

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1264557

OIL & GAS CONSERVATION DIVISION



Form ACO-1
November 2016

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No.: _____

Spot Description: _____

_____-_____-_____ Sec. _____ Twp. _____ S. R. _____ East West

_____-_____-_____ Feet from North / South Line of Section

_____-_____-_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxxx) (e.g. -xxx.xxxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

1264557



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

- Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
- Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Lillie 2-30
Doc ID	1264557

All Electric Logs Run

Dual IND
Micro
Dual Porosity
Sonic



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

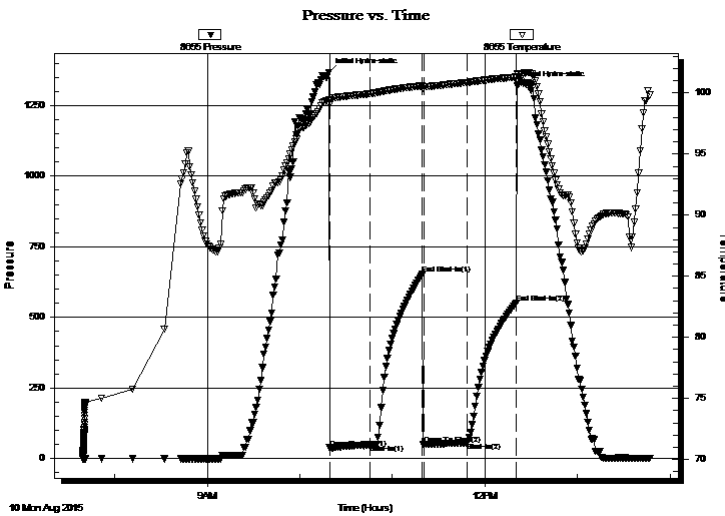
End Time: 13:47:13

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
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Luke Thompson

30-16s-10w Ellsworth, KS
Lillie #2-30
Job Ticket: 34537 **DST#: 1**
Test Start: 2015.08.10 @ 07:39:13

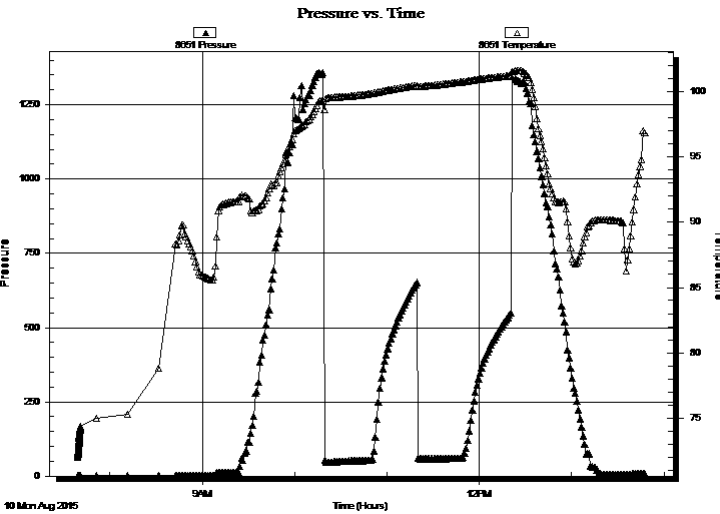
GENERAL INFORMATION:

Formation: **Plattsmouth**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 10:19:13 Tester: Brannan Lonsdale
Time Test Ended: 13:47:13 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 SUMMARY

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

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

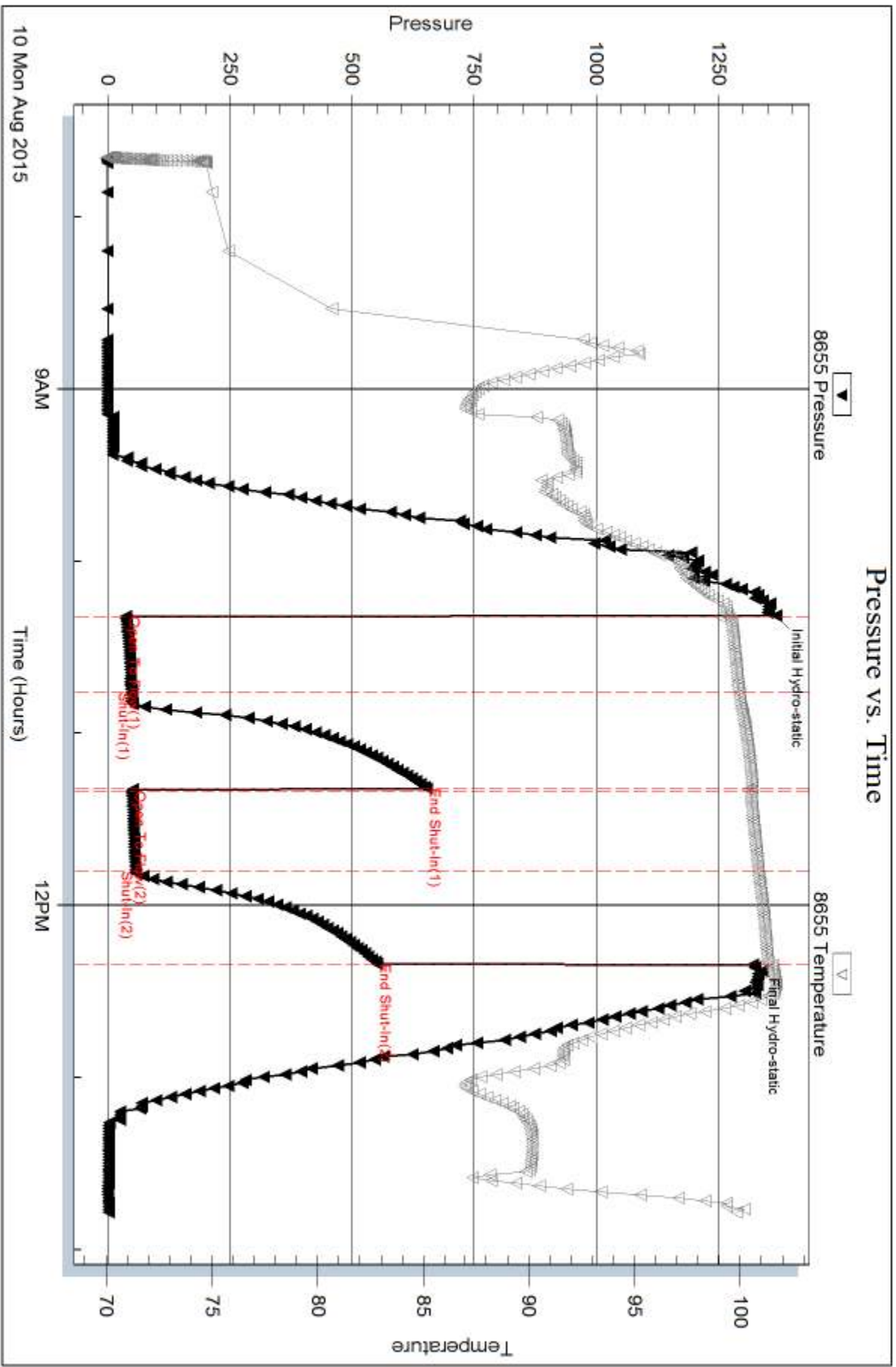
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



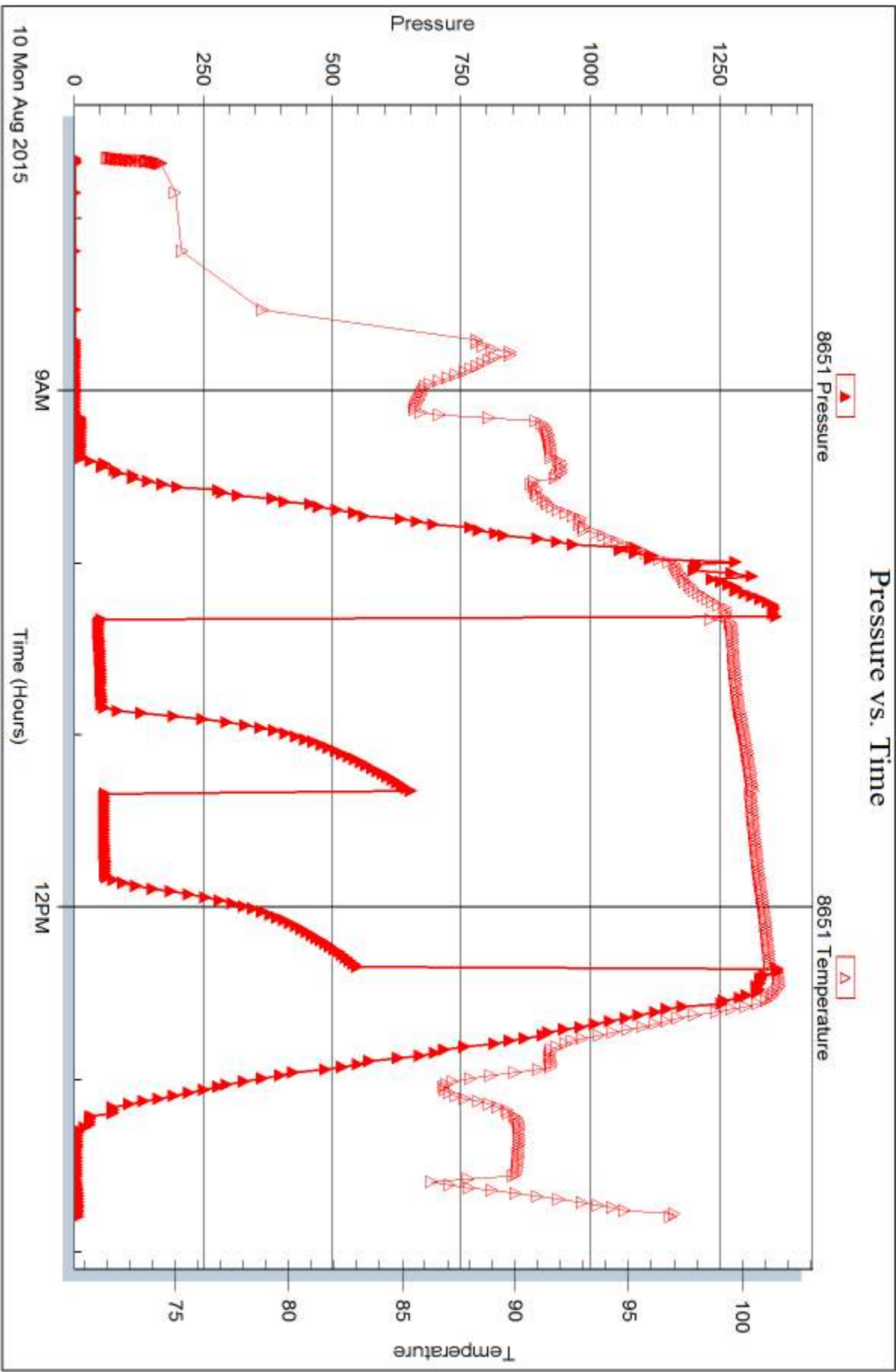
Serial #: 8651

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:

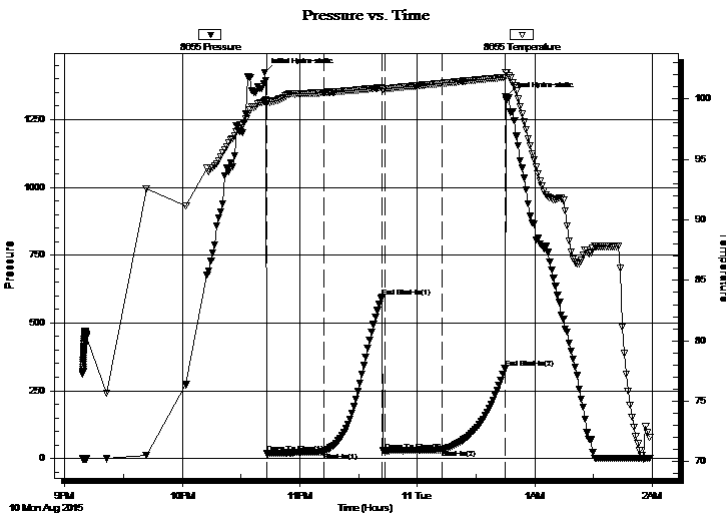
01:58:38

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

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)

Total Depth: 2950.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1890.00 ft (KB)

1882.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8651 Inside

Press@RunDepth: psig @ 2915.00 ft (KB)

Start Date: 2015.08.10

End Date:

2015.08.11

Start Time: 21:09:27

End Time:

01:59:56

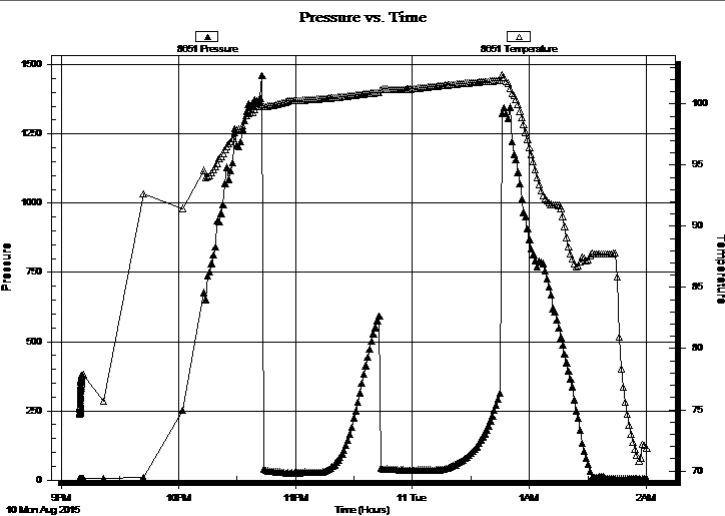
Capacity: 8000.00 psig

Last Calib.: 2015.08.11

Time On Btm:

Time Off Btm:

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

Recovery

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

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: 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

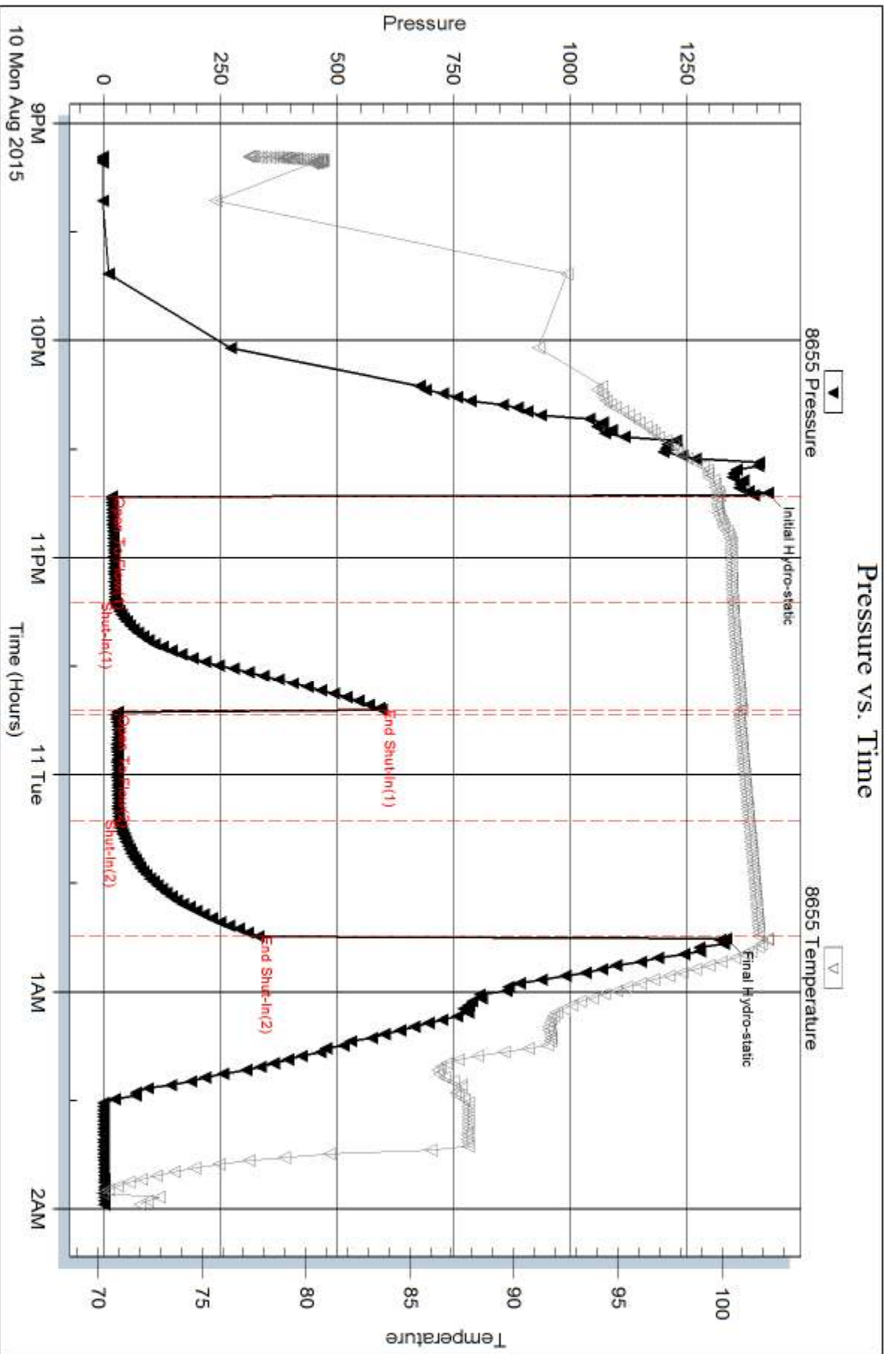
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



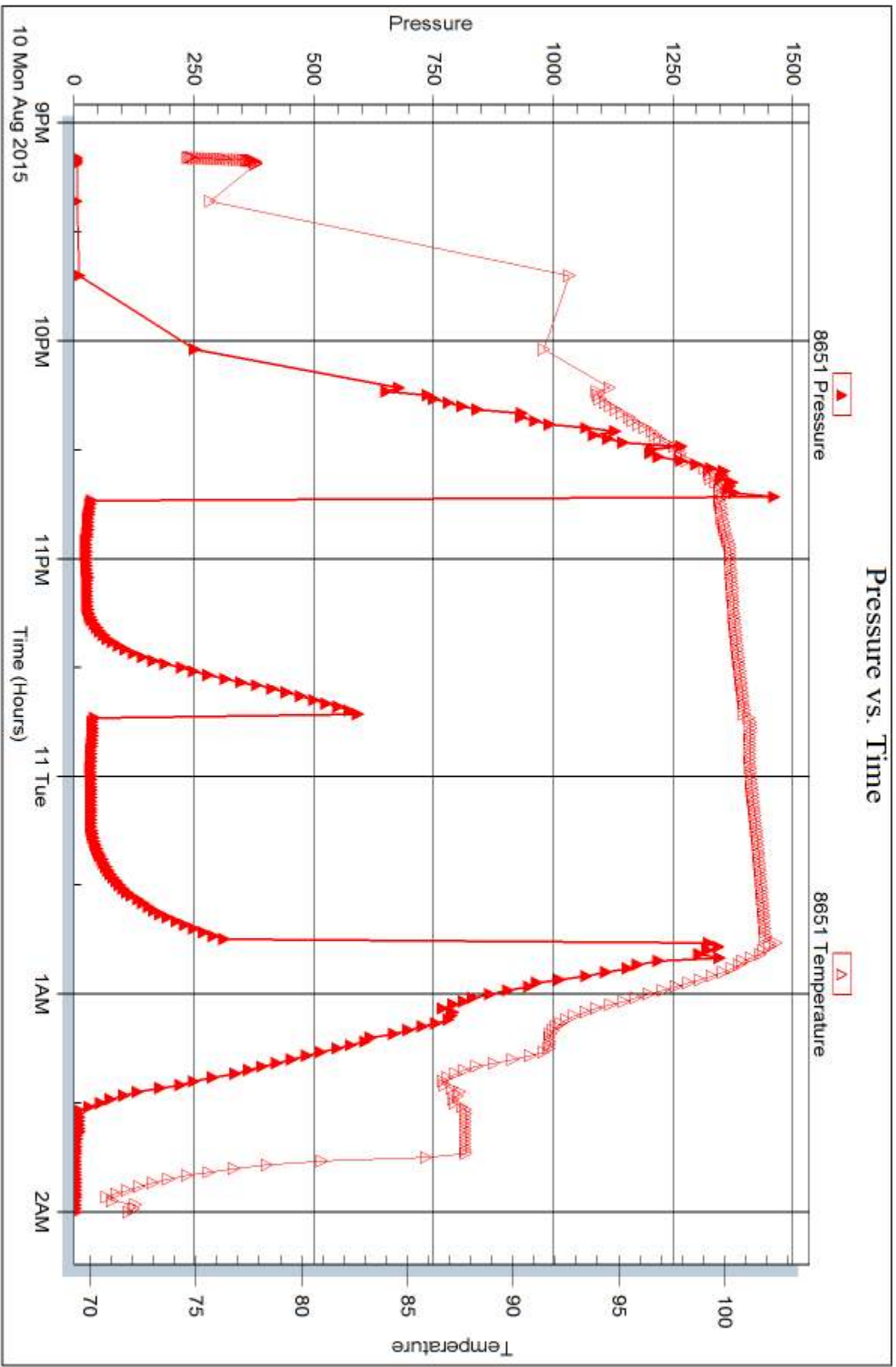
Serial #: 8651

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
 Interval: **3022.00 ft (KB) To 3075.00 ft (KB) (TVD)**
 Total Depth: 3075.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1890.00 ft (KB)
 1882.00 ft (CF)
 KB to GR/CF: 8.00 ft

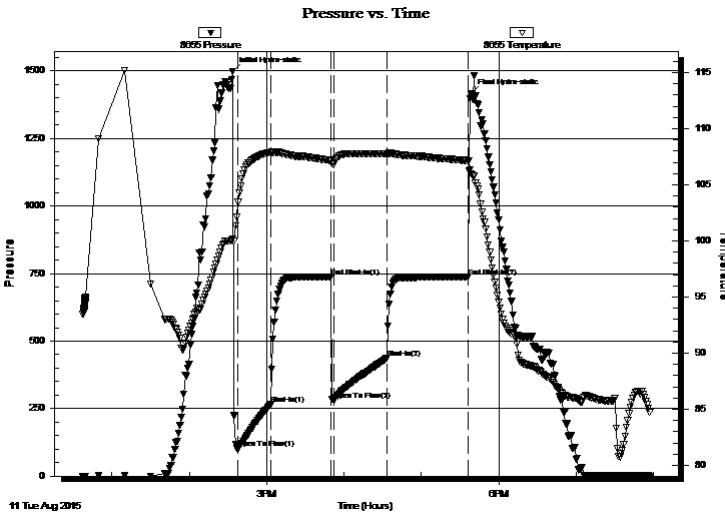
Serial #: 8655

Outside

Press@RunDepth: 435.93 psig @ 3040.00 ft (KB)
 Start Date: 2015.08.11 End Date: 2015.08.11
 Start Time: 12:37:24 End Time: 19:56:53
 Capacity: 8000.00 psig
 Last Calib.: 2015.08.11
 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)



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

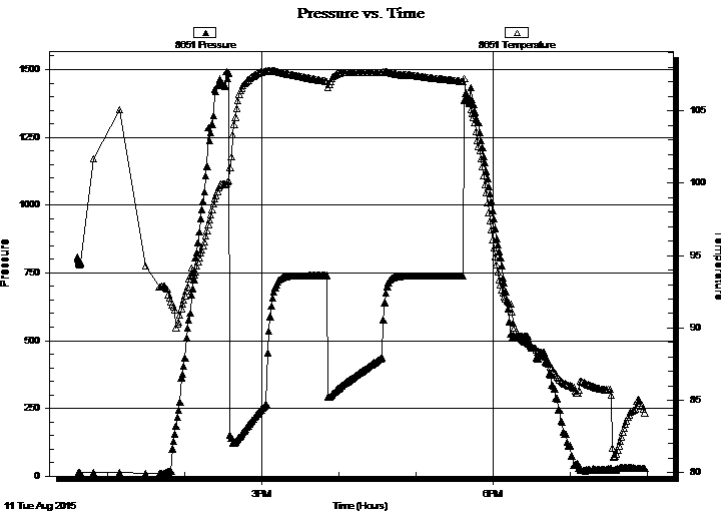
Test Start: 2015.08.11 @ 12:37:23

GENERAL INFORMATION:

Formation: **LKC "A-C"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:37:53 Tester: Brannan Lonsdale
 Time Test Ended: 19:56:53 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:

bbbl

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 bbbl
1032.00	MW, 10%M 90%W	12.512
0.00	1969' GIP	0.000

Total Length: 1032.00 ft Total Volume: 12.512 bbl

Num Fluid Samples: 0

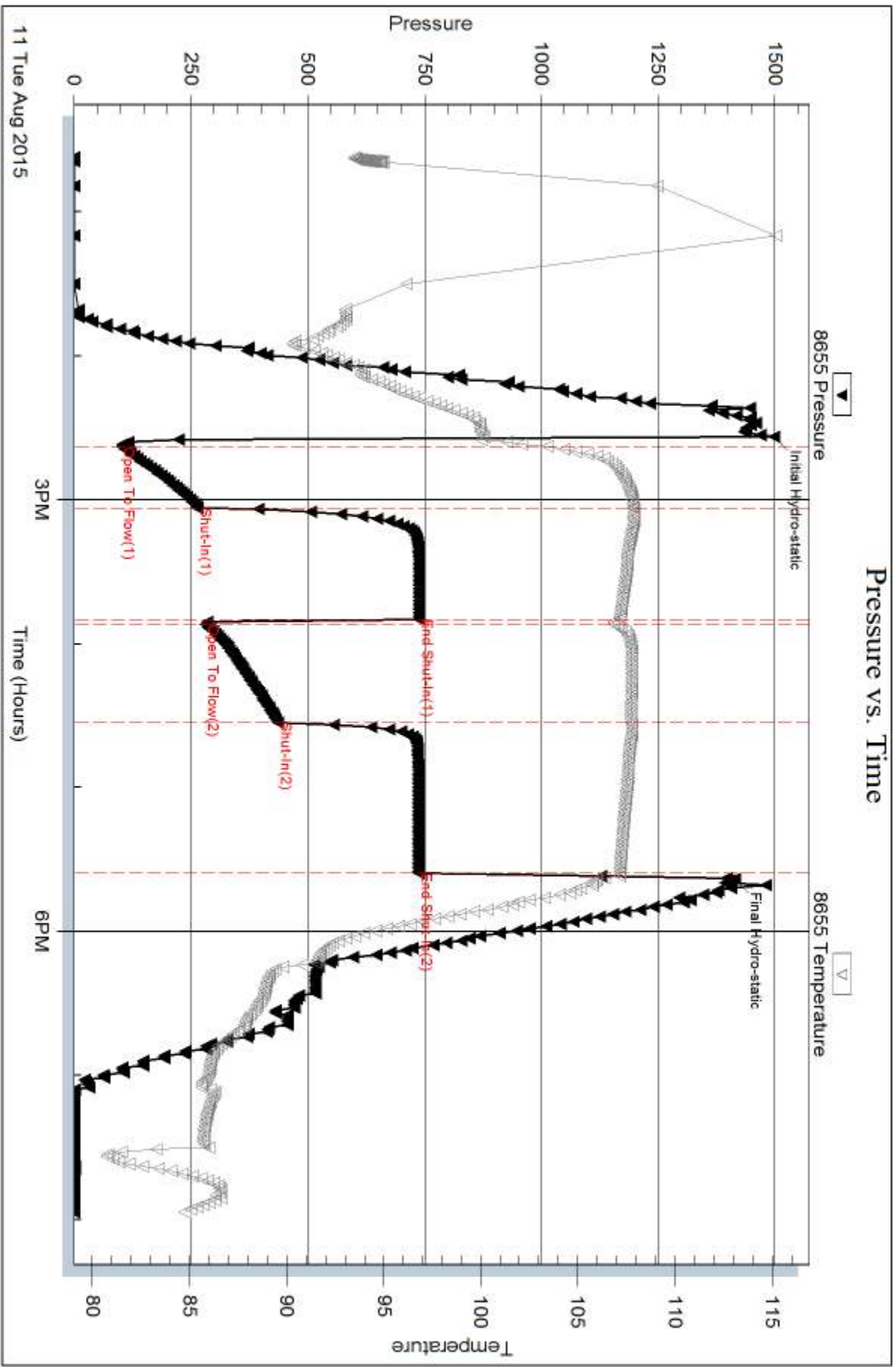
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



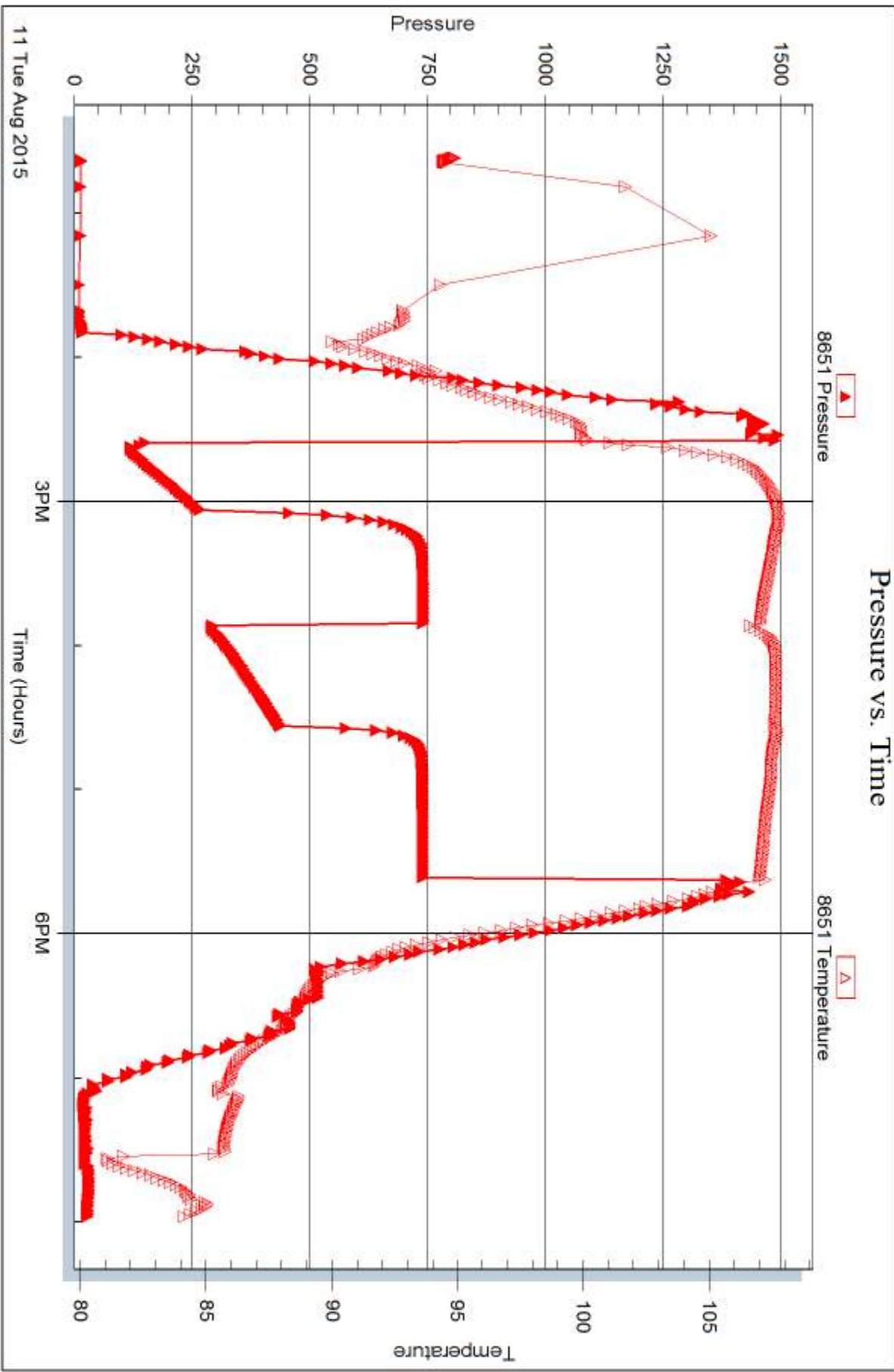
Serial #: 8651

Inside

American Warrior, Inc.

Lille #2-30

DST Test Number: 3



Trilobite 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
 Interval: **3165.00 ft (KB) To 3240.00 ft (KB) (TVD)**
 Total Depth: 3240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1890.00 ft (KB)
 1882.00 ft (CF)
 KB to GR/CF: 8.00 ft

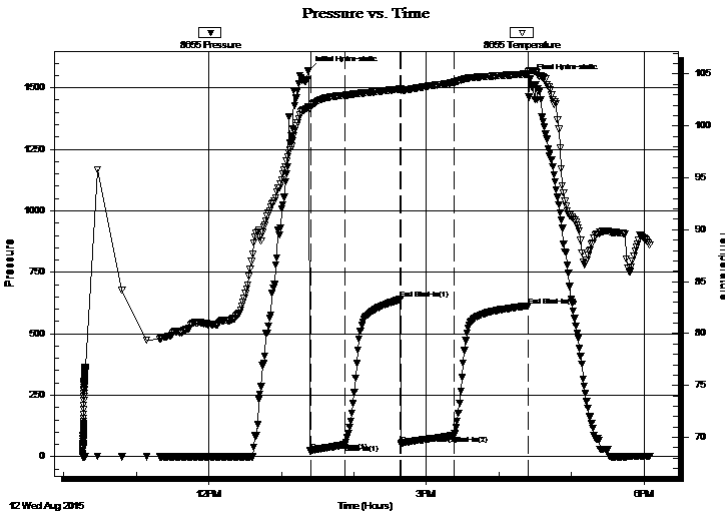
Serial #: 8655

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

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:

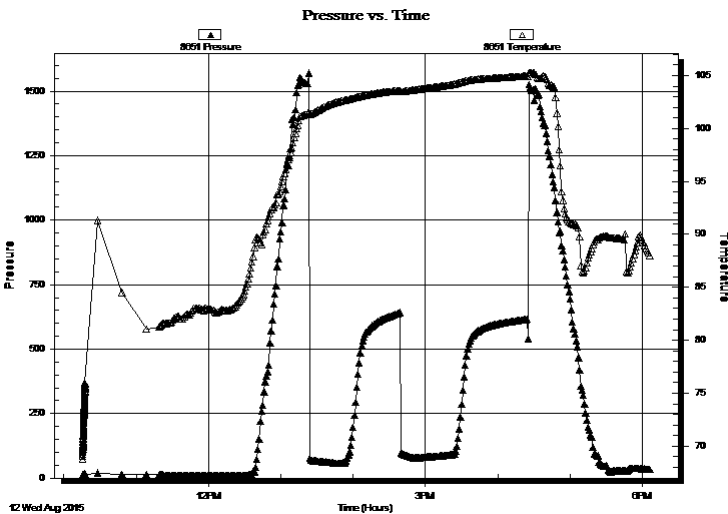
Formation: **LKC "H-J"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 13:24:20 Tester: Brannan Lonsdale
Time Test Ended: 18:04:50 Unit No: 62
Interval: 3165.00 ft (KB) To 3240.00 ft (KB) (TVD) Reference Elevations: 1890.00 ft (KB)
Total Depth: 3240.00 ft (KB) (TVD) 1882.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 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: 10:15:33 End Time: 18:06:02 Time On Btm:
Time Off Btm:

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



PRESSURE SUMMARY

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

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

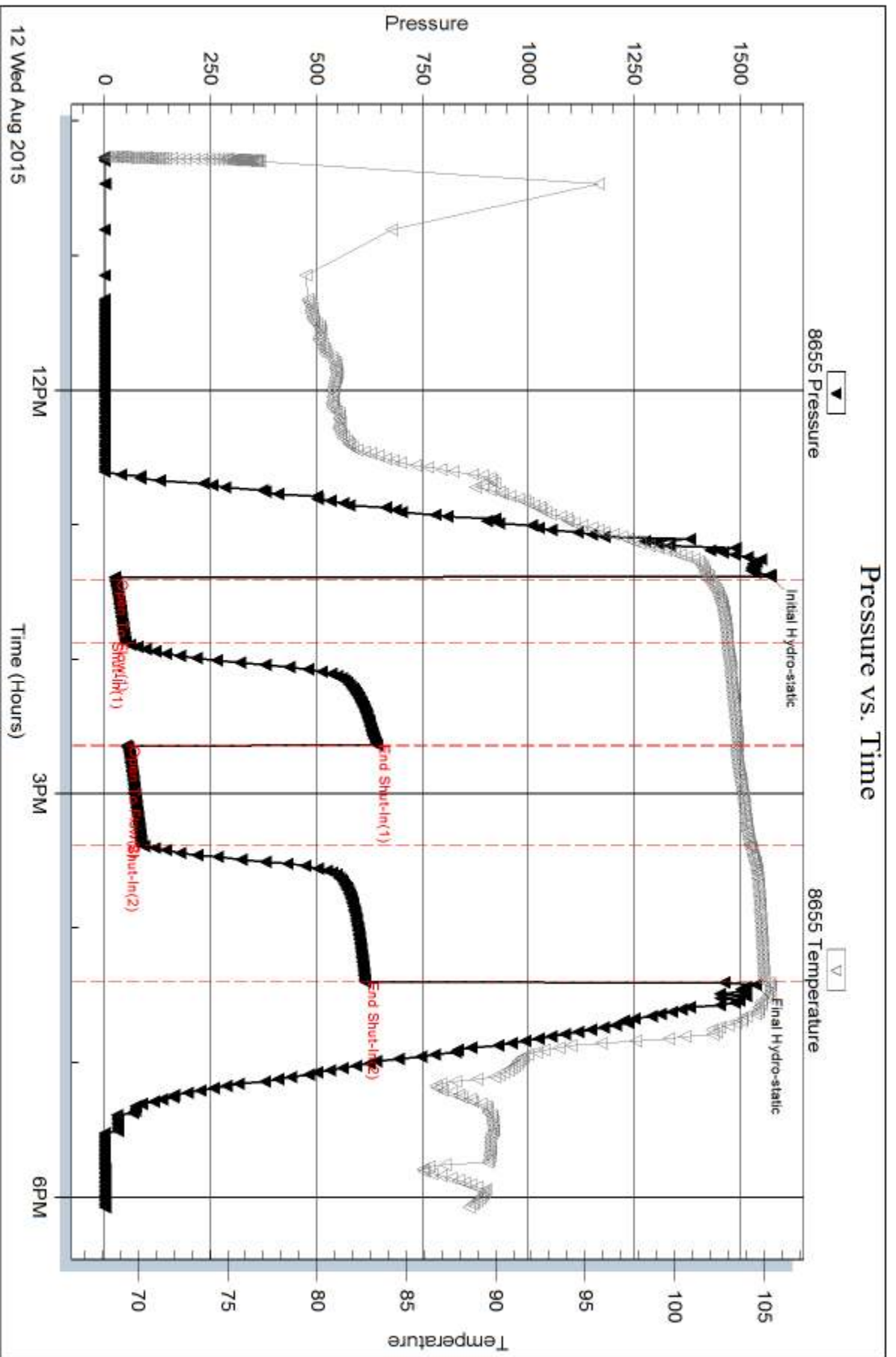
Num Gas Bombs: 0

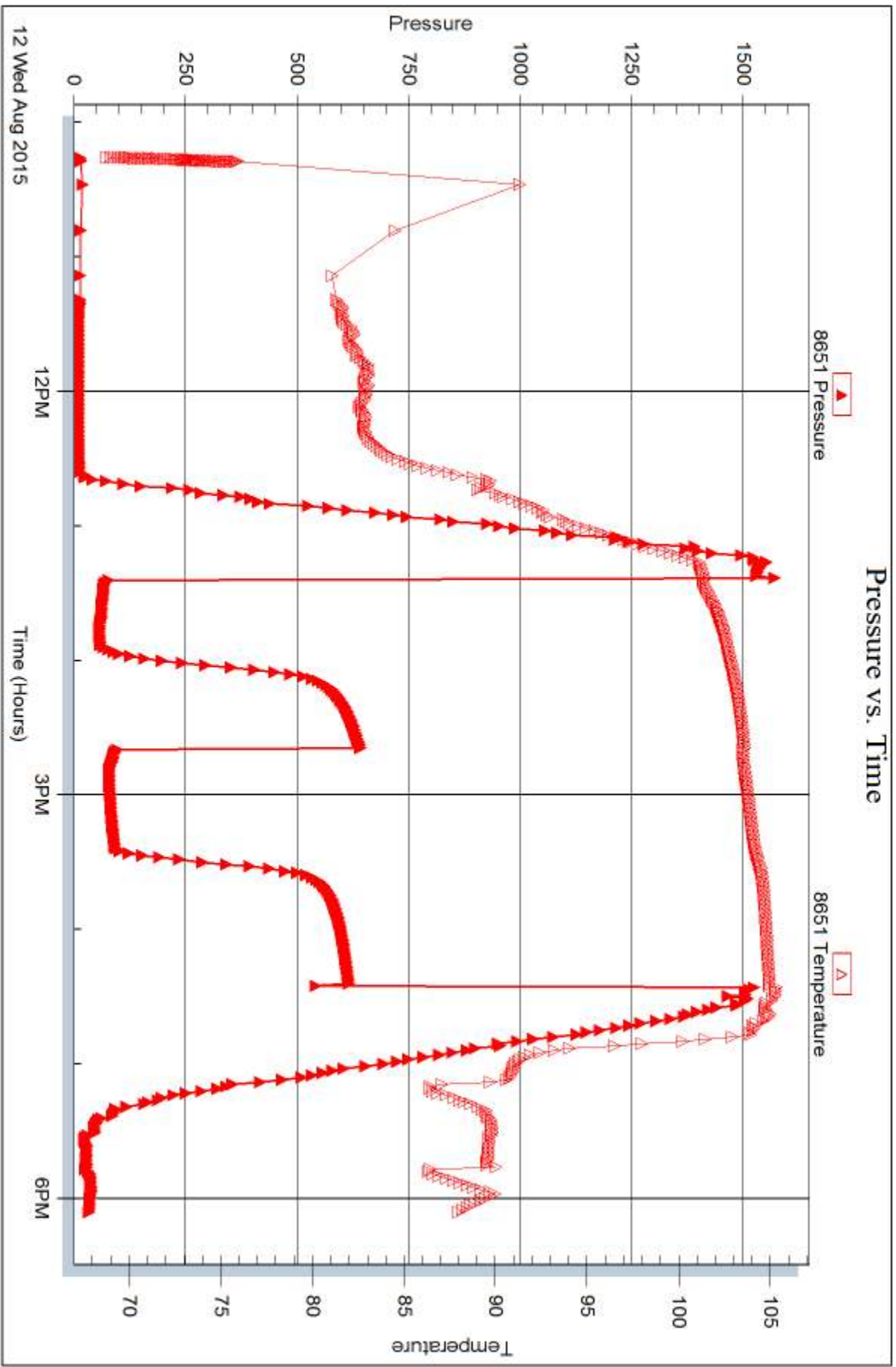
Serial #:

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:

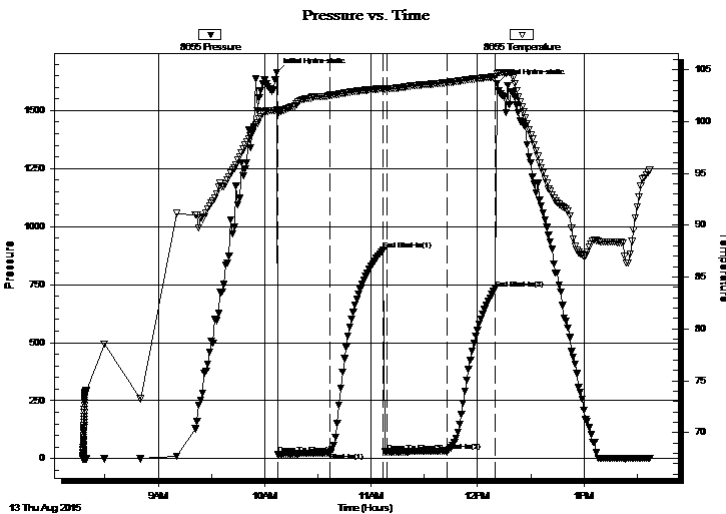
13:37:27

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:

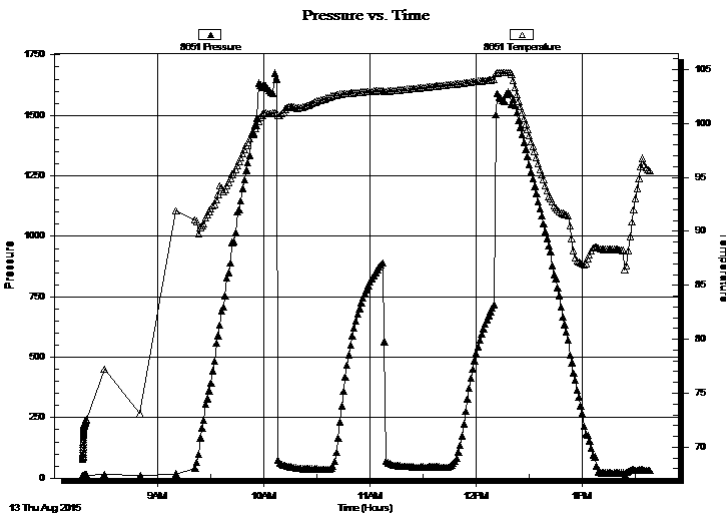
13:38:42

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slowly built to 1"
30- IS- No blow
30- FF- Surface blow
30- FS- 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
			Total Volume: 44.86 bbl	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

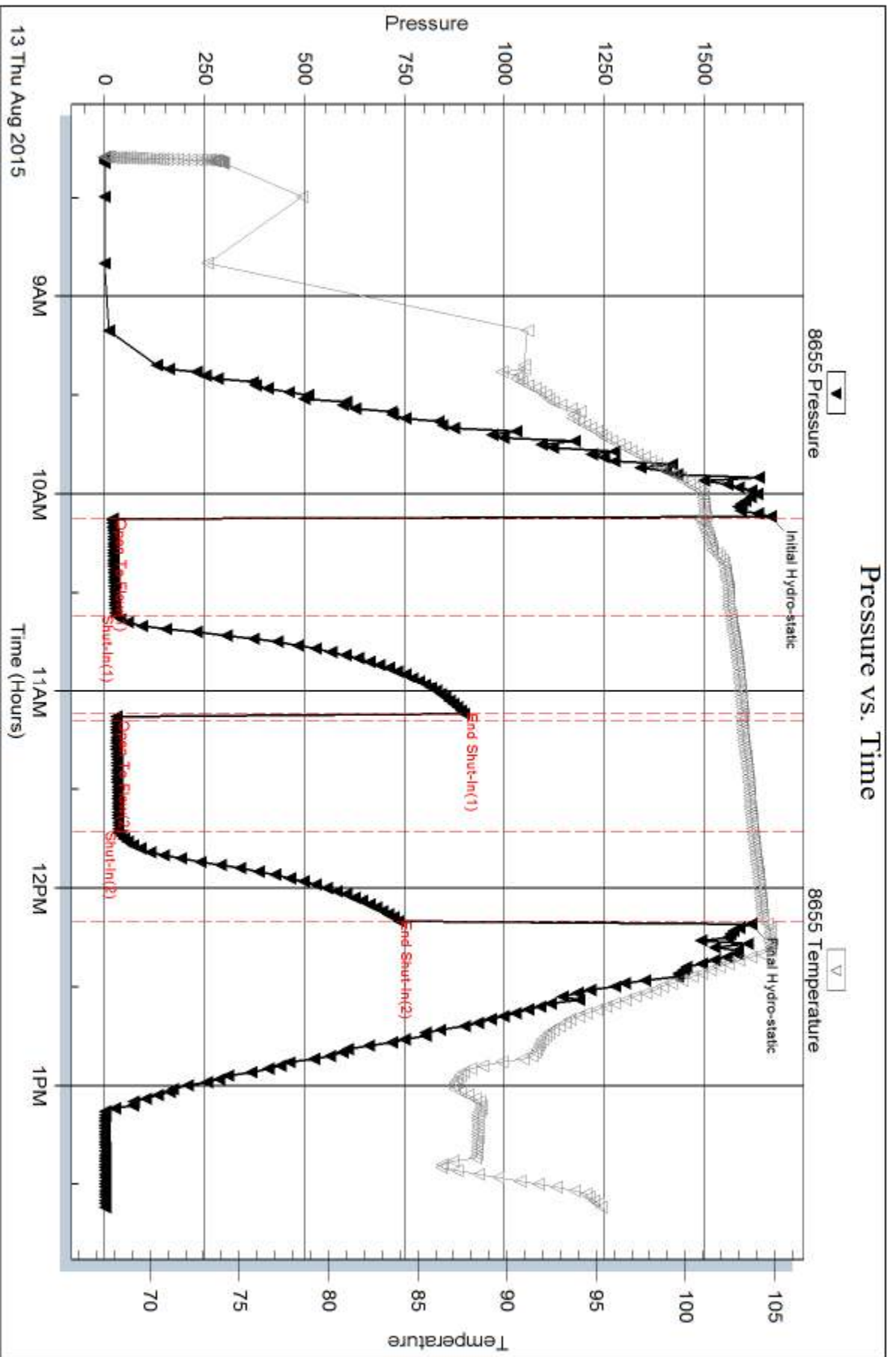
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



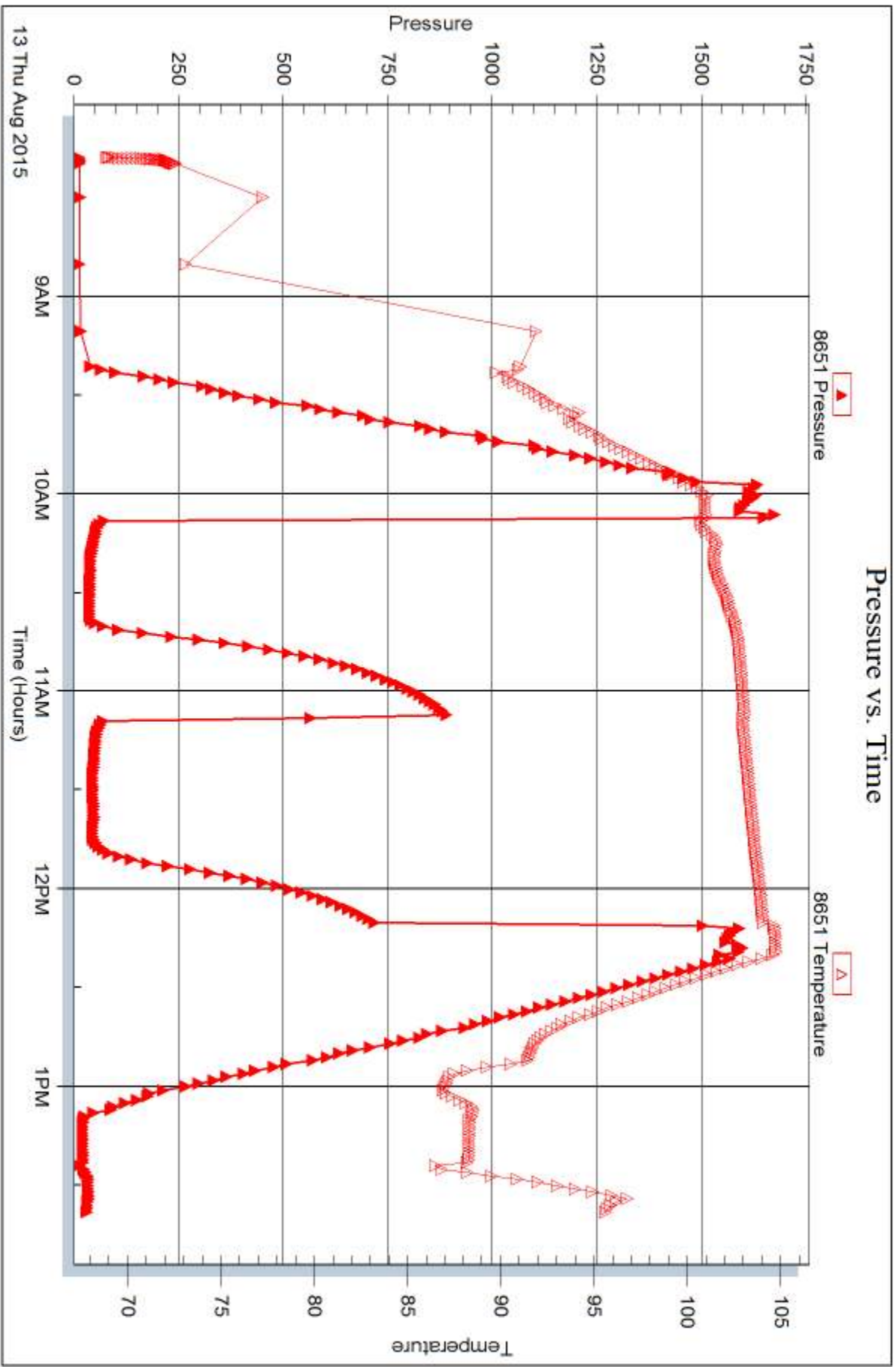
Serial #: 8651

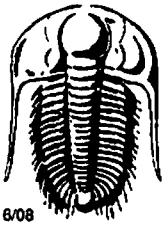
Inside

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

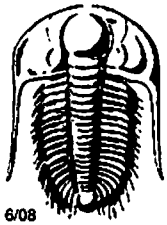
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>93</u>	<u>—</u>	<u>—</u>	<u>93</u>				
Rec. <u>93</u>	Feet of <u>M</u>						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						

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>

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Approved By _____ Our Representative Brennan 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. Pleasant 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

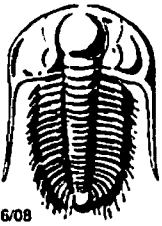
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>30'</u>	_____	_____	<u>30</u>				
Rec. <u>30</u> Feet of <u>M</u>							
Rec. _____ Feet of _____							
Rec. _____ Feet of _____							
Rec. _____ Feet of _____							
Rec. _____ Feet of _____							

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 1497	Sub Total 0	Sub Total 0
T-out <u>8/11 0159</u>			Total 1497

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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

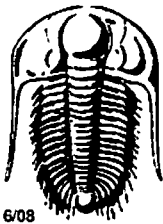
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>1032</u>	<u>1969</u>	<u>—</u>	<u>1032</u>			<u>90%</u>	<u>10%</u>
Rec. <u>1032</u>	Feet of <u>NLW</u>						
Rec. _____	Feet of <u>1969 GIP</u>						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						
Rec. _____	Feet of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

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 Cummings 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 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

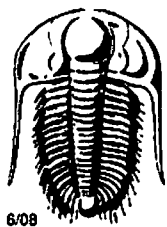
BHT 105 °F Gravity 25 °API D @ 86 °F Corrected Gravity 22 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 9,200 ppm System

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

Geological Report

American Warrior, Inc.

Lillie #2-30

633' FNL & 2097' FEL

Sec 30, T16s, R10w

Ellsworth County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Lillie #2-30
633' FNL & 2097' FEL
Sec 30, T16s, R10w
Ellsworth County, Kansas
API # 15-053-21331-00-00

Drilling Contractor: Discovery Drilling Rig #2

Geologist: Luke Thompson

Spud Date: August 7, 2015

Completion Date: August 15, 2015

Elevation 1882' G.L.
1890' K.B.

Directions: From the North side of Hollyrood, KS, at the intersection of Hwy 156 and Ave T go 3.8 miles west to County Line Rd on Ave T, go 3 miles North to Rd Q, go 0.5 miles East, go South 0.1 miles on Lease Rd and East into.

Casing: 389' 8 5/8" #23 Surface Casing
3502' 5 1/2" #15.5 Production Casing

Samples: 2600' to RTD 10' Wet & Dry

Drilling Time: 2500' to RTD

Electric Logs: Pioneer Energy Services "C. Desaire"
Full Sweep

Drillstem Tests: Five-Trilobite Testing "Brannan Lonsdale"

Problems: none encountered

Formation Tops

Lillie #2-30

633' FNL & 2097' FEL

Sec 30, T16s, R10w

Anhydrite	686' +1204
Base	712' +1178
Howard	2586' -696
Topeka	2624' -734
Lecompton	2762' -872
Plattsmouth	2836' -946
Heebner	2916' -1026
Toronto	2935' -1045
Douglas	2946' -1056
Brown Lime	3018' -1128
Lansing	3038' -1148
Stark	3256' -1366
BKC	3313' -1423
Conglomerate	3340' -1450
Arbuckle	3354' -1464
RTD	3500' -1610
LTD	3501' -1611

Sample Zone Descriptions

Plattsmouth (2872', -982): Covered in DST #1

Limestone, cream, sub-crystalline, slightly oolitic, scattered vuggy porosity, porosity recrystallized, good odor, spotted brown stain, poor to fair saturation, fair to good flush cut. Gas 65 units hotwire.

Toronto (2940', -1050): Covered in DST #2

Limestone, cream, sub-crystalline, no visible porosity, very slight odor, occasional scattered stain, very poor brown stain, very poor saturation, very poor slow string cut. Gas 65 units hotwire.

Lansing (3050', -1160 & 3070', -1180)

(3050') Limestone, cream, sub-crystalline, scattered pinpoint vuggy porosity, strong odor, fair stain and saturation in porosity, good stream cut. Gas 150 units hotwire.

(3070') Limestone, tan, oolitic packstone, poor oolitic porosity, fair oomoldic porosity, strong odor, fair stain, fair saturation, good stream to flush cut. Gas 160 units hotwire.

Lansing (3230', -1340)

Limestone, tan oolitic packstone, fair to good oomoldic porosity, fair to good odor, fair stain, fair saturation, fair stream cut. Gas 120 units hotwire.

Arbuckle (3375', -1485)

Dolomite, tan, fine crystalline, sucrosic, fair inter-crystalline porosity, strong odor, fair stain, poor to fair saturation, fair slow stream cut, show of free oil when broke. Gas 300 units hotwire.

Drill Stem Tests

Trilobite Testing
“Brannan Lonsdale”

DST #1

Plattsmouth

Interval (2850' – 2886') Anchor Length 36'

IHP	- 1367 #	
IFP	- 30" – ¼" blow	38-50 #
ISI	- 30" – No Return	652 #
FFP	- 30" – WSB	50-57 #
FSIP	- 30" – No Return	551 #
FHP	- 1320 #	
BHT	- 102° F	
Recovery:	93' M	

DST #2

Toronto

Interval (2898' – 2950') Anchor Length 52'

IHP	- 1424 #	
IFP	- 30" – 1" blow	18-25#
ISI	- 30" – No Return	596 #
FFP	- 30" – ½" blow	26-32 #
FSIP	- 30" – No Return	332 #
FHP	- 1336 #	
BHT	- 102 ° F	
Recovery:	30' M	

DST #3

Lansing A-C

Interval (3022' – 3075') Anchor Length 53'

IHP	- 1499 #	
IFP	- 30" – BOB 10 secs	101-265#
ISI	- 45" – BOB 25 min	738 #
FFP	- 45" – BOB instantly	281-436 #
FSIP	- 60" – BOB 2 min	737 #
FHP	- 1415 #	
BHT	- 107 ° F	
Recovery:	GTS 25 min (1969' GIP) 1032' MW	

DST #4**Lansing H-J**

Interval (3165' – 3240') Anchor Length 75'

IHP - 1571 #

IFP - 30" – BOB 7 min 24-49#

ISI - 45" – No Return 641 #

FFP - 45" – BOB 8 mins 51-86 #

FSIP - 60" – WSB dead 15 min 613 #

FHP - 1536 #

BHT - 105 ° F

Recovery: 407' GIP

156' VSGWOCM (20% Gas, 30% Oil)

DST #5**Arbuckle**

Interval (3326' – 3375') Anchor Length 49'

IHP - 1664 #

IFP - 30" – 1" blow 20-27#

ISI - 30" – No Return 900 #

FFP - 30" – WSB 29-34 #

FSIP - 30" – No Return 733 #

FHP - 1615 #

BHT - 105 ° F

Recovery: 22' GIP

10' CO

30 OCM (15% Oil)

Structural Comparison

	American Warrior, Inc. Lillie #2-30 Sec. 30, T16s, R10w 633' FNL & 2097' FEL		American Warrior, Inc. Lillie #1 Sec. 30, T16s, R10w 2970' FSL & 2310' FEL		Sam Gary Jr. & Associates Vanek et al Trust #1-24 Sec. 24, T16s, R11w 2310' FSL & 330' FWL
Formation					
Topeka	2624' -734	-4	2610' -730	+5	2656' -739
Heebner	2916' -1026	-7	2902' -1019	+5	2948' -1031
Toronto	2935' - 1045	-7	2921' -1038	+2	2964' -1047
Douglas	2946' -1056	-7	2932' -1049	+7	2980' -1063
Brown Lm	3018' -1128	-7	3004' -1121	+7	3052' -1135
Lansing	3038' -1148	-8	3023' -1140	+7	3072' -1155
Stark	3256' -1366			-9	3274' -1357
BKC	3313' -1423			-6	3334' -1417
Conglom	3340' -1450	-6	3327' -1444	-7	3360' -1443
Arbuckle	3354' -1464	+5	3352' -1469	+9	3390' -1473

Summary

The location for the Lillie #2-30 well was found via 3-D seismic survey. The new well ran structurally as expected. Five drill stem tests were conducted, two of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to run 5 1/2" casing to further evaluate the Lillie #2-30 well.

Perforations

Primary: **Arbuckle** **3381' – 3385'**

3369' – 3373' (shoot second)

3362' – 3366' (third)

3354' – 3358' (fourth)

Secondary: Lansing J 3222' – 3226'

Lansing H 3180' – 3187'

Before Abandonment: Lansing G 3133' – 3137'

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.



Services, Inc.

TICKET 27158

PAGE 1 OF 2

CHARGE TO: American Machine Inc
ADDRESS
CITY, STATE, ZIP CODE

1. SERVICE LOCATION HAYS KS	WELL/PROJECT NO. +2-30	LEASE Lillie	COUNTY/PARISH Ellsworth	STATE KS	CITY	DATE 8-14-15	OWNER
2. Well Type Oil	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR Discovery Drilling	RIG NAME NO. # 2	SHIPPED VIA	DELIVERED TO LOCATION	ORDER NO.	WELL LOCATION
3. REFERRAL LOCATION	WELL CATEGORY Development	WELL PURPOSE Louis Steins					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
ST-5					MILEAGE # 111	60	mi			5.00	300.00
ST-8					PUMP CHARGE - LOUIS STEINS	1	EA			1250.00	1250.00
290					D+ Air	2	gal			42.00	84.00
281					MUD FUEL	500	gal			1.25	625.00
221					LIQUID KEL	2	gal			25.00	50.00
402					CEMENTIZERS	8	EA	5 1/2		60.00	480.00
403					CEMENT BARREL	1	EA			250.00	250.00
406					LATCH DOWN PUG & BARREL	1	EA			225.00	225.00
407					INSERT HOAR SHAPE W/AUTO FIL	1	EA			300.00	300.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
DATE SIGNED: [Signature] TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	3564.00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.R.	3926.90
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	7490.90
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	379.47
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	7870.37

SWIFT OPERATOR: David Edgerton APPROVAL: [Signature]
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.
Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 27158

CUSTOMER
American Machine Inc

WELL
Lillie #2-30

DATE
8-14-15

PAGE 2 of 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT	
		LOC	ACCT	DR			QTY	U/M			QTY
325						STANDARD CEMENT	175	SKS	12.25	2143.75	
284						CALSEAL	8	SKS	30.00	240.00	
283						SALT	947	lbs	20	18940	
285						CER-1	83	lbs	4.50	373.50	
276						Flocele	44	lbs	2.25	99.00	
581						SERVICE CHARGE CEMENT	175	SKS	1.50	262.50	
583						MILEAGE CHARGE	18347	LOADED MILES	.75	618.75	
							CUBIC FEET	825	TON MILES		
CONTINUATION TOTAL											
										3926.90	

JOB LOG

SWIFT Services, Inc.

DATE 8-14-15 PAGE NO.

CUSTOMER AMERICAN Warrior WELL NO. #2-30 LEASE Lillie JOB TYPE LONG STRING TICKET NO. 27158

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								ON LOCATION w/ FLOAT EQUIP
								RTD - 3500'
								SHOE - 43.01 e
								CENT - 2, 4, 6, 8, 10, 12, 14, 16
								BSKT - 2
								5 1/2 - 15.50 16 csg
	1150							START CSG / FLOAT EQUIP
	125							BREAK CIRC ON BOTTOM
	215		7.5			0		PLUG RAT Hole - 30 SKS
			4.5			0		PLUG MOUSE Hole - 20 SKS
	220	4.5	12				200	START MUD FLUSH - 500 GAL
		4.5	20				200	START KCL SPACER - 20 BBSL
	225	4.5	0				200	START CMT - 125 SKS
		1.5	30				0	END CMT
								WASH P & L
		5	0				0	START Disp
	300	5	82				1500	PLUG LANDED
								- LIFT PSI - 700
								LAND PSI - 1500
								WASH TRK
								THANKS
								DAVID, JUSTIN & ISAAC