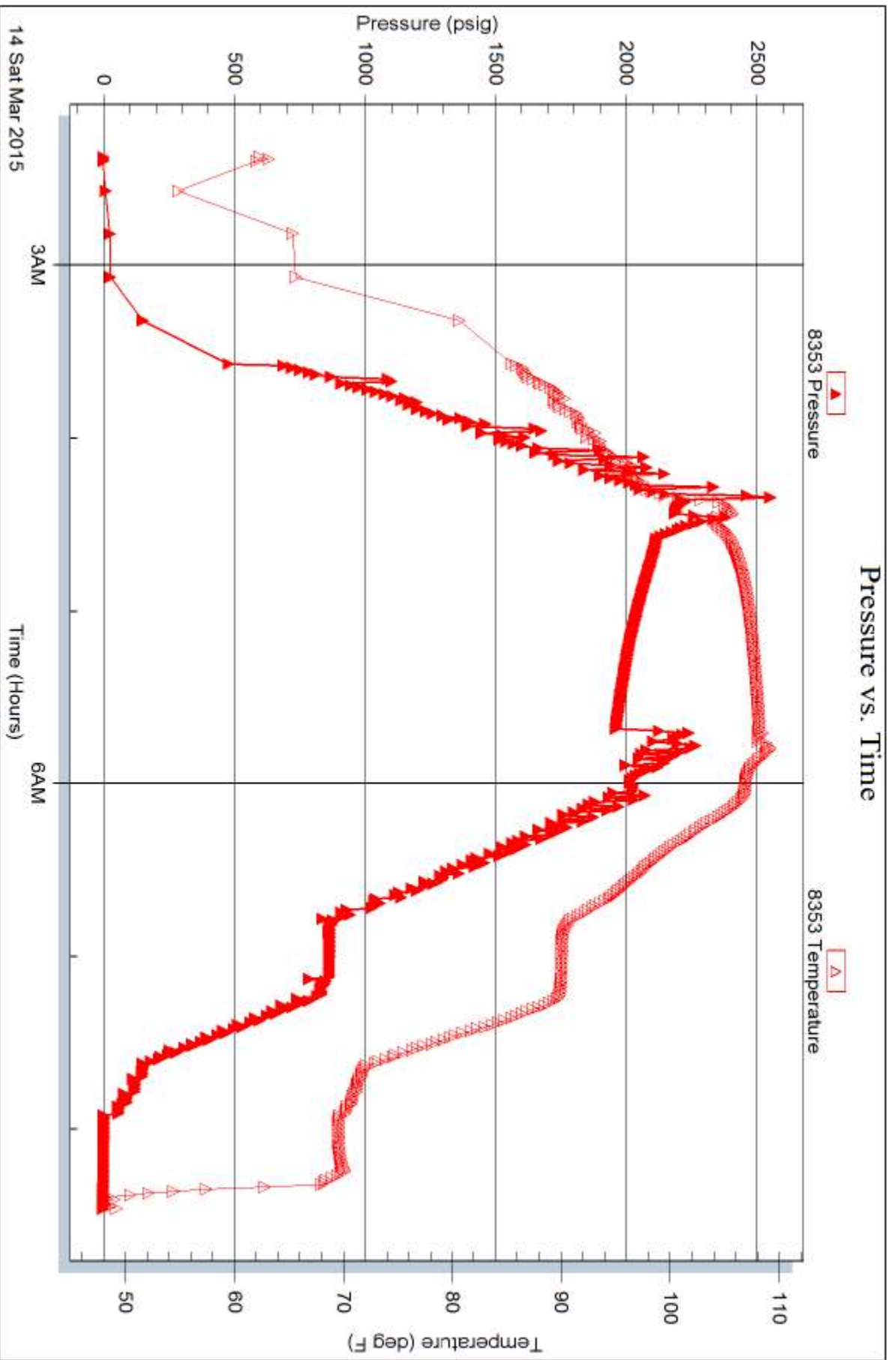


Serial #: 8353

Below (Straddle)an Warrior Inc

Timothy #1-22

DST Test Number: 3



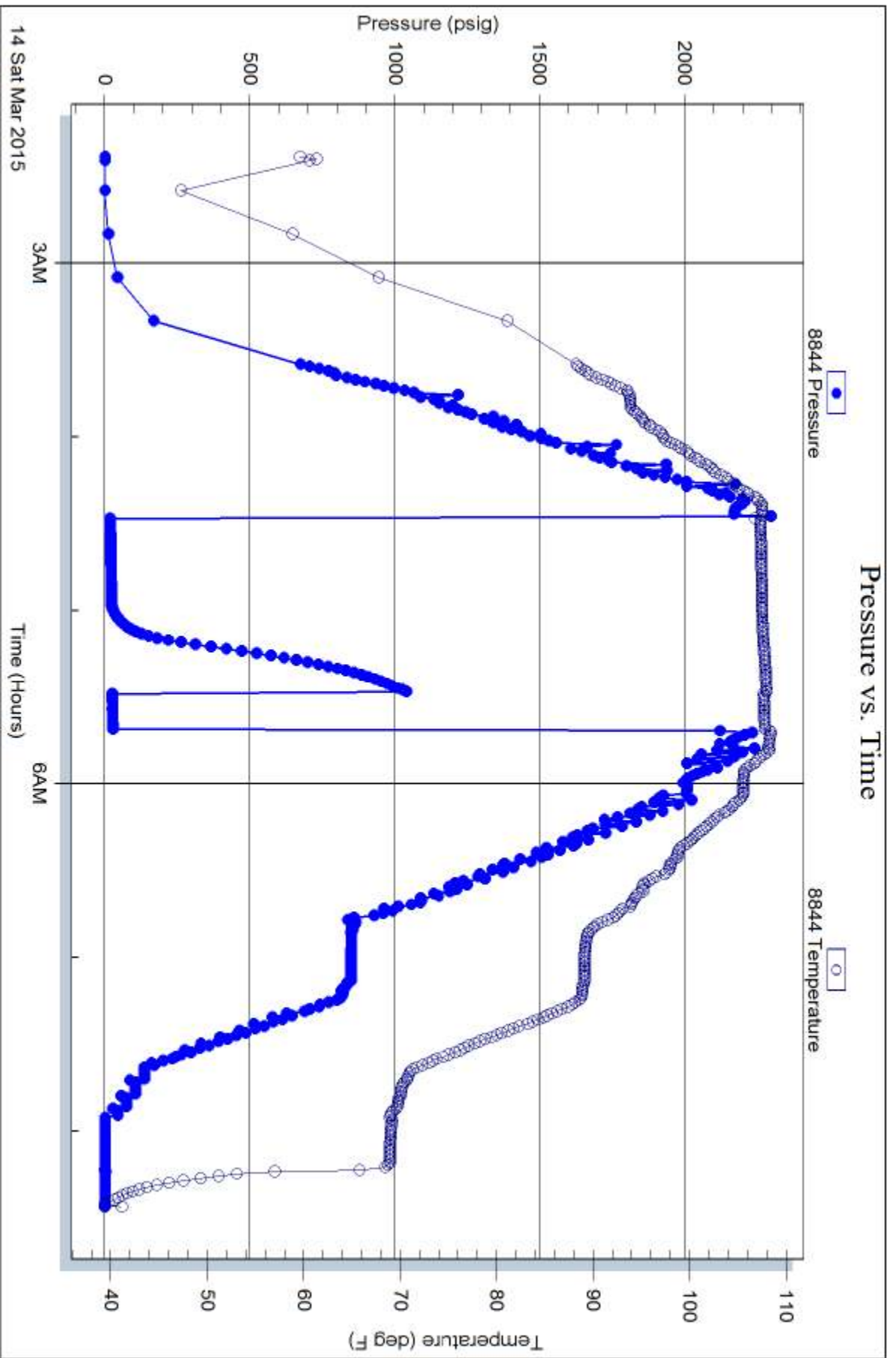
Serial #: 8844

Inside

American Warrior Inc

Timothy #1-22

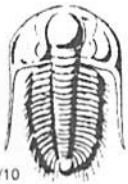
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61472

Printed: 2015.03.16 @ 15:08:27



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61528

Well Name & No. Timothy 1-22 Test No. 1 Date 3-10-15
 Company American Warrior Inc Elevation 2945 KB 2935 GL
 Address 3118 Cummings Rd Garden city, KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke 5
 Location: Sec. 22 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4332 4403 Zone Tested Marmaton
 Anchor Length 71 Drill Pipe Run 4092 Mud Wt. 9.3
 Top Packer Depth 4327 Drill Collars Run 246 Vis 61
 Bottom Packer Depth 4332 Wt. Pipe Run — WL 8.8
 Total Depth 4403 Chlorides 1700 ppm System LCM Z

Blow Description IF: Surface blow died in 6 min.
IS: No return.
FK: No blow.
F5: Pulled tool.

| 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 105 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2153 Test 1150 T-On Location 14:30
 (B) First Initial Flow 17 Jars 250 T-Started 16:40
 (C) First Final Flow 21 Safety Joint 1-100.00 75 T-Open 19:20
 (D) Initial Shut-In 397 Circ Sub N/L T-Pulled 20:30
 (E) Second Initial Flow 22 Hourly Standby — T-Out 22:50
 (F) Second Final Flow 23 Mileage 96- 96
 (G) Final Shut-In — Sampler —
 (H) Final Hydrostatic 2121 Straddle —

Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder — Extra Copies —
 Initial Open 30 Day Standby — Sub Total 0
 Initial Shut-In 30 Accessibility — Total 1571
 Final Flow 10 Sub Total 1571 MP/DST Disc't —
 Final Shut-In pull

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. **61471**

Well Name & No. Timothy #1-22 Test No. #2 Date 3/13/15
 Company American Warrior Inc. Elevation 2945 KB 2935 GL
 Address 3118 Cummings Rd, Garden City KS 67844
 Co. Rep / Geo. Luke Thompson Rig Duke #5
 Location: Sec. 22 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4667 4890 Zone Tested Y Morrow
 Anchor Length 223 Drill Pipe Run 4417 Mud Wt. 9.5
 Top Packer Depth 4662 Drill Collars Run 244 Vis 54
 Bottom Packer Depth 4667 Wt. Pipe Run --- WL 8.8
 Total Depth 4890 Chlorides 2100 ppm System LCM #2

Blow Description B.O.B. in 1m
No return
B.O.B. in 1 1/2 m.w.
No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|----------------------|------|------------|-----------|------|
| <u>124</u> | <u>Mud Cut Water</u> | | <u>50</u> | <u>50</u> | |
| <u>494</u> | <u>M.C.W</u> | | <u>85</u> | <u>15</u> | |
| <u>1240</u> | <u>Water</u> | | <u>100</u> | | |
| | | | | | |
| | | | | | |

Rec Total 1860 BHT 115° Gravity --- API RW .226 @ 56° F Chlorides 39,000 ppm

(A) Initial Hydrostatic 2429 Test 1150 T-On Location 19:45
 (B) First Initial Flow 1042 Jars 250 T-Started 20:00
 (C) First Final Flow 1083 Safety Joint 75 T-Open 23:00
 (D) Initial Shut-In 1189 Circ Sub W/C T-Pulled 00:05
 (E) Second Initial Flow 1045 Hourly Standby T-Out 03:25
 (F) Second Final Flow 1058 Mileage 96 RT 96 Comments _____
 (G) Final Shut-In 1175 Sampler _____
 (H) Final Hydrostatic 2325 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

Initial Open 10
 Initial Shut-In 15
 Final Flow 10
 Final Shut-In 30
 Sub Total 1571
 Total 1571
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61472

Well Name & No. Timothy # 1-22 Test No. #3 Date 3/14/15
 Company American Warrior Inc Elevation 2943 KB 2935 GL
 Address 3118 Cummings Rd. Garden City, Ks 67840
 Co. Rep / Geo. Luke Thompson Rig Duke #3
 Location: Sec. 22 Twp. 22S Rge. 37W Co. Finney State Ks

Interval Tested 4432 4435 Zone Tested Pawnee
 Anchor Length 23 Drill Pipe Run 4164 Mud Wt. 9.4
 Top Packer Depth 4427 4432 Drill Collars Run 244 Vis 04
 Bottom Packer Depth 4432 4455 Wt. Pipe Run — WL 8.8
 Total Depth 5000 Chlorides 2400 ppm System LCM #2

Blow Description 1/4" Blow dred on 19mm.
No return
No 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 108° Gravity — API RW — @ —° F Chlorides — ppm

- (A) Initial Hydrostatic 2299
- (B) First Initial Flow 21
- (C) First Final Flow 26
- (D) Initial Shut-In 1044
- (E) Second Initial Flow 28
- (F) Second Final Flow 31
- (G) Final Shut-In —
- (H) Final Hydrostatic 2231

- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub n/c
- Hourly Standby
- Mileage 96 96
- Sampler
- Straddle 600
- Shale Packer 250
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 2421

- T-On Location 01:50
- T-Started 02:22
- T-Open 04:30
- T-Pulled 05:40
- T-Out 08:45

Comments Released 5'
Loaded tools @ 8:45
3/14/15

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In —

- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 2421
- MP/DST Disc't

Approved By _____ Our Representative [Signature]

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