



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Lillie #2-30

30-16s-10w Ellsworth, KS

Start Date: 2015.08.10 @ 07:39:13

End Date: 2015.08.10 @ 13:47:13

Job Ticket #: 34537 DST #: 1

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

Printed: 2015.08.13 @ 14:13:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34537

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 07:39:13

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:19:13

Time Test Ended: 13:47:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 2850.00 ft (KB) To 2886.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 2886.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 56.69 psig @ 2853.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.10

End Date: 2015.08.10

Last Calib.: 2015.08.10

Start Time: 07:39:14

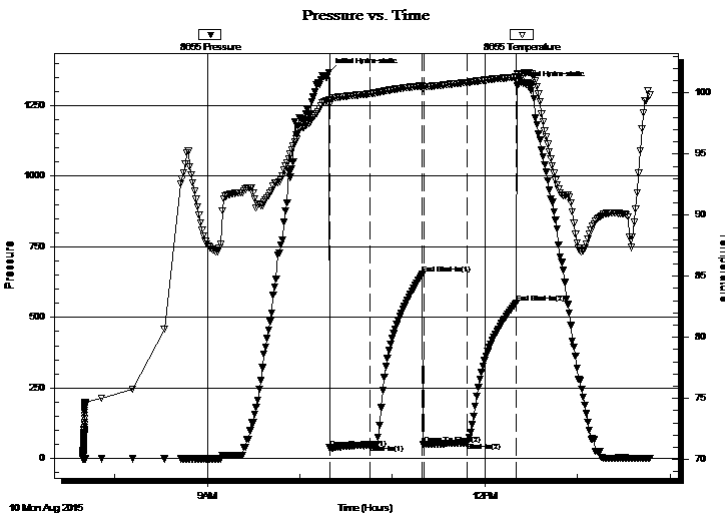
End Time: 13:47:13

Time On Btm: 2015.08.10 @ 10:18:43

Time Off Btm: 2015.08.10 @ 12:20:43

TEST COMMENT: 30- IF- Weak blow built to 1/4"
30- IS- No blow
30- FF- Very weak surface blow
30- FSI- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1367.22 | 99.43 | Initial Hydro-static |
| 1 | 37.81 | 99.03 | Open To Flow (1) |
| 27 | 49.54 | 99.95 | Shut-In(1) |
| 61 | 652.05 | 100.58 | End Shut-In(1) |
| 62 | 50.39 | 100.50 | Open To Flow (2) |
| 90 | 56.69 | 100.85 | Shut-In(2) |
| 122 | 550.55 | 101.31 | End Shut-In(2) |
| 122 | 1320.25 | 101.54 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 93.00 | M | 0.68 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34537

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 07:39:13

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:19:13

Time Test Ended: 13:47:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 2850.00 ft (KB) To 2886.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 2886.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8651 Inside

Press@RunDepth: psig @ 2853.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.10 End Date: 2015.08.10

Last Calib.: 2015.08.10

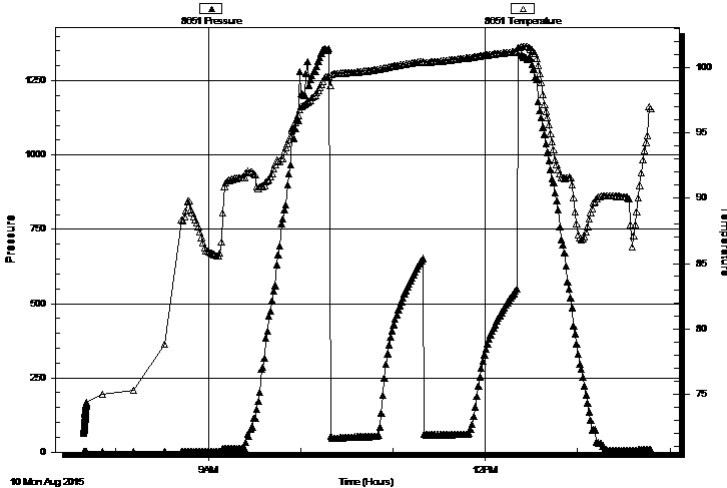
Start Time: 07:39:01 End Time: 13:48:00

Time On Btm:

Time Off Btm:

TEST COMMENT:
30- IF- Weak blow built to 1/4"
30- IS- No blow
30- FF- Very weak surface blow
30- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 93.00 | M | 0.68 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34537

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 07:39:13

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2535.00 ft | Diameter: 3.82 inches | Volume: 35.93 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 310.00 ft | Diameter: 2.75 inches | Volume: 2.28 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 64000.00 lb |
| | | | <u>Total Volume: 38.21 bbl</u> | Tool Chased 5.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 2850.00 ft | | | Final 42000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 36.00 ft | | | |
| Tool Length: | 63.00 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 | | | 2824.00 | |
| Shut In Tool | 5.00 | | | 2829.00 | |
| Hydraulic tool | 5.00 | | | 2834.00 | |
| Jars | 5.00 | | | 2839.00 | |
| Safety Joint | 2.00 | | | 2841.00 | |
| Packer | 5.00 | | | 2846.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 2850.00 | |
| Stubb | 1.00 | | | 2851.00 | |
| Perforations | 1.00 | | | 2852.00 | |
| Change Over Sub | 1.00 | | | 2853.00 | |
| Recorder | 0.00 | 8651 | Inside | 2853.00 | |
| Recorder | 0.00 | 8655 | Outside | 2853.00 | |
| Drill Pipe | 29.00 | | | 2882.00 | |
| Change Over Sub | 1.00 | | | 2883.00 | |
| Bullnose | 3.00 | | | 2886.00 | 36.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34537

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 07:39:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 93.00 | M | 0.683 |

Total Length: 93.00 ft Total Volume: 0.683 bbl

Num Fluid Samples: 0

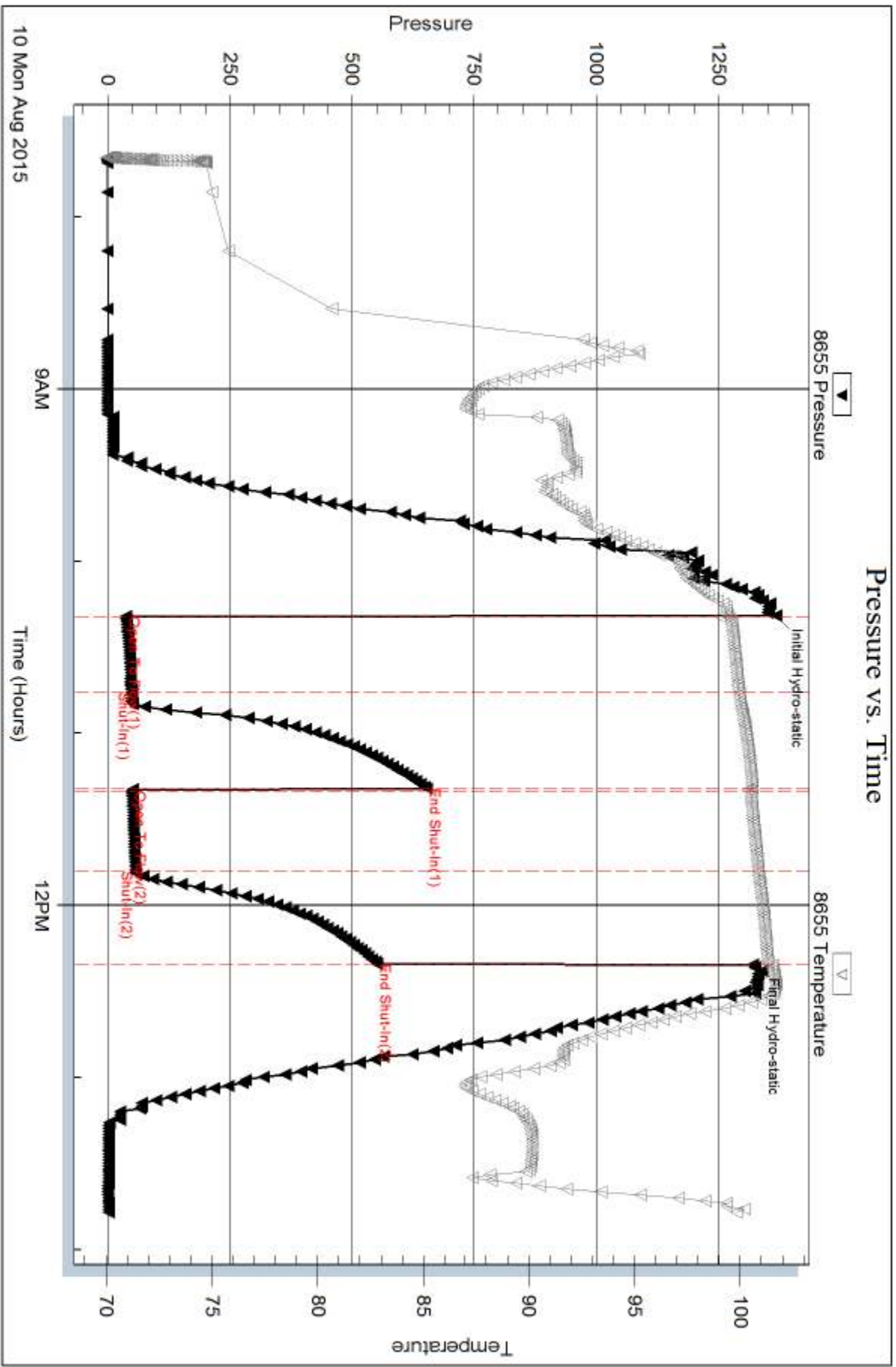
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



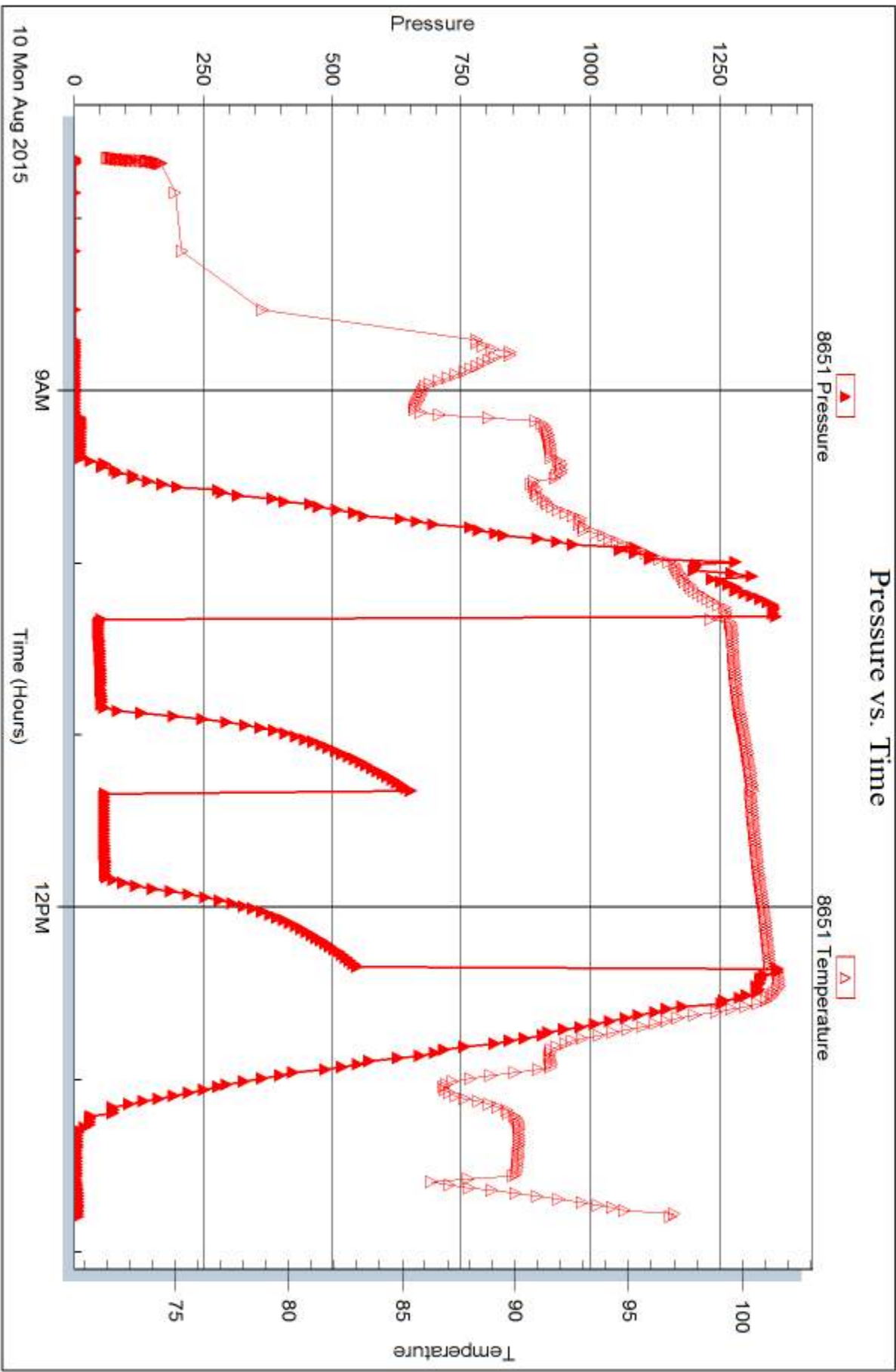
Serial #: 8651

Inside

American Warrior, Inc.

Lille #2-30

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 34537

Printed: 2015.08.13 @ 14:13:12



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Lillie #2-30

30-16s-10w Ellsworth, KS

Start Date: 2015.08.10 @ 21:09:08

End Date: 2015.08.11 @ 01:58:38

Job Ticket #: 34538 DST #: 2

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

Printed: 2015.08.13 @ 14:12:47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34538

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 21:09:08

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:43:08

Time Test Ended: 01:58:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 2898.00 ft (KB) To 2950.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 2950.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 32.31 psig @ 2915.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.10

End Date:

2015.08.11

Last Calib.: 2015.08.11

Start Time: 21:09:09

End Time:

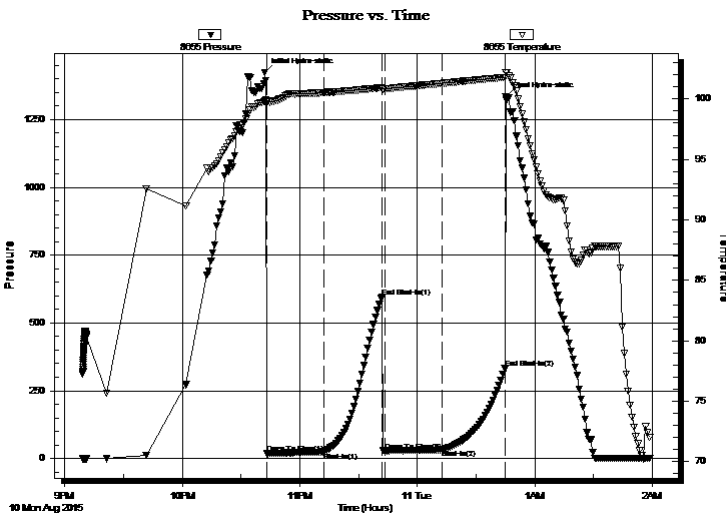
01:58:38

Time On Btm: 2015.08.10 @ 22:42:08

Time Off Btm: 2015.08.11 @ 00:45:08

TEST COMMENT: 30- IF- Built very slow ly to 1"
30- IS- No blow
30- FF- Built very slow ly to 1/2"
30- FS- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1423.80 | 99.82 | Initial Hydro-static |
| 1 | 17.59 | 99.76 | Open To Flow (1) |
| 30 | 24.89 | 100.52 | Shut-In(1) |
| 60 | 596.38 | 100.94 | End Shut-In(1) |
| 62 | 26.11 | 100.82 | Open To Flow (2) |
| 91 | 32.31 | 101.28 | Shut-In(2) |
| 123 | 331.95 | 101.78 | End Shut-In(2) |
| 123 | 1335.60 | 102.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00 | M | 0.22 |
| | | |
| | | |
| | | |
| | | |

* 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.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34538

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 21:09:08

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2566.00 ft | Diameter: 3.82 inches | Volume: 36.37 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 310.00 ft | Diameter: 2.75 inches | Volume: 2.28 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 38.65 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 5.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 2898.00 ft | | | Final 42000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 52.00 ft | | | |
| Tool Length: | 79.00 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 | | | 2872.00 | |
| Shut In Tool | 5.00 | | | 2877.00 | |
| Hydraulic tool | 5.00 | | | 2882.00 | |
| Jars | 5.00 | | | 2887.00 | |
| Safety Joint | 2.00 | | | 2889.00 | |
| Packer | 5.00 | | | 2894.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 2898.00 | |
| Stubb | 1.00 | | | 2899.00 | |
| Perforations | 15.00 | | | 2914.00 | |
| Change Over Sub | 1.00 | | | 2915.00 | |
| Recorder | 0.00 | 8651 | Inside | 2915.00 | |
| Recorder | 0.00 | 8655 | Outside | 2915.00 | |
| Drill Pipe | 31.00 | | | 2946.00 | |
| Change Over Sub | 1.00 | | | 2947.00 | |
| Bullnose | 3.00 | | | 2950.00 | 52.00 Bottom Packers & Anchor |

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34538

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.08.10 @ 21:09:08

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 30.00 | M | 0.220 |

Total Length: 30.00 ft Total Volume: 0.220 bbl

Num Fluid Samples: 0

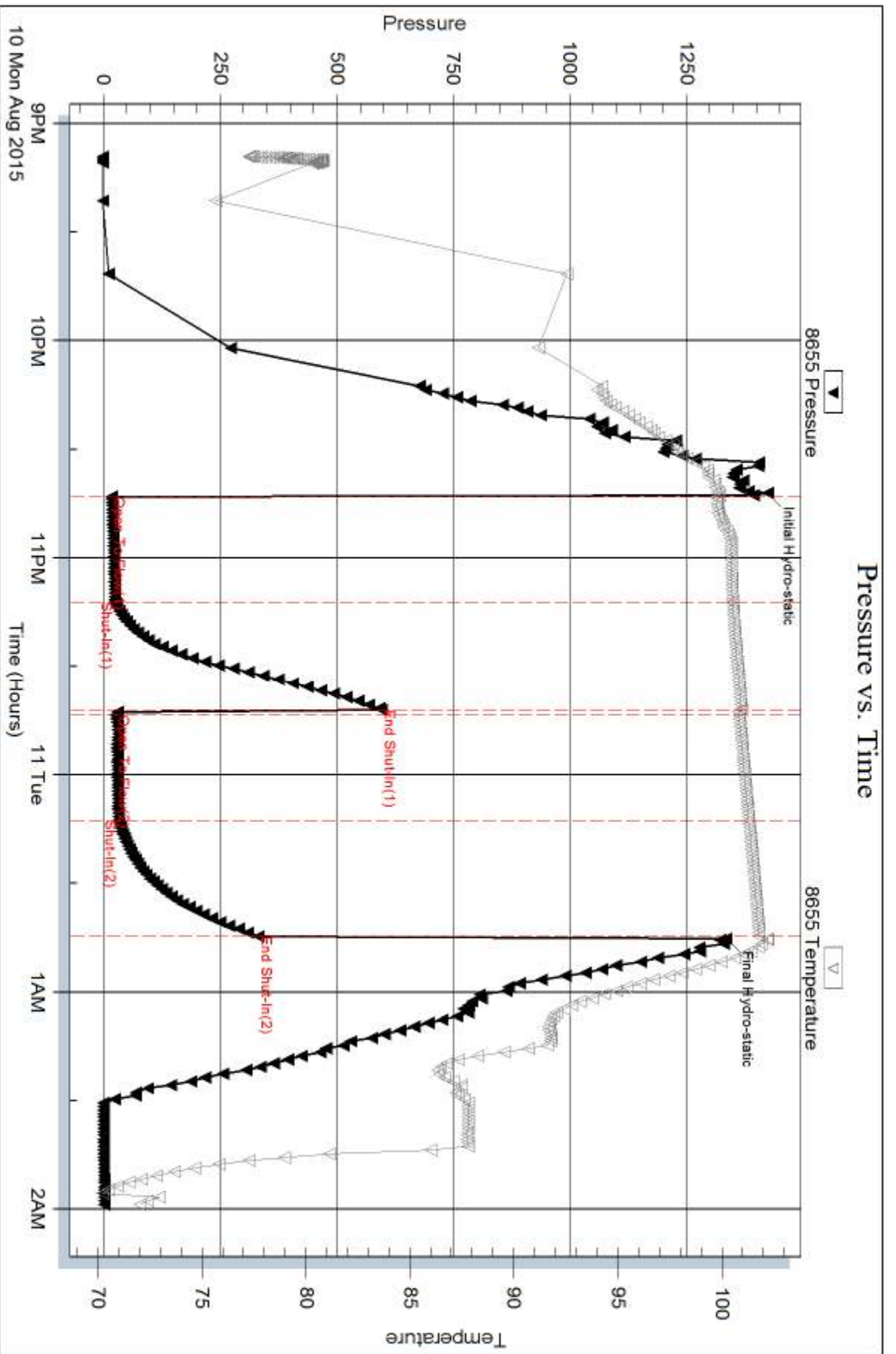
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



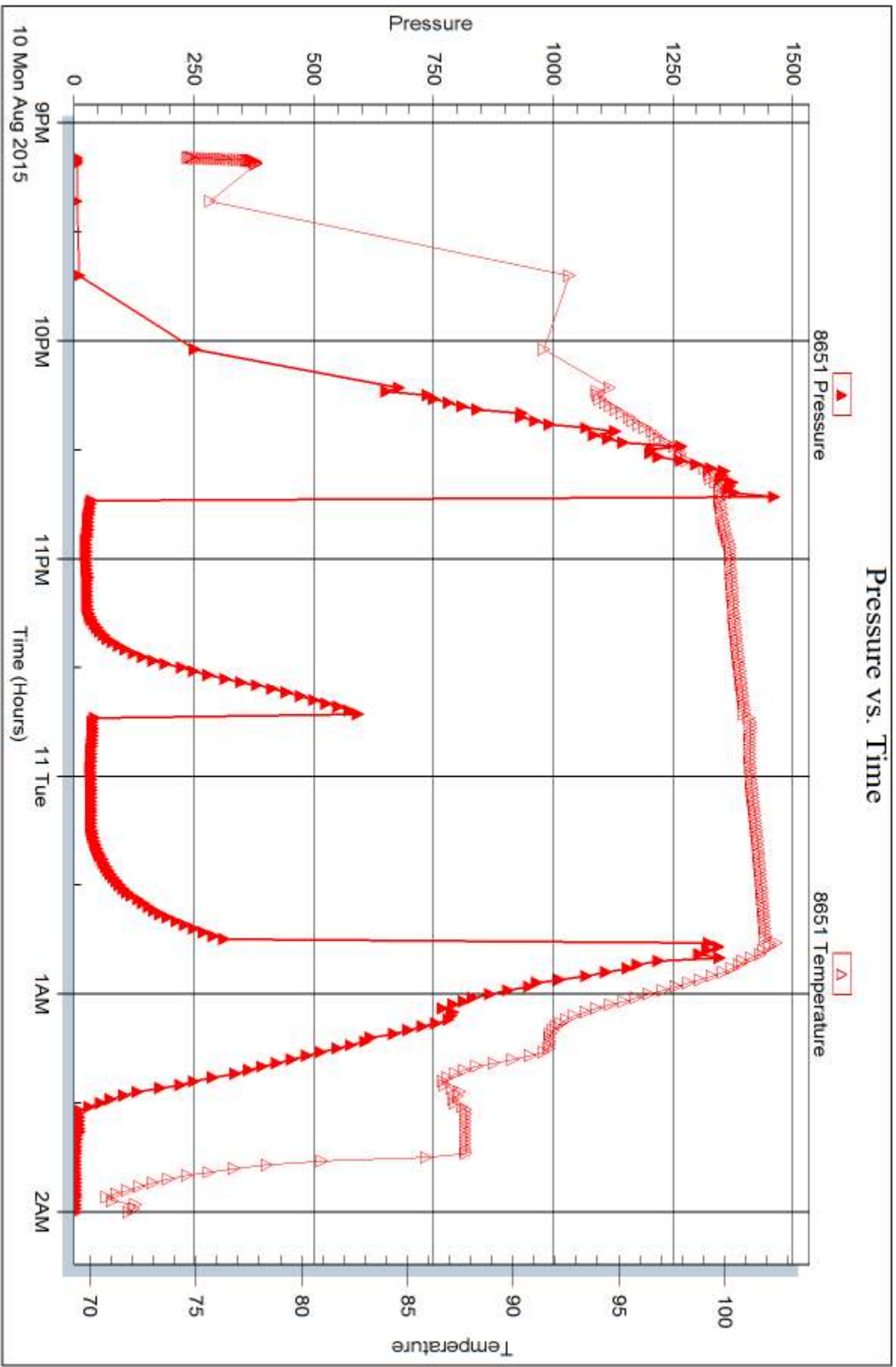
Serial #: 8651

Inside

American Warrior, Inc.

Lille #2-30

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Lillie #2-30

30-16s-10w Ellsworth, KS

Start Date: 2015.08.11 @ 12:37:23

End Date: 2015.08.11 @ 19:56:53

Job Ticket #: 34539 DST #: 3

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

Printed: 2015.08.13 @ 14:12:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34539

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.08.11 @ 12:37:23

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:37:53

Time Test Ended: 19:56:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3022.00 ft (KB) To 3075.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3075.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 435.93 psig @ 3040.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.11

End Date:

2015.08.11

Last Calib.:

2015.08.11

Start Time: 12:37:24

End Time:

19:56:53

Time On Btm:

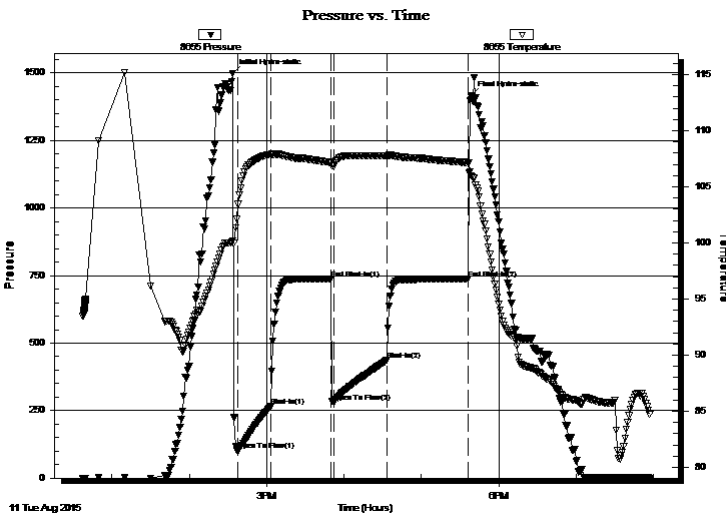
2015.08.11 @ 14:33:53

Time Off Btm:

2015.08.11 @ 17:38:23

TEST COMMENT: 30- IF- BOB 10 secs
45- IS- BOB 25 mins
45- FF- BOB instantly
60- FSI- BOB 2 mins

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1498.69 | 100.19 | Initial Hydro-static |
| 4 | 101.48 | 103.44 | Open To Flow (1) |
| 30 | 265.02 | 107.85 | Shut-In(1) |
| 76 | 737.76 | 107.16 | End Shut-In(1) |
| 78 | 280.90 | 106.84 | Open To Flow (2) |
| 119 | 435.93 | 107.73 | Shut-In(2) |
| 182 | 736.74 | 107.15 | End Shut-In(2) |
| 185 | 1414.62 | 106.00 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 1032.00 | MW, 10%M 90%W | 12.51 |
| 0.00 | 1969' GIP | 0.00 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34539

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.08.11 @ 12:37:23

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:37:53

Time Test Ended: 19:56:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3022.00 ft (KB) To 3075.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3075.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: psig @ 3040.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.11 End Date: 2015.08.11

Last Calib.: 2015.08.11

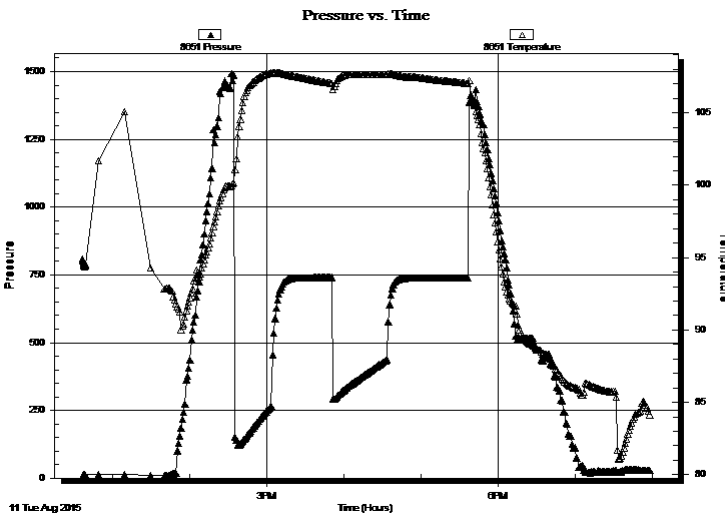
Start Time: 12:37:03 End Time: 19:58:02

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- BOB 10 secs
45- IS- BOB 25 mins
45- FF- BOB instantly
60- FS- BOB 2 mins

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 1032.00 | MW, 10%M 90%W | 12.51 |
| 0.00 | 1969' GIP | 0.00 |
| | | |
| | | |
| | | |
| | | |

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.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34539

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.08.11 @ 12:37:23

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2691.00 ft | Diameter: 3.82 inches | Volume: 38.15 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 310.00 ft | Diameter: 2.75 inches | Volume: 2.28 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 66000.00 lb |
| | | | <u>Total Volume: 40.43 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 3022.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 53.00 ft | | | |
| Tool Length: | 80.00 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 | | | 2996.00 | |
| Shut In Tool | 5.00 | | | 3001.00 | |
| Hydraulic tool | 5.00 | | | 3006.00 | |
| Jars | 5.00 | | | 3011.00 | |
| Safety Joint | 2.00 | | | 3013.00 | |
| Packer | 5.00 | | | 3018.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3022.00 | |
| Stubb | 1.00 | | | 3023.00 | |
| Perforations | 16.00 | | | 3039.00 | |
| Change Over Sub | 1.00 | | | 3040.00 | |
| Recorder | 0.00 | 8651 | Inside | 3040.00 | |
| Recorder | 0.00 | 8655 | Outside | 3040.00 | |
| Drill Pipe | 31.00 | | | 3071.00 | |
| Change Over Sub | 1.00 | | | 3072.00 | |
| Bullnose | 3.00 | | | 3075.00 | 53.00 Bottom Packers & Anchor |

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34539

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.08.11 @ 12:37:23

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:

70000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|---------------|---------------|
| 1032.00 | MW, 10%M 90%W | 12.512 |
| 0.00 | 1969' GIP | 0.000 |

Total Length: 1032.00 ft Total Volume: 12.512 bbf

Num Fluid Samples: 0

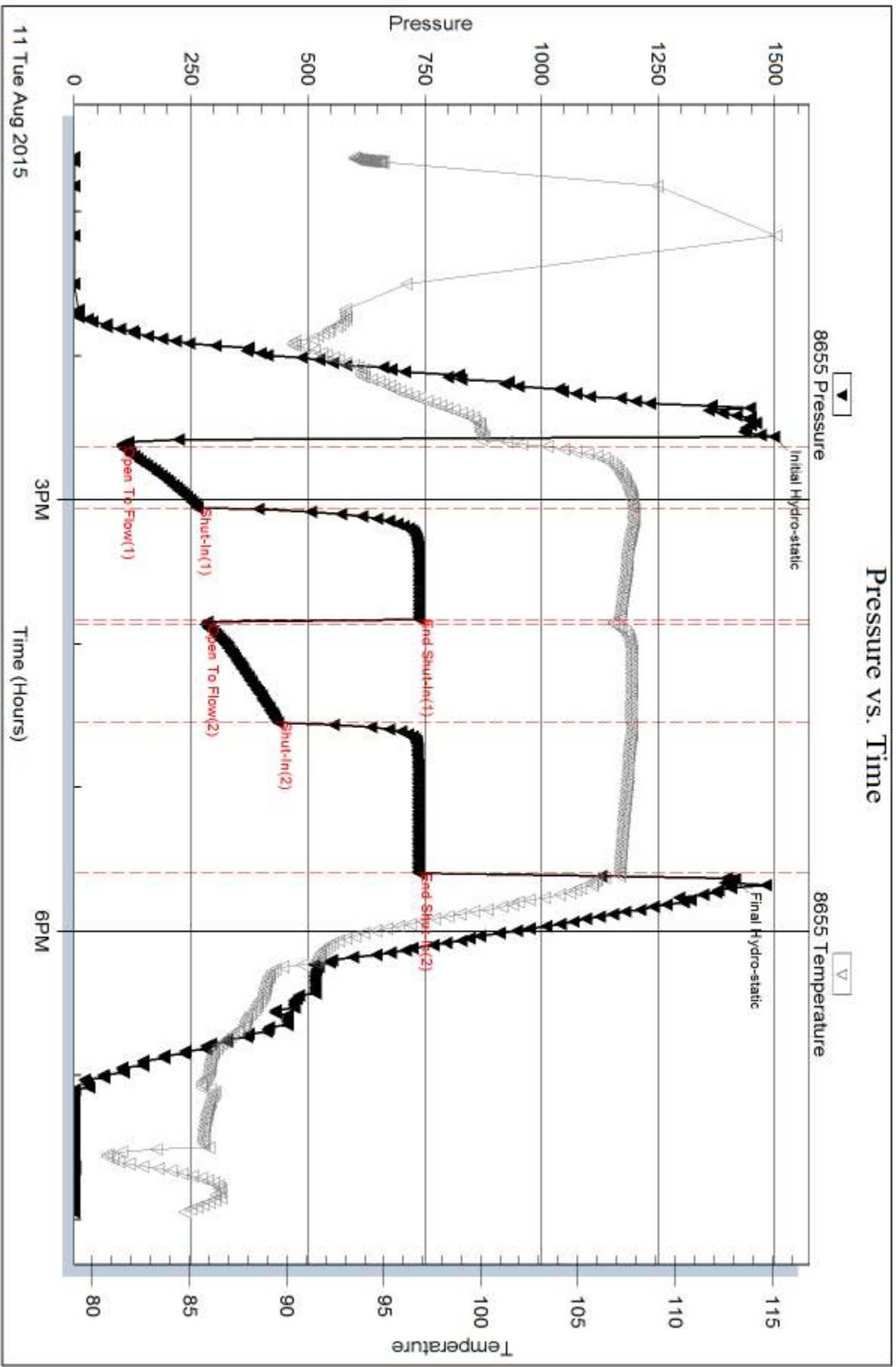
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



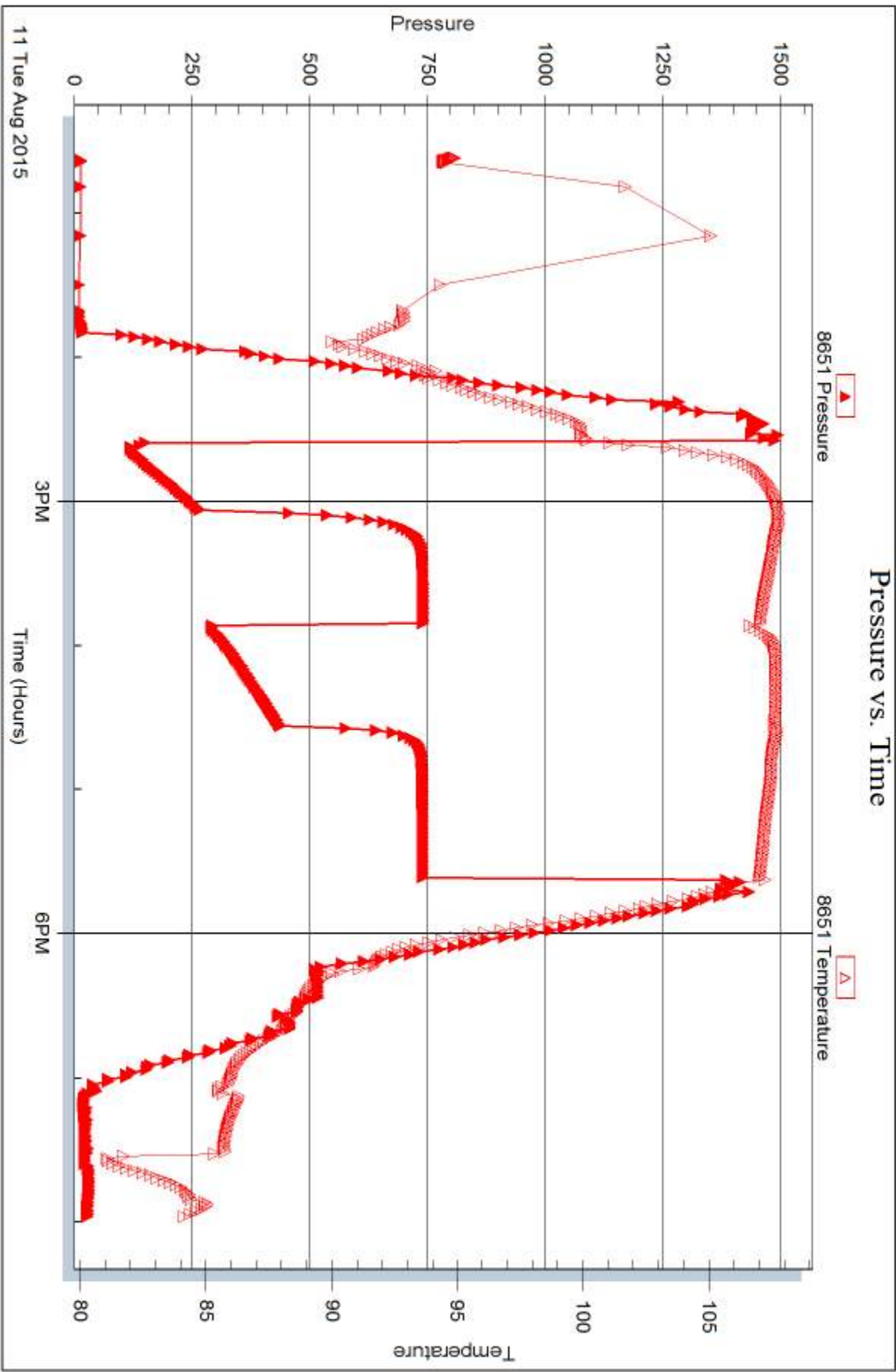
Serial #: 8651

Inside

American Warrior, Inc.

Lille #2-30

DST Test Number: 3



Trickle Testing, Inc

Ref. No: 34539

Printed: 2015.08.13 @ 14:12:19



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Lillie #2-30

30-16s-10w Ellsworth, KS

Start Date: 2015.08.12 @ 10:15:50

End Date: 2015.08.12 @ 18:04:50

Job Ticket #: 34540 DST #: 4

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

Printed: 2015.08.13 @ 14:11:52



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34540

DST#: 4

ATTN: Luke Thompson

Test Start: 2015.08.12 @ 10:15:50

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:24:20

Time Test Ended: 18:04:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3165.00 ft (KB) To 3240.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3240.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 86.06 psig @ 3174.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.12

End Date:

2015.08.12

Last Calib.:

2015.08.12

Start Time: 10:15:51

End Time:

18:04:50

Time On Btm:

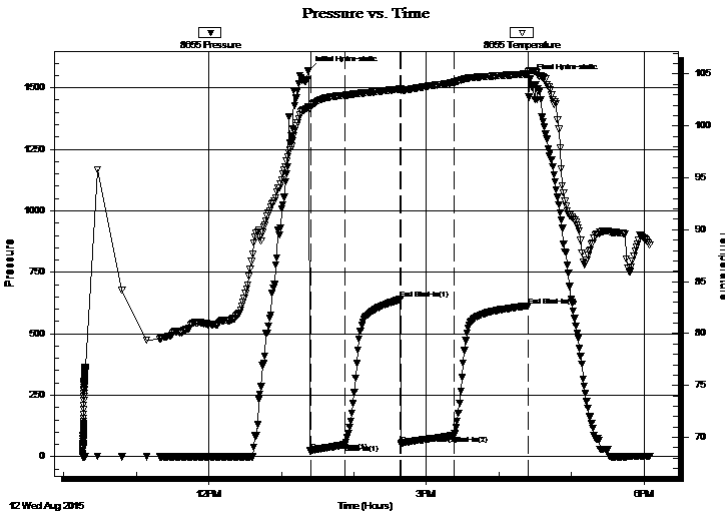
2015.08.12 @ 13:22:50

Time Off Btm:

2015.08.12 @ 16:25:20

TEST COMMENT: 30- IF- BOB 7 mins
45- IS- No blow
45- FF- BOB 8 mins
60- FSI- Weak surface blow died in 15 mins

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1570.75 | 101.88 | Initial Hydro-static |
| 2 | 23.91 | 101.86 | Open To Flow (1) |
| 30 | 48.96 | 102.94 | Shut-In(1) |
| 76 | 640.96 | 103.54 | End Shut-In(1) |
| 76 | 50.71 | 103.40 | Open To Flow (2) |
| 120 | 86.06 | 104.21 | Shut-In(2) |
| 181 | 613.26 | 105.00 | End Shut-In(2) |
| 183 | 1536.02 | 105.35 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 156.00 | VGSWOCM, 20%G 30%O 5%W 45%M | 1.15 |
| 0.00 | 407' GIP | 0.00 |
| | | |
| | | |
| | | |

* 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.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34540

DST#: 4

ATTN: Luke Thompson

Test Start: 2015.08.12 @ 10:15:50

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2848.00 ft | Diameter: 3.82 inches | Volume: 40.37 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 310.00 ft | Diameter: 2.75 inches | Volume: 2.28 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 54000.00 lb |
| | | | <u>Total Volume: 42.65 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 44000.00 lb |
| Depth to Top Packer: | 3165.00 ft | | | Final 44000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 75.00 ft | | | |
| Tool Length: | 102.00 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 | | | 3139.00 | |
| Shut In Tool | 5.00 | | | 3144.00 | |
| Hydraulic tool | 5.00 | | | 3149.00 | |
| Jars | 5.00 | | | 3154.00 | |
| Safety Joint | 2.00 | | | 3156.00 | |
| Packer | 5.00 | | | 3161.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3165.00 | |
| Stubb | 1.00 | | | 3166.00 | |
| Perforations | 7.00 | | | 3173.00 | |
| Change Over Sub | 1.00 | | | 3174.00 | |
| Recorder | 0.00 | 8651 | Inside | 3174.00 | |
| Recorder | 0.00 | 8655 | Outside | 3174.00 | |
| Drill Pipe | 62.00 | | | 3236.00 | |
| Change Over Sub | 1.00 | | | 3237.00 | |
| Bullnose | 3.00 | | | 3240.00 | 75.00 Bottom Packers & Anchor |

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34540

DST#: 4

ATTN: Luke Thompson

Test Start: 2015.08.12 @ 10:15:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

22 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-----------------------------|----------------|
| 156.00 | VGSWOCM, 20%G 30%O 5%W 45%M | 1.146 |
| 0.00 | 407' GIP | 0.000 |

Total Length: 156.00 ft

Total Volume: 1.146 bbl

Num Fluid Samples: 0

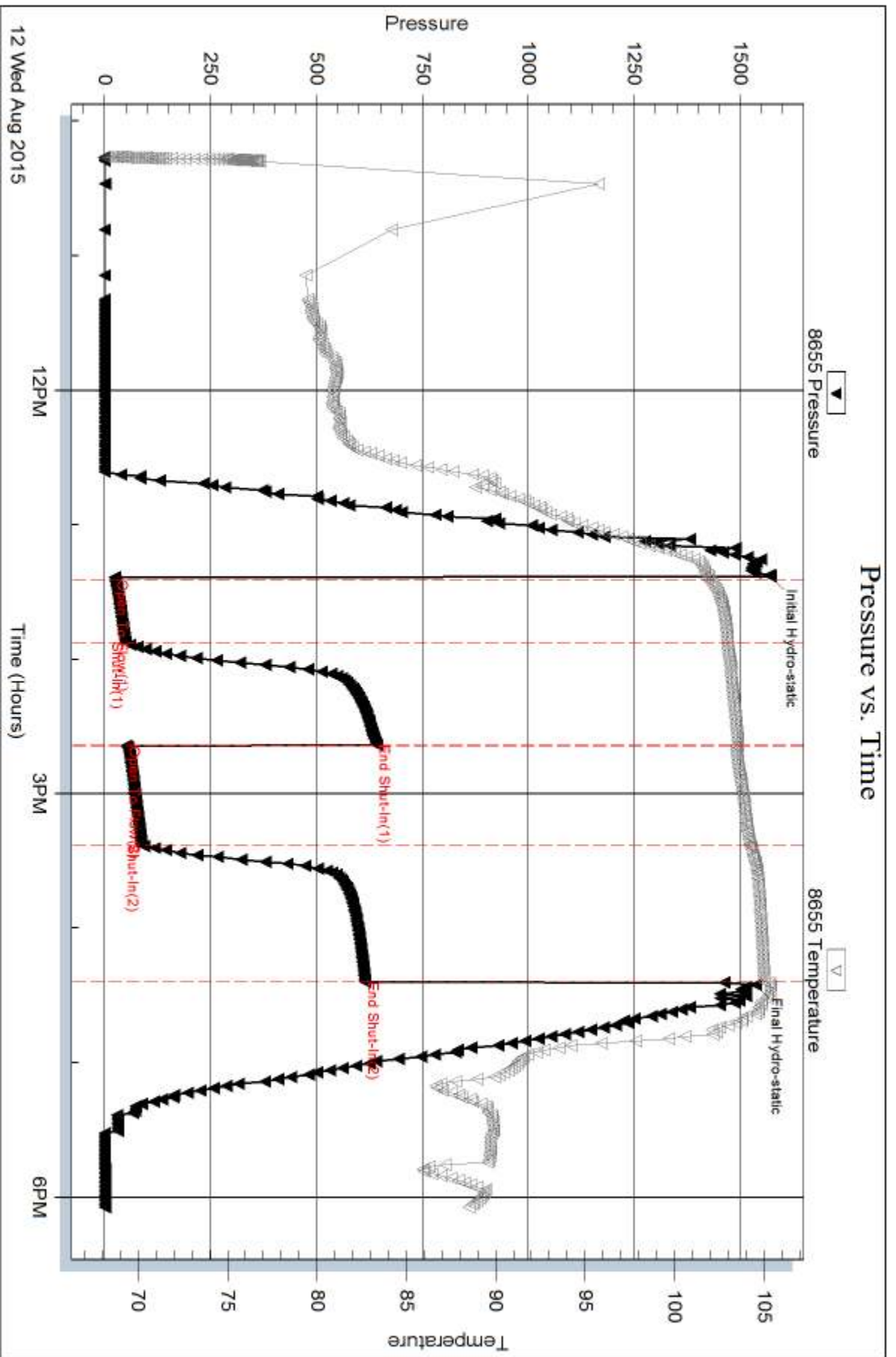
Num Gas Bombs: 0

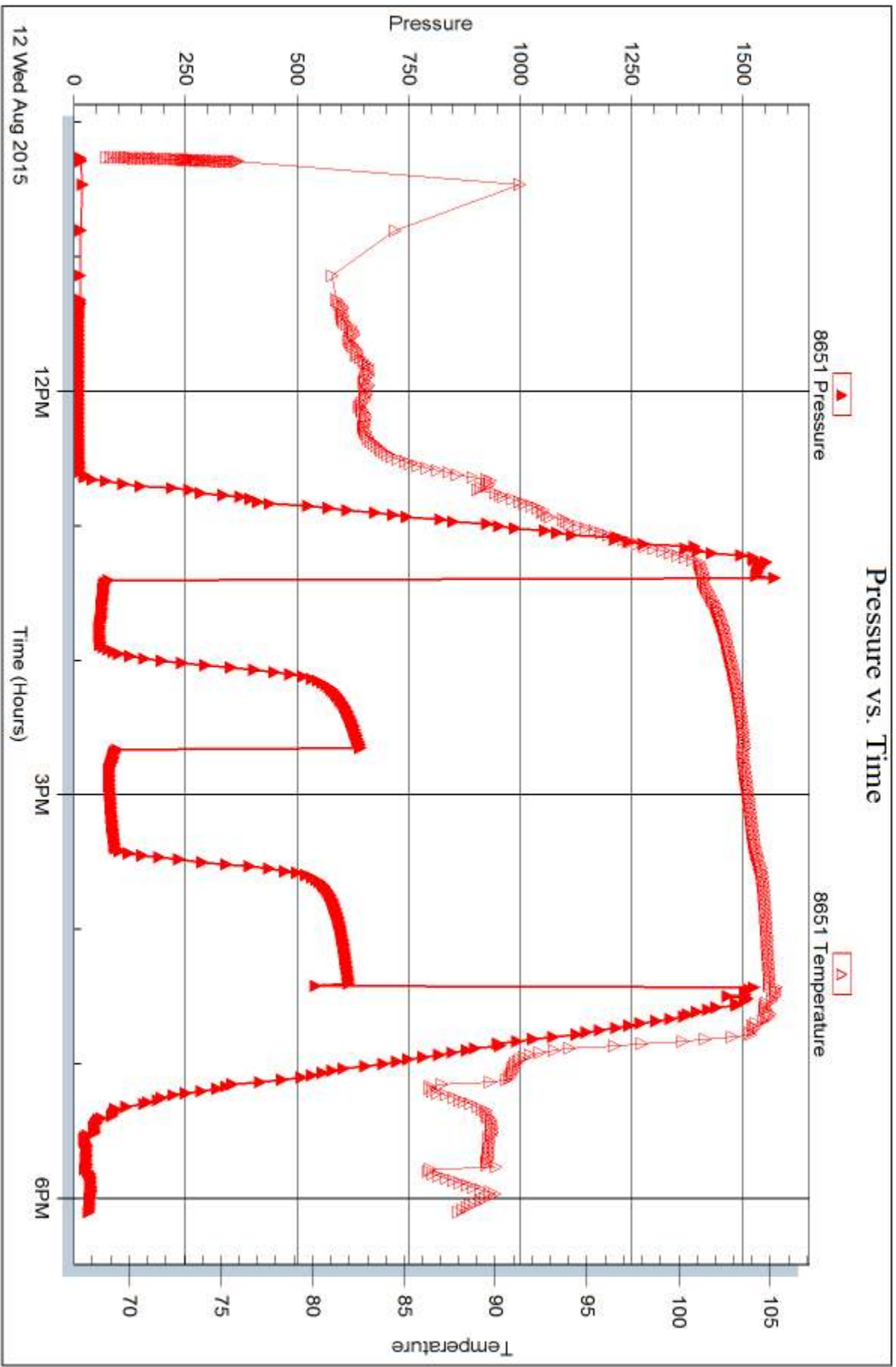
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Lillie #2-30

30-16s-10w Ellsworth, KS

Start Date: 2015.08.13 @ 08:17:27

End Date: 2015.08.13 @ 13:37:27

Job Ticket #: 34541 DST #: 5

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

Printed: 2015.08.13 @ 14:11:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34541

DST#: 5

ATTN: Luke Thompson

Test Start: 2015.08.13 @ 08:17:27

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:27

Time Test Ended: 13:37:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3326.00 ft (KB) To 3375.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3375.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 34.33 psig @ 3340.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.13

End Date:

2015.08.13

Last Calib.:

2015.08.13

Start Time: 08:17:28

End Time:

13:37:27

Time On Btm:

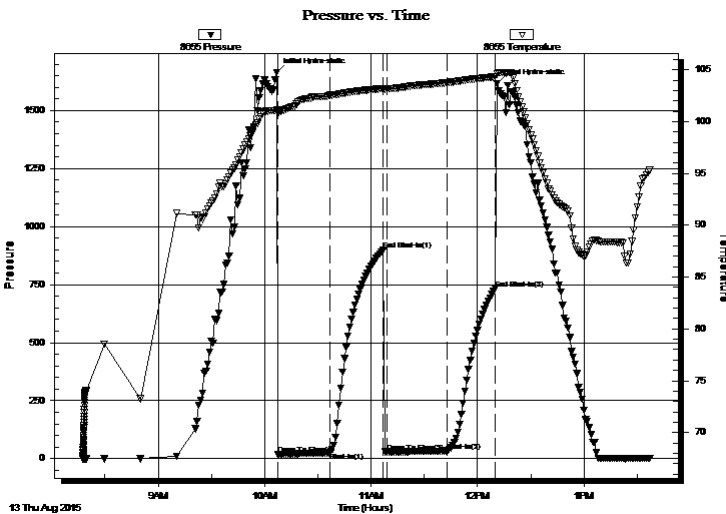
2015.08.13 @ 10:06:57

Time Off Btm:

2015.08.13 @ 12:10:57

TEST COMMENT: 30- IF- Slowly built to 1"
30- IS- No blow
30- FF- Surface blow
30- FSI- No blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1664.04 | 101.13 | Initial Hydro-static |
| 1 | 20.08 | 100.84 | Open To Flow (1) |
| 30 | 27.20 | 102.54 | Shut-In(1) |
| 60 | 899.67 | 103.22 | End Shut-In(1) |
| 62 | 29.06 | 103.15 | Open To Flow (2) |
| 96 | 34.33 | 103.77 | Shut-In(2) |
| 123 | 733.05 | 104.33 | End Shut-In(2) |
| 124 | 1615.25 | 104.60 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 30.00 | OCM, 15%O 85%M | 0.22 |
| 10.00 | CO | 0.07 |
| 0.00 | 22' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34541

DST#: 5

ATTN: Luke Thompson

Test Start: 2015.08.13 @ 08:17:27

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:27

Time Test Ended: 13:37:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3326.00 ft (KB) To 3375.00 ft (KB) (TVD)

Reference Elevations: 1890.00 ft (KB)

Total Depth: 3375.00 ft (KB) (TVD)

1882.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8651 Inside

Press@RunDepth: psig @ 3340.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.13

End Date:

2015.08.13

Last Calib.:

2015.08.13

Start Time: 08:17:43

End Time:

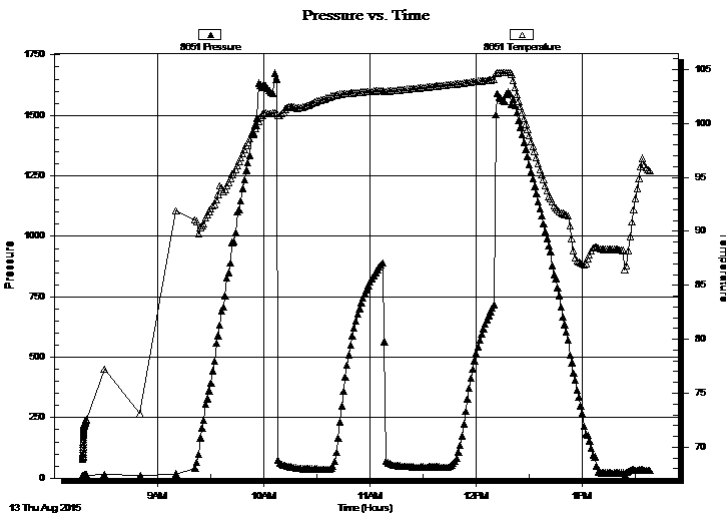
13:38:42

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slowly built to 1"
30- IS- No blow
30- FF- Surface blow
30- FSI- No blow

PRESSURE SUMMARY



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

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 30.00 | OCM, 15%O 85%M | 0.22 |
| 10.00 | CO | 0.07 |
| 0.00 | 22' GIP | 0.00 |
| | | |
| | | |

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.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34541

DST#: 5

ATTN: Luke Thompson

Test Start: 2015.08.13 @ 08:17:27

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3004.00 ft | Diameter: 3.82 inches | Volume: 42.58 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 310.00 ft | Diameter: 2.75 inches | Volume: 2.28 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 55000.00 lb |
| | | | <u>Total Volume: 44.86 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3326.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 49.00 ft | | | |
| Tool Length: | 76.00 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 | | | 3300.00 | |
| Shut In Tool | 5.00 | | | 3305.00 | |
| Hydraulic tool | 5.00 | | | 3310.00 | |
| Jars | 5.00 | | | 3315.00 | |
| Safety Joint | 2.00 | | | 3317.00 | |
| Packer | 5.00 | | | 3322.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 3326.00 | |
| Stubb | 1.00 | | | 3327.00 | |
| Perforations | 12.00 | | | 3339.00 | |
| Change Over Sub | 1.00 | | | 3340.00 | |
| Recorder | 0.00 | 8651 | Inside | 3340.00 | |
| Recorder | 0.00 | 8655 | Outside | 3340.00 | |
| Drill Pipe | 31.00 | | | 3371.00 | |
| Change Over Sub | 1.00 | | | 3372.00 | |
| Bullnose | 3.00 | | | 3375.00 | 49.00 Bottom Packers & Anchor |

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-16s-10w Ellsworth, KS

PO Box 399
Garden City, KS 67846

Lillie #2-30

Job Ticket: 34541

DST#: 5

ATTN: Luke Thompson

Test Start: 2015.08.13 @ 08:17:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 11.19 in³
Resistivity: ohm.m
Salinity: 11400.00 ppm
Filter Cake: inches

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

Oil API: 32 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 30.00 | OCM, 15%O 85%M | 0.220 |
| 10.00 | CO | 0.073 |
| 0.00 | 22' GIP | 0.000 |

Total Length: 40.00 ft Total Volume: 0.293 bbl

Num Fluid Samples: 0

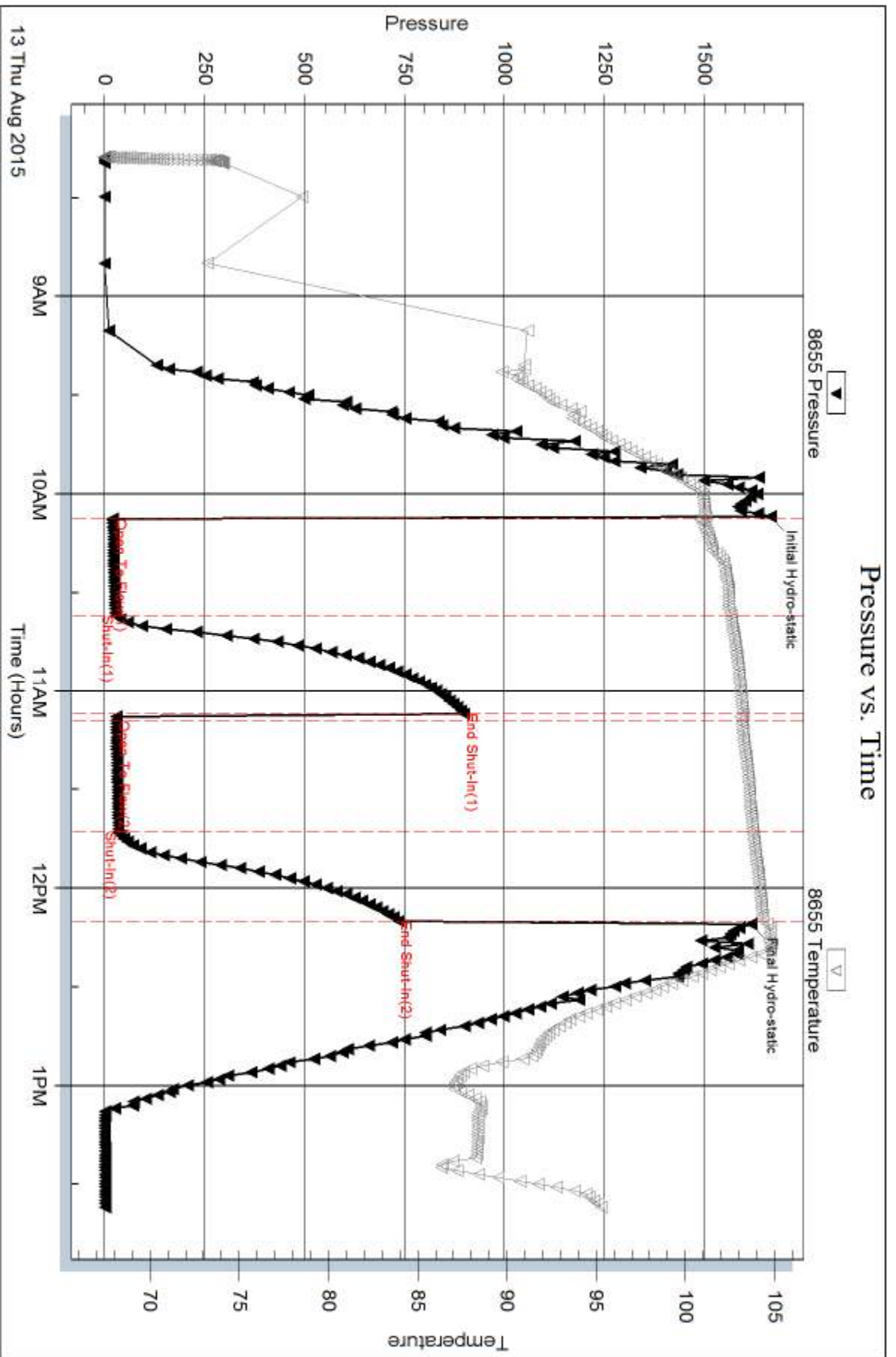
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



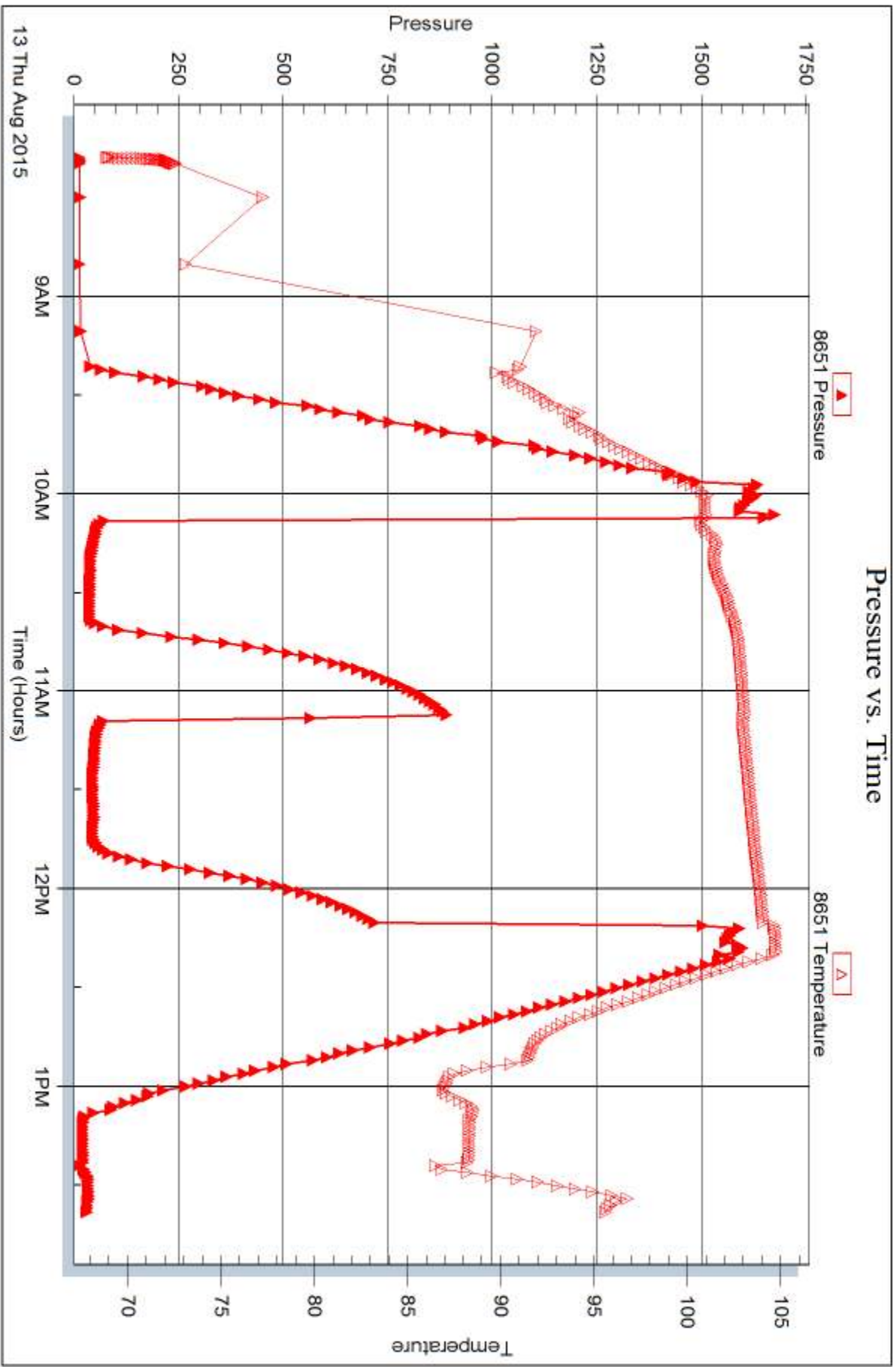
Serial #: 8651

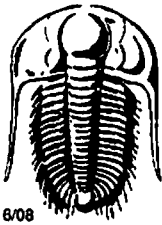
Inside

American Warrior, Inc.

Lille #2-30

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lilke #2-30 Test No. 1 Date 8/10/15
 Company American Warrior, Inc. Zone Tested Platts mouth
 Address 3118 Cummings Rd. PO Box 399 Garden City, KS Elevation 1890 KB 4882 GL
 Co. Rep / Geo. Luke Thompson Rig Discovery #2
 Location: Sec. 30 Twp. 16 S Rge. 10 W Co. Ellsworth State KS
 Comment: _____

Interval Tested 2850 - 2886 Drill Pipe Size 4 1/2"
 Anchor Length 36' Wt. Pipe Run 310
 Top Packer Depth 2845 Drill Collar Run —
 Bottom Packer Depth 2850 Ft. Run 2535
 Total Depth 2886 Recorder #(s) 8651, 8655

Blow Description IF - Weak blow built to 44"
FSI - No blow
FF - Very weak surface blow
FSI - No blow

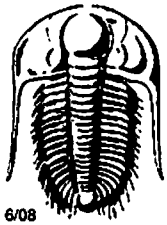
| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP | %gas | %oil | %water | %mud |
|-----------------------|------------------|-----------|-----------|------|------|--------|------|
| <u>93</u> | <u>—</u> | <u>—</u> | <u>93</u> | | | | |
| Rec. <u>93</u> | Feet of <u>M</u> | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |

BHT 101 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW. _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

| | | |
|---|---|--|
| IF <u>30</u> <input checked="" type="checkbox"/> Test <u>1050</u> | <input type="checkbox"/> Sampler _____ | <input type="checkbox"/> Day Standby _____ |
| ISI <u>30</u> <input checked="" type="checkbox"/> Jars <u>250</u> | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Accessibility _____ |
| FF <u>30</u> <input checked="" type="checkbox"/> Safety Joint <u>75</u> | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| FSI <u>30</u> <input type="checkbox"/> Circ Sub _____ | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| T-on Loc <u>0720</u> <input type="checkbox"/> Hourly Standby _____ | <input type="checkbox"/> Extra Recorder _____ | <input type="checkbox"/> Extra Copies _____ |
| T-started <u>0739</u> <input checked="" type="checkbox"/> Mileage <u>122 RT</u> | <input type="checkbox"/> Other _____ | |
| T-open <u>1020</u> | | |
| T-pulled <u>1220</u> Sub Total <u>1497</u> | Sub Total <u>0</u> | Sub Total <u>0</u> |
| T-out <u>1348</u> | | Total <u>1497</u> |

Trilobite Testing, Inc. shall not be liable for damage 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.

Approved By _____ Our Representative Brannon Lonsdale



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lillie #2-30 Test No. 2 Date 8/10/15
 Company American Warrior, Inc. Zone Tested Toronto
 Address 318 Cummings Rd. PO Box 399 Corder City, KS Elevation 1890 KB 1852 GL
 Co. Rep / Geo. Luke Thompson Rig Discovery #2
 Location: Sec. 30 Twp. 16 S Rge. 10 W Co. Pleworth State KS
 Comment: _____

Interval Tested 2898 - 2950 Drill Pipe Size 4 1/2"
 Anchor Length 52' Wt. Pipe Run 310
 Top Packer Depth 2893 Drill Collar Run _____
 Bottom Packer Depth 2898 Ft. Run 2566
 Total Depth 2950 Recorder #(s) 8651, 8655
 Blow Description IF - Built very slowly to 1"
ISI - No blow
FF - Built very slowly to 1/2"
FSI - No blow

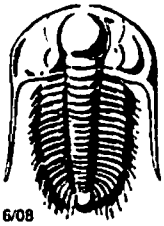
| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP | %gas | %oil | %water | %mud |
|-----------------------|------------------|-----------|-----------|------|------|--------|------|
| <u>30'</u> | _____ | _____ | <u>30</u> | | | | |
| Rec. <u>30</u> | Feet of <u>M</u> | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |
| Rec. _____ | Feet of _____ | | | | | | |

BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3800 ppm System

| | | | |
|------------------------|---|---|--|
| IF <u>30</u> | <input checked="" type="checkbox"/> Test 1050 | <input type="checkbox"/> Sampler _____ | <input type="checkbox"/> Day Standby _____ |
| ISI <u>30</u> | <input checked="" type="checkbox"/> Jars 250 | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Accessibility _____ |
| FF <u>30</u> | <input checked="" type="checkbox"/> Safety Joint 75 | <input type="checkbox"/> Shale Packer _____ | <input type="checkbox"/> Ruined Shale Packer _____ |
| FSI <u>30</u> | <input type="checkbox"/> Circ Sub _____ | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| T-on Loc <u>2104</u> | <input type="checkbox"/> Hourly Standby _____ | <input type="checkbox"/> Extra Recorder _____ | <input type="checkbox"/> Extra Copies _____ |
| T-started <u>2109</u> | <input checked="" type="checkbox"/> Mileage <u>122 RT</u> | <input type="checkbox"/> Other _____ | |
| T-open <u>2242</u> | | | |
| T-pulled <u>0042</u> | Sub Total <u>1497</u> | Sub Total <u>0</u> | Sub Total <u>0</u> |
| T-out <u>8/11 0159</u> | | | Total <u>1497</u> |

Trilobite Testing, Inc. shall not be liable for damage 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.

Approved By _____ Our Representative Braman Lowdale



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lilbe #2-30 Test No. 3 Date 8/11/15
 Company American Warrior, Inc Zone Tested Lansing "A-C"
 Address 3118 Cummins Rd. PO Box 399 Garden City, KS Elevation 1890 KB 1882 GL
 Co. Rep / Geo. Luke Thompson Rig Discovery #2
 Location: Sec. 30 Twp. 16 S Rge. 10 W Co. Ellsworth State KS
 Comment: _____

Interval Tested 3022-3075 Drill Pipe Size 4 1/2"
 Anchor Length 53' Wt. Pipe Run 310
 Top Packer Depth 3017 Drill Collar Run _____
 Bottom Packer Depth 3622 Ft. Run 2691
 Total Depth 3075 Recorder #(s) 8651, 8655

Blow Description IF - BOB 10secs
ISI - BOB 25mins
FF - BOB instantly
FSI - BOB 2mins

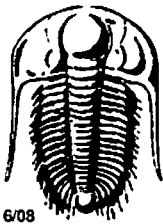
| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP | %gas | %oil | %water | %mud |
|-----------------------|-------------------------|-----------|-------------|-------|-------|------------|------------|
| <u>1032</u> | <u>1969</u> | _____ | <u>1032</u> | _____ | _____ | <u>90%</u> | <u>10%</u> |
| Rec. _____ | Feet of <u>NLW</u> | _____ | _____ | _____ | _____ | _____ | _____ |
| Rec. _____ | Feet of <u>1969 GIP</u> | _____ | _____ | _____ | _____ | _____ | _____ |
| Rec. _____ | Feet of _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Rec. _____ | Feet of _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| Rec. _____ | Feet of _____ | _____ | _____ | _____ | _____ | _____ | _____ |

BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .8 @ 82 °F Chlorides 70,000 ppm Recovery _____ Chlorides 9700 ppm System

| | | | | | | |
|-----------------------|--|---------------|---|----------|--|-------------|
| IF <u>30</u> | <input checked="" type="checkbox"/> Test | <u>1050</u> | <input type="checkbox"/> Sampler | _____ | <input type="checkbox"/> Day Standby | _____ |
| ISI <u>45</u> | <input checked="" type="checkbox"/> Jars | <u>250</u> | <input type="checkbox"/> Straddle | _____ | <input type="checkbox"/> Accessibility | _____ |
| FF <u>45</u> | <input checked="" type="checkbox"/> Safety Joint | <u>75</u> | <input type="checkbox"/> Shale Packer | _____ | <input type="checkbox"/> Ruined Shale Packer | _____ |
| FSI <u>60</u> | <input type="checkbox"/> Circ Sub | _____ | <input type="checkbox"/> Extra Packer | _____ | <input type="checkbox"/> Ruined Packer | _____ |
| T-on Loc <u>1219</u> | <input type="checkbox"/> Hourly Standby | _____ | <input type="checkbox"/> Extra Recorder | _____ | <input type="checkbox"/> Extra Copies | _____ |
| T-started <u>1237</u> | <input checked="" type="checkbox"/> Mileage | <u>122 RT</u> | <input type="checkbox"/> Other | _____ | | |
| T-open <u>1434</u> | | | | | | |
| T-pulled <u>1734</u> | Sub Total | <u>1497</u> | Sub Total | <u>0</u> | Sub Total | <u>0</u> |
| T-out <u>1958</u> | | | | | Total | <u>1497</u> |

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Approved By _____ Our Representative Brennan Leasdale



TRILOBITE TESTING INC.

34540

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lillie #2-30 Test No. 4 Date 8/12/15
 Company American Warrior, Inc. Zone Tested LKC "H-J"
 Address 3118 Cummins Dr. PO Box 399 Garden City, KS Elevation 1890 KB 1882 GL
 Co. Rep / Geo. Luke Thompson Rig Discovery #2
 Location: Sec. 30 Twp. 16 S Rge. 10 W Co. Ellsworth State KS
 Comment: _____

Interval Tested 3165-3240 Drill Pipe Size 4 1/2"
 Anchor Length 75' Wt. Pipe Run 310
 Top Packer Depth 3160 Drill Collar Run _____
 Bottom Packer Depth 3165 Ft. Run 2848
 Total Depth 3240 Recorder #(s) 8651, 8655

Blow Description IF - BOB 7 mins
ISI - No blow
FF - BOB 8 mins
FSI - Weak surface blow died in 15 mins

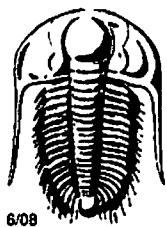
| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP |
|-----------------------|-------------------------|-----------------|----------------|
| <u>156</u> | <u>407</u> | <u>156</u> | <u>156</u> |
| Rec. <u>156</u> | Feet of <u>VGSWOCM</u> | <u>20%</u> gas | <u>30%</u> oil |
| Rec. _____ | Feet of <u>407' GIP</u> | <u>5%</u> water | <u>45%</u> mud |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |

BHT 105 °F Gravity 25 °API D @ 86 °F Corrected Gravity 22 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 9,200 ppm System

| | | | | |
|-----------------------|--|---------------|---|--|
| IF <u>30</u> | <input checked="" type="checkbox"/> Test | <u>1050</u> | <input type="checkbox"/> Sampler | <input type="checkbox"/> Day Standby |
| ISI <u>45</u> | <input checked="" type="checkbox"/> Jars | <u>250</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Accessibility |
| FF <u>45</u> | <input checked="" type="checkbox"/> Safety Joint | <u>75</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| FSI <u>60</u> | <input type="checkbox"/> Circ Sub | _____ | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| T-on Loc <u>1000</u> | <input type="checkbox"/> Hourly Standby | _____ | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| T-started <u>1015</u> | <input checked="" type="checkbox"/> Mileage | <u>122 RT</u> | <input type="checkbox"/> Other | _____ |
| T-open <u>1323</u> | Sub Total | <u>1497</u> | Sub Total | <u>0</u> |
| T-pulled <u>1623</u> | | | Sub Total | <u>0</u> |
| T-out <u>1805</u> | | | Total | <u>1497</u> |

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Approved By _____ Our Representative Bryan Louschek



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lillie # 2-30 Test No. 5 Date 8/13/15
 Company American Warrior, Inc. Zone Tested Arbuckle
 Address 318 Cummings Rd. PO Box 399 Garden City, KS 67846 Elevation 1890 KB 1882 GL
 Co. Rep / Geo. Luke Thompson Rig Discovery #2
 Location: Sec. 30 Twp. 16 S Rge. 10 W Co. Ellsworth State KS
 Comment: _____

Interval Tested 3326-3375 Drill Pipe Size 4 1/2"
 Anchor Length 49' Wt. Pipe Run 310
 Top Packer Depth 3321 Drill Collar Run _____
 Bottom Packer Depth 3326 Ft. Run 3004
 Total Depth 3375 Recorder #(s) 8631, 8635

Blow Description IF - Built very slowly to 1"
ISI - No blow
FF - Surface blow
FSI - No blow

| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP | %gas | %oil | %water | %mud |
|-----------------------|-----------|-----------|-----------|-----------|------|-----------|------|
| <u>30</u> | <u>22</u> | <u>—</u> | <u>22</u> | <u>15</u> | | <u>85</u> | |
| <u>10</u> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

BHT 104 °F Gravity 30 °API D @ 88 °F Corrected Gravity 32 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 11,400 ppm System

| | | | |
|-----------------------|---|--|--|
| IF <u>30</u> | <input checked="" type="checkbox"/> Test 1050 | <input type="checkbox"/> Sampler _____ | <input type="checkbox"/> Day Standby _____ |
| ISI <u>30</u> | <input checked="" type="checkbox"/> Jars 250 | <input type="checkbox"/> Straddle _____ | <input type="checkbox"/> Accessibility _____ |
| FF <u>30</u> | <input checked="" type="checkbox"/> Safety Joint 75 | <input checked="" type="checkbox"/> Shale Packer 250 | <input type="checkbox"/> Ruined Shale Packer _____ |
| FSI <u>30</u> | <input type="checkbox"/> Circ Sub _____ | <input type="checkbox"/> Extra Packer _____ | <input type="checkbox"/> Ruined Packer _____ |
| T-on Loc <u>0807</u> | <input type="checkbox"/> Hourly Standby _____ | <input type="checkbox"/> Extra Recorder _____ | <input type="checkbox"/> Extra Copies _____ |
| T-started <u>0817</u> | <input checked="" type="checkbox"/> Mileage <u>122 RT</u> | <input type="checkbox"/> Other _____ | |
| T-open <u>1007</u> | | | |
| T-pulled <u>1207</u> | Sub Total <u>1497</u> | Sub Total <u>250</u> | Sub Total <u>0</u> |
| T-out <u>1338</u> | | | Total <u>1747</u> |

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Approved By _____ Our Representative Bryman Lowdak