



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228275
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer

- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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.xxxxx) (e.g. -xxx.xxxxx)

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1228275

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			
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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	EHT 2.17
Doc ID	1228275

Tops

Name	Top	Datum
Anhydrite	1453	741
Heebner	3652	-1458
Lansing	3701	-1507
Base Kansas City	4024	-1830
Pawnee	4098	-1904
Ft. Scott	4177	-1983
Cherokee	4196	-2002
Mississippian	4281	-2087
TD	4302	-2108



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

EHT #2-17

17-18s-21w Ness,KS

Start Date: 2014.08.05 @ 01:54:50

End Date: 2014.08.05 @ 08:39:50

Job Ticket #: 58388 DST #: 1

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

Printed: 2014.08.07 @ 13:17:34



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

17-18s-21w Ness,KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58388

DST#: 1

ATTN: Jason Alm

Test Start: 2014.08.05 @ 01:54:50

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:06:50

Time Test Ended: 08:39:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4194.00 ft (KB) To 4240.00 ft (KB) (TVD)

Reference Elevations: 2194.00 ft (KB)

Total Depth: 4240.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8673 Outside

Press@RunDepth: 24.55 psig @ 4195.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.05

End Date:

2014.08.05

Last Calib.:

2014.08.05

Start Time: 01:54:51

End Time:

08:39:50

Time On Btm:

2014.08.05 @ 05:04:50

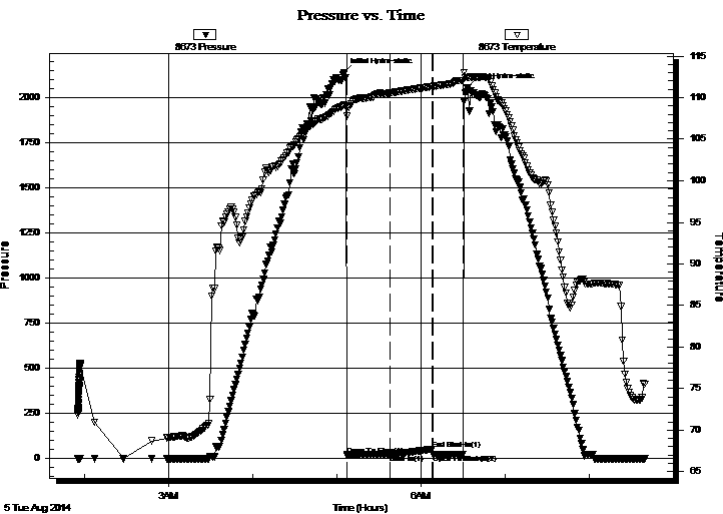
Time Off Btm:

2014.08.05 @ 06:32:50

TEST COMMENT: 30- IF- Slowly built to 3/4" in 13 mins and maintained blow throughout

30- IS- No blow

10- FF- No blow pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.82	109.12	Initial Hydro-static
2	21.28	107.77	Open To Flow (1)
33	24.55	110.56	Shut-In(1)
63	52.26	111.33	End Shut-In(1)
64	24.99	111.37	Open To Flow (2)
85	26.30	112.09	Shut-In(2)
88	2054.35	112.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58388

DST#: 1

ATTN: Jason Alm

Test Start: 2014.08.05 @ 01:54:50

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:06:50

Time Test Ended: 08:39:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: **4194.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Reference Elevations: 2194.00 ft (KB)

Total Depth: 4240.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8651 Inside

Press@RunDepth: psig @ 4195.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.05

End Date:

2014.08.05

Last Calib.:

2014.08.05

Start Time: 01:55:01

End Time:

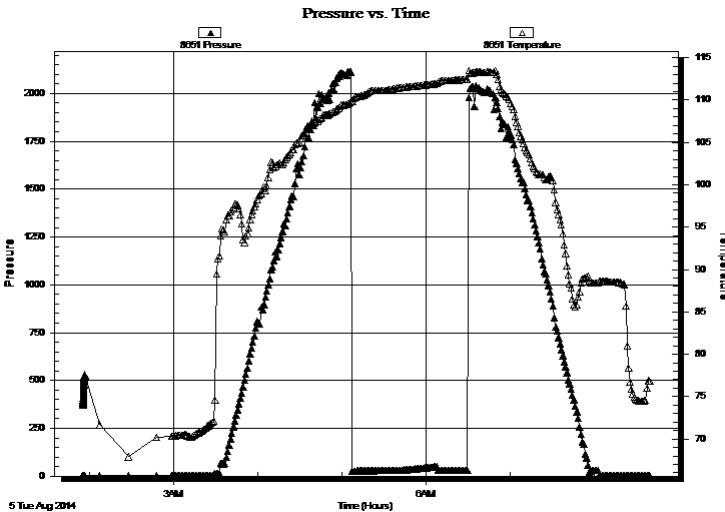
08:40:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF- Slowly built to 3/4" in 13 mins and maintained blow throughout
30- IS- No blow
10- FF- No blow pulled tool

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58388

DST#: 1

ATTN: Jason Alm

Test Start: 2014.08.05 @ 01:54:50

Tool Information

Drill Pipe:	Length: 4065.00 ft	Diameter: 3.75 inches	Volume: 55.53 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4194.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	73.00 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			4168.00	
Shut In Tool	5.00			4173.00	
Hydraulic tool	5.00			4178.00	
Jars	5.00			4183.00	
Safety Joint	2.00			4185.00	
Packer	5.00			4190.00	27.00 Bottom Of Top Packer
Packer	4.00			4194.00	
Stubb	1.00			4195.00	
Recorder	0.00	8651	Inside	4195.00	
Recorder	0.00	8673	Outside	4195.00	
Perforations	8.00			4203.00	
Change Over Sub	1.00			4204.00	
Drill Pipe	32.00			4236.00	
Change Over Sub	1.00			4237.00	
Bullnose	3.00			4240.00	46.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58388

DST#: 1

ATTN: Jason Alm

Test Start: 2014.08.05 @ 01:54:50

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

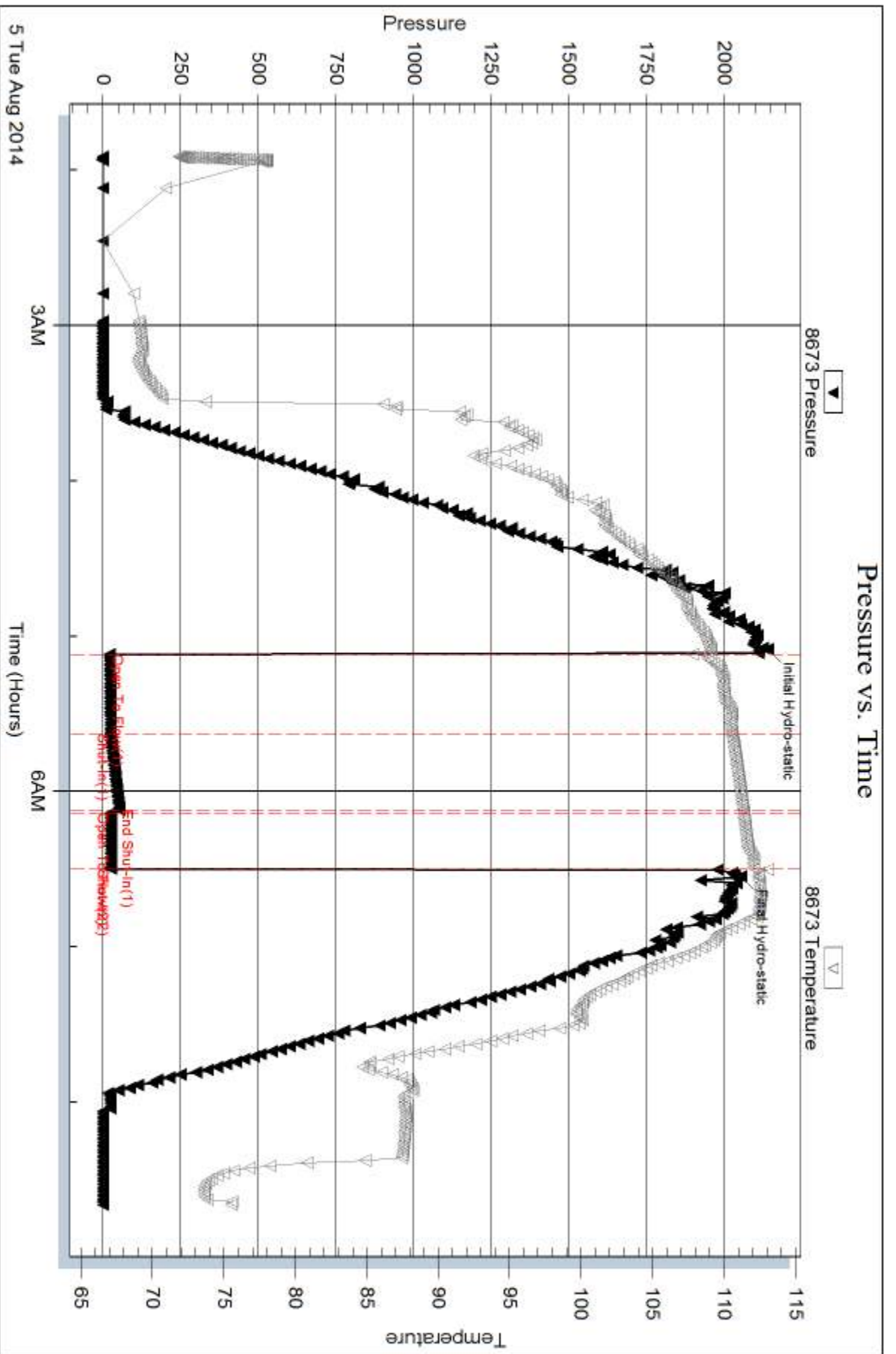
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



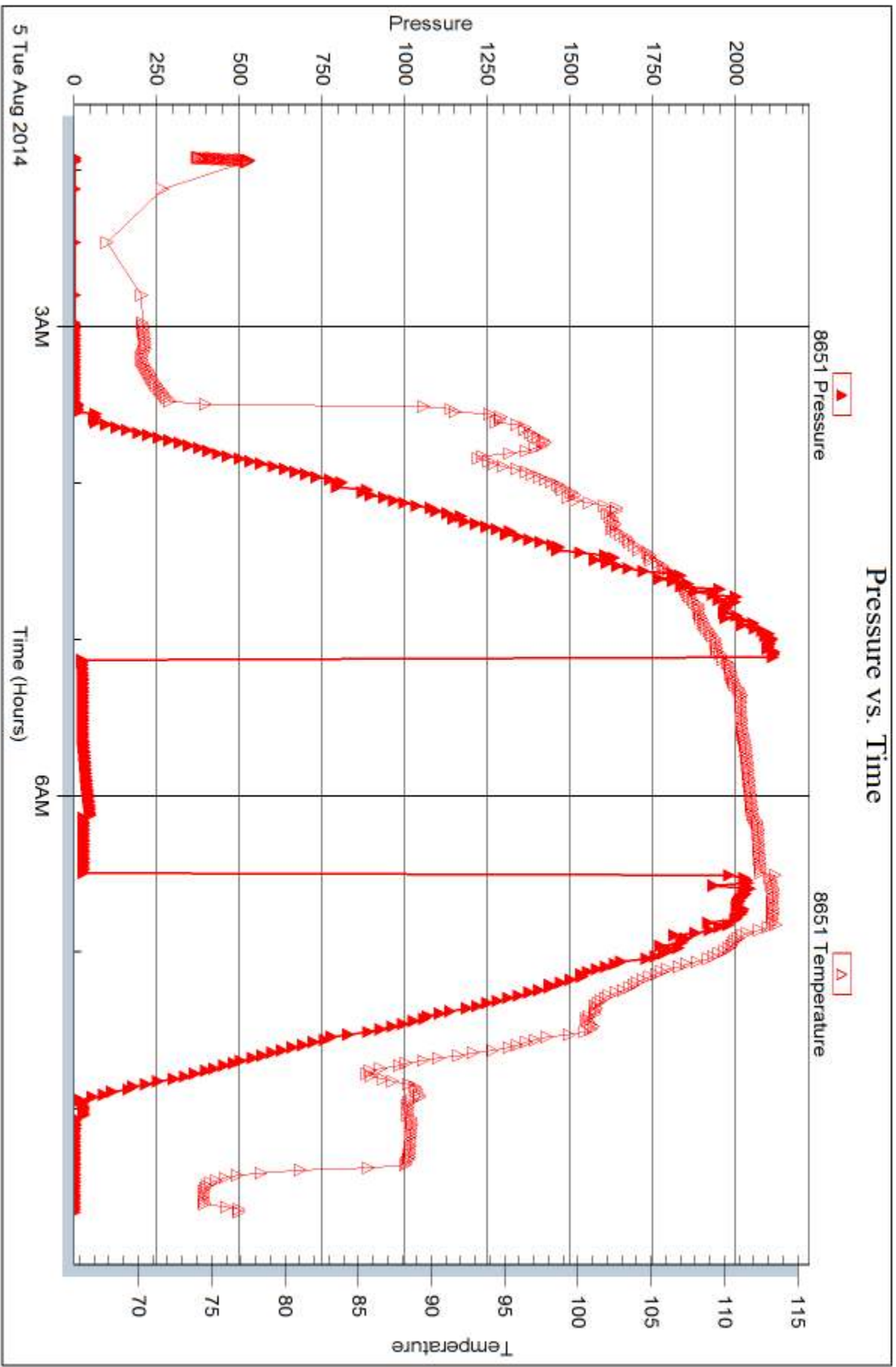
Serial #: 8651

Inside

American Warrior, Inc.

BHT #2-17

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58388

Printed: 2014.08.07 @ 13:17:35



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

EHT #2-17

17-18s-21w Ness,KS

Start Date: 2014.08.05 @ 17:36:55

End Date: 2014.08.06 @ 01:06:25

Job Ticket #: 58389 DST #: 2

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

Printed: 2014.08.07 @ 13:17:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58389

DST#: 2

ATTN: Jason Alm

Test Start: 2014.08.05 @ 17:36:55

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:57:55
 Tester: Brannan Lonsdale
 Time Test Ended: 01:06:25
 Unit No: 62
 Interval: **4289.00 ft (KB) To 4296.00 ft (KB) (TVD)**
 Reference Elevations: 2194.00 ft (KB)
 Total Depth: 4296.00 ft (KB) (TVD)
 2188.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 6.00 ft

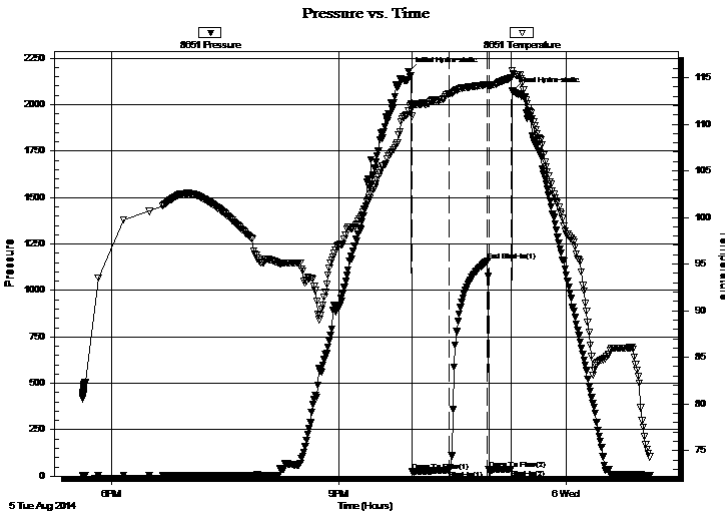
Serial #: 8651

Inside

Press@RunDepth: 31.98 psig @ 4290.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.05 End Date: 2014.08.06 Last Calib.: 2014.08.06
 Start Time: 17:36:56 End Time: 01:06:25 Time On Btm: 2014.08.05 @ 21:55:25
 Time Off Btm: 2014.08.05 @ 23:17:25

TEST COMMENT: 30- IF- Built very slow ly to 3/4"
 30- IS- No blow
 10- FF- Sporadic surface blow
 Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.46	111.47	Initial Hydro-static
3	24.72	110.86	Open To Flow (1)
32	31.98	113.28	Shut-In(1)
63	1158.09	114.28	End Shut-In(1)
64	34.17	114.05	Open To Flow (2)
81	37.79	114.94	Shut-In(2)
82	2072.39	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOWM, 10%O 20%W 70%M	0.15

* Recovery from multiple tests

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: Jason Alm

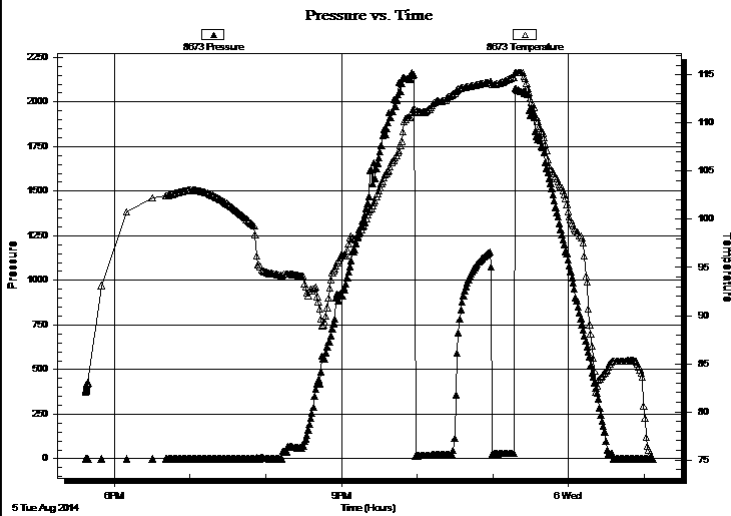
17-18s-21w Ness,KS
EHT #2-17
Job Ticket: 58389 **DST#: 2**
Test Start: 2014.08.05 @ 17:36:55

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 21:57:55
Tester: Brannan Lonsdale
Time Test Ended: 01:06:25
Unit No: 62
Interval: **4289.00 ft (KB) To 4296.00 ft (KB) (TVD)**
Reference Elevations: 2194.00 ft (KB)
Total Depth: 4296.00 ft (KB) (TVD)
2188.00 ft (CF)
Hole Diameter: 7.88 inches
Hole Condition: Fair
KB to GR/CF: 6.00 ft

Serial #: 8673 Outside
Press@RunDepth: psig @ 4290.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2014.08.05 End Date: 2014.08.06 Last Calib.: 2014.08.06
Start Time: 17:37:16 End Time: 01:06:45 Time On Btm:
Time Off Btm:

TEST COMMENT: 30- IF- Built very slow ly to 3/4"
30- IS- No blow
10- FF- Sporadic surface blow
Pulled tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOWM, 10%O 20%W 70%M	0.15

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.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58389

DST#: 2

ATTN: Jason Alm

Test Start: 2014.08.05 @ 17:36:55

Tool Information

Drill Pipe:	Length: 4161.00 ft	Diameter: 3.75 inches	Volume: 56.84 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4289.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4263.00	
Shut In Tool	5.00			4268.00	
Hydraulic tool	5.00			4273.00	
Jars	5.00			4278.00	
Safety Joint	2.00			4280.00	
Packer	5.00			4285.00	27.00 Bottom Of Top Packer
Packer	4.00			4289.00	
Stubb	1.00			4290.00	
Recorder	0.00	8651	Inside	4290.00	
Recorder	0.00	8673	Outside	4290.00	
Perforations	3.00			4293.00	
Bullnose	3.00			4296.00	7.00 Bottom Packers & Anchor

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58389

DST#: 2

ATTN: Jason Alm

Test Start: 2014.08.05 @ 17:36:55

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: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 16.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOWM, 10%O 20%W 70%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

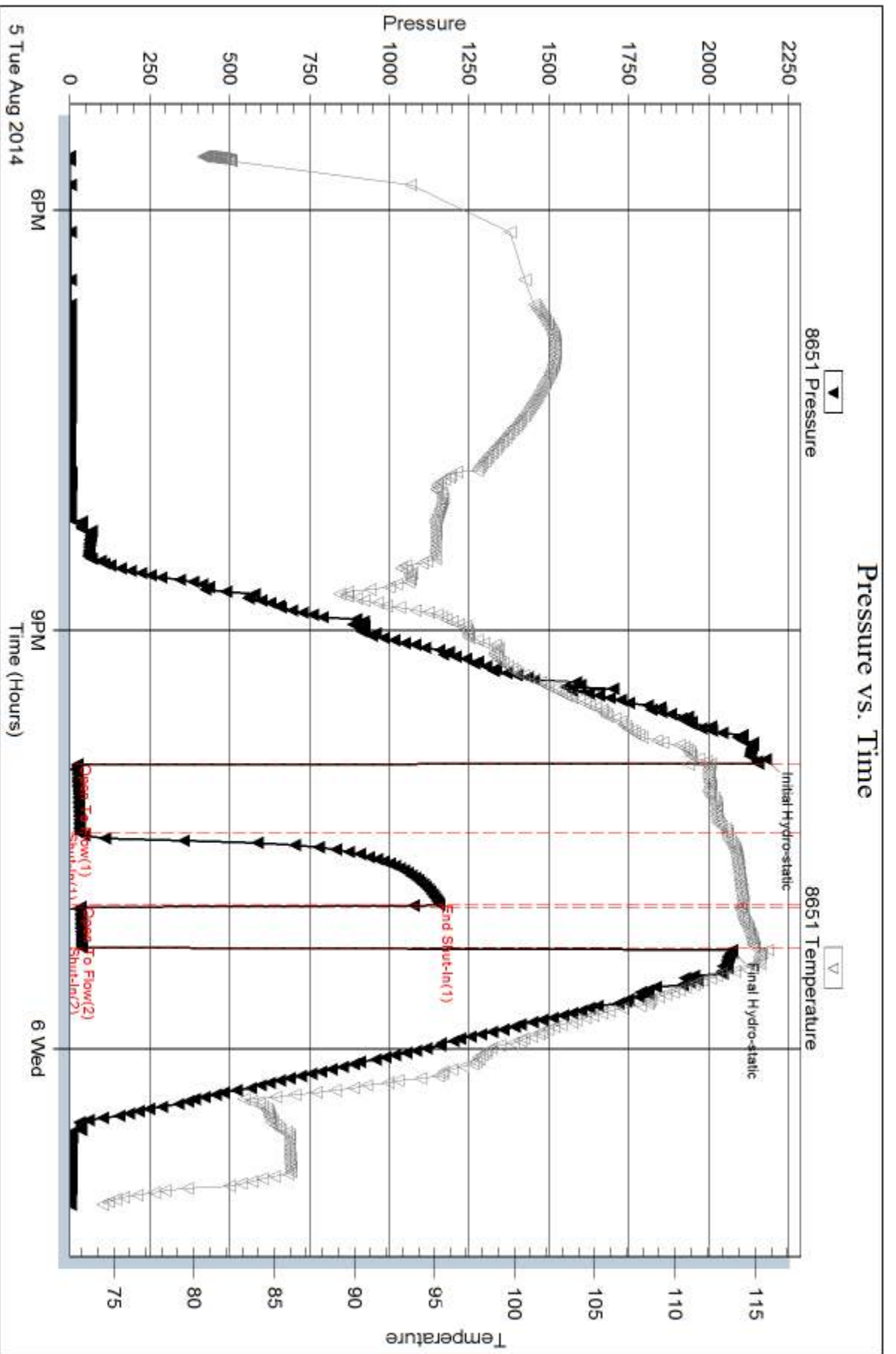
Num Gas Bombs: 0

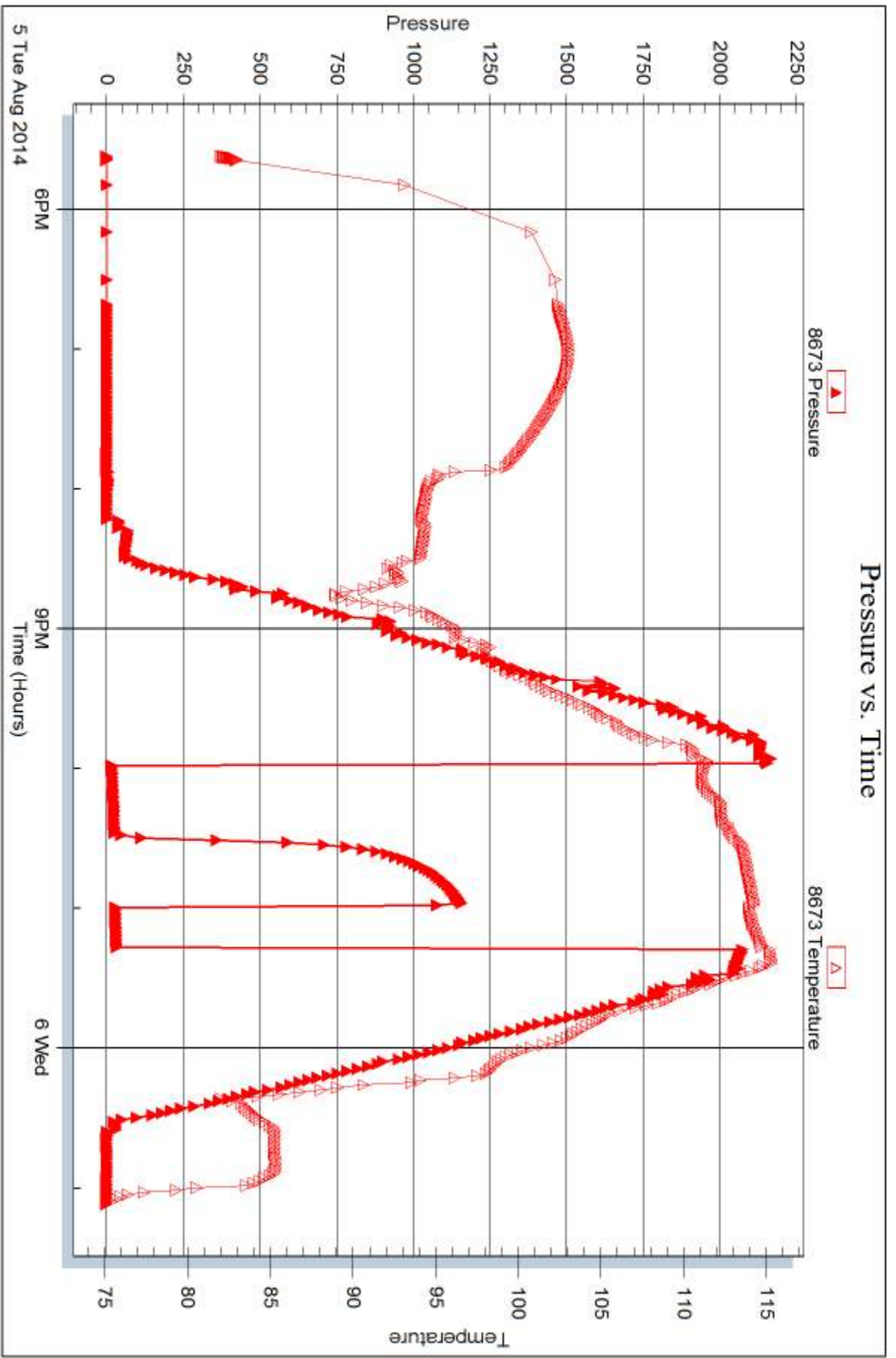
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

EHT #2-17

17-18s-21w Ness,KS

Start Date: 2014.08.06 @ 08:33:58

End Date: 2014.08.06 @ 17:07:28

Job Ticket #: 58390 DST #: 3

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

Printed: 2014.08.07 @ 13:16:36



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58390

DST#: 3

ATTN: Jason Alm

Test Start: 2014.08.06 @ 08:33:58

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:13:58
 Time Test Ended: 17:07:28
 Interval: **4295.00 ft (KB) To 4302.00 ft (KB) (TVD)**
 Total Depth: 4302.00 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: 2194.00 ft (KB)
 2188.00 ft (CF)
 KB to GR/CF: 6.00 ft

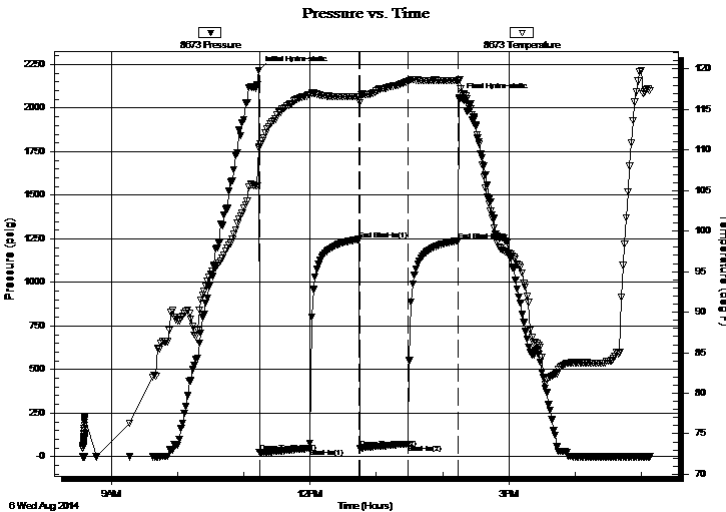
Serial #: 8673

Outside

Press@RunDepth: 71.63 psig @ 4296.00 ft (KB)
 Start Date: 2014.08.06 End Date: 2014.08.06
 Start Time: 08:33:59 End Time: 17:07:28
 Capacity: 8000.00 psig
 Last Calib.: 2014.08.06
 Time On Btm: 2014.08.06 @ 11:13:28
 Time Off Btm: 2014.08.06 @ 14:15:28

TEST COMMENT: 45- IF- Slow ly built to 2 1/4"
 45- IS- No blow
 45- FF- Slow ly built to 1 1/2"
 45- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.08	110.27	Initial Hydro-static
1	23.76	110.42	Open To Flow (1)
46	47.51	116.83	Shut-In(1)
91	1246.63	116.56	End Shut-In(1)
92	49.34	115.89	Open To Flow (2)
135	71.63	118.42	Shut-In(2)
181	1238.68	118.55	End Shut-In(2)
182	2058.14	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW, 15%M 85%W	0.62

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.

17-18s-21w Ness,KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58390

DST#: 3

ATTN: Jason Alm

Test Start: 2014.08.06 @ 08:33:58

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:13:58

Time Test Ended: 17:07:28

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4295.00 ft (KB) To 4302.00 ft (KB) (TVD)

Reference Elevations: 2194.00 ft (KB)

Total Depth: 4302.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8651 Inside

Press@RunDepth: psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.06

End Date:

2014.08.06

Last Calib.:

2014.08.06

Start Time: 08:34:22

End Time:

17:07:21

Time On Btm:

Time Off Btm:

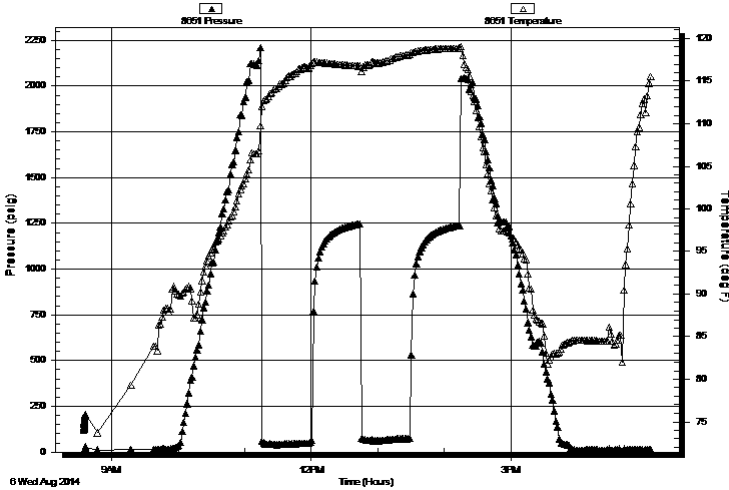
TEST COMMENT: 45- IF- Slow ly built to 2 1/4"

45- IS- No blow

45- FF- Slow ly built to 1 1/2"

45- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW, 15%M 85%W	0.62

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.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58390

DST#: 3

ATTN: Jason Alm

Test Start: 2014.08.06 @ 08:33:58

Tool Information

Drill Pipe:	Length: 4161.00 ft	Diameter: 3.75 inches	Volume: 56.84 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4295.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4269.00	
Shut In Tool	5.00			4274.00	
Hydraulic tool	5.00			4279.00	
Jars	5.00			4284.00	
Safety Joint	2.00			4286.00	
Packer	5.00			4291.00	27.00 Bottom Of Top Packer
Packer	4.00			4295.00	
Stubb	1.00			4296.00	
Recorder	0.00	8651	Inside	4296.00	
Recorder	0.00	8673	Outside	4296.00	
Perforations	3.00			4299.00	
Bullnose	3.00			4302.00	7.00 Bottom Packers & Anchor

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

17-18s-21w Ness, KS

PO Box 399
Garden City, KS 67846

EHT #2-17

Job Ticket: 58390

DST#: 3

ATTN: Jason Alm

Test Start: 2014.08.06 @ 08:33:58

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:

28000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 16.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MW, 15%M 85%W	0.616

Total Length: 120.00 ft Total Volume: 0.616 bbl

Num Fluid Samples: 0

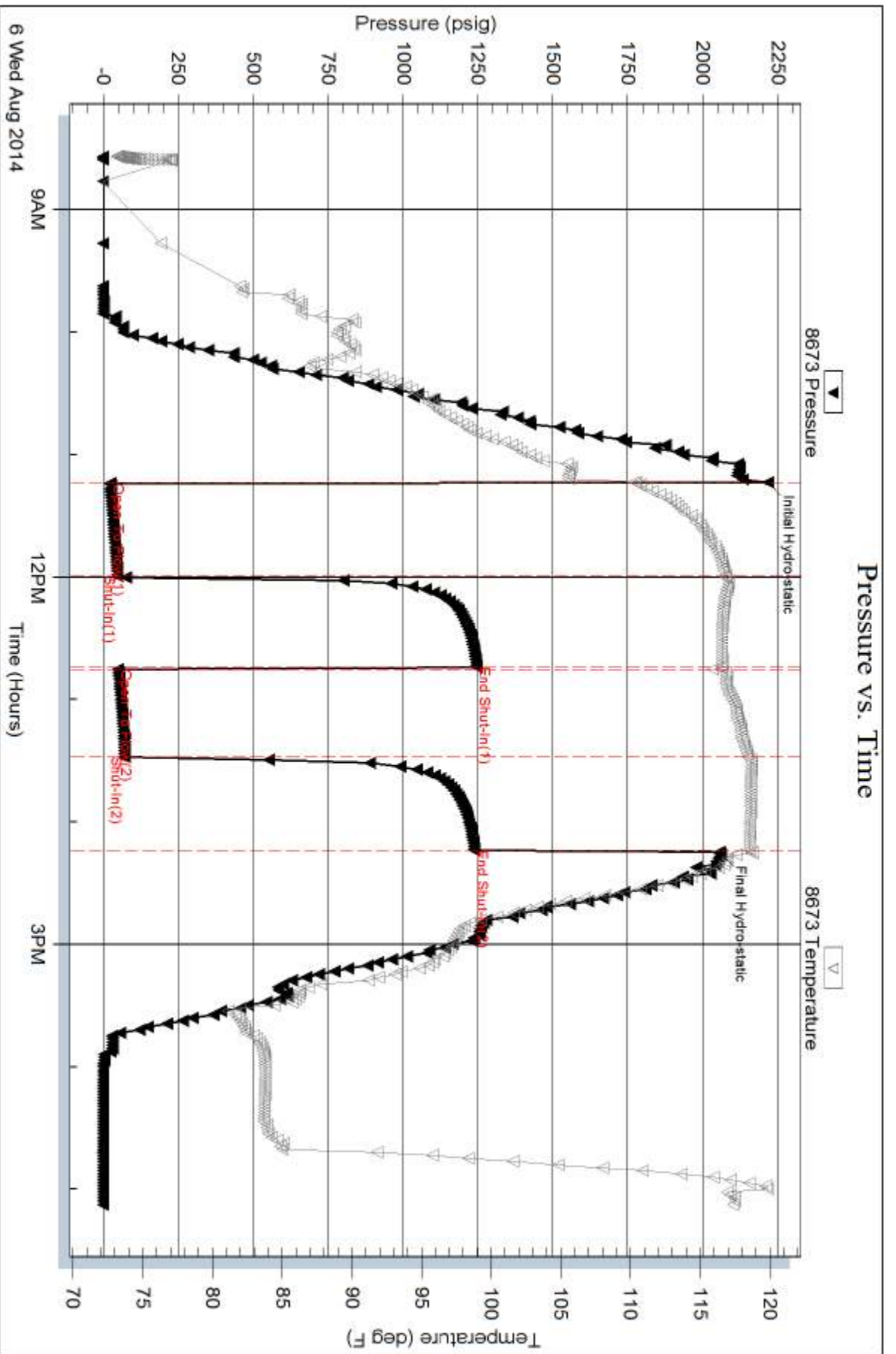
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



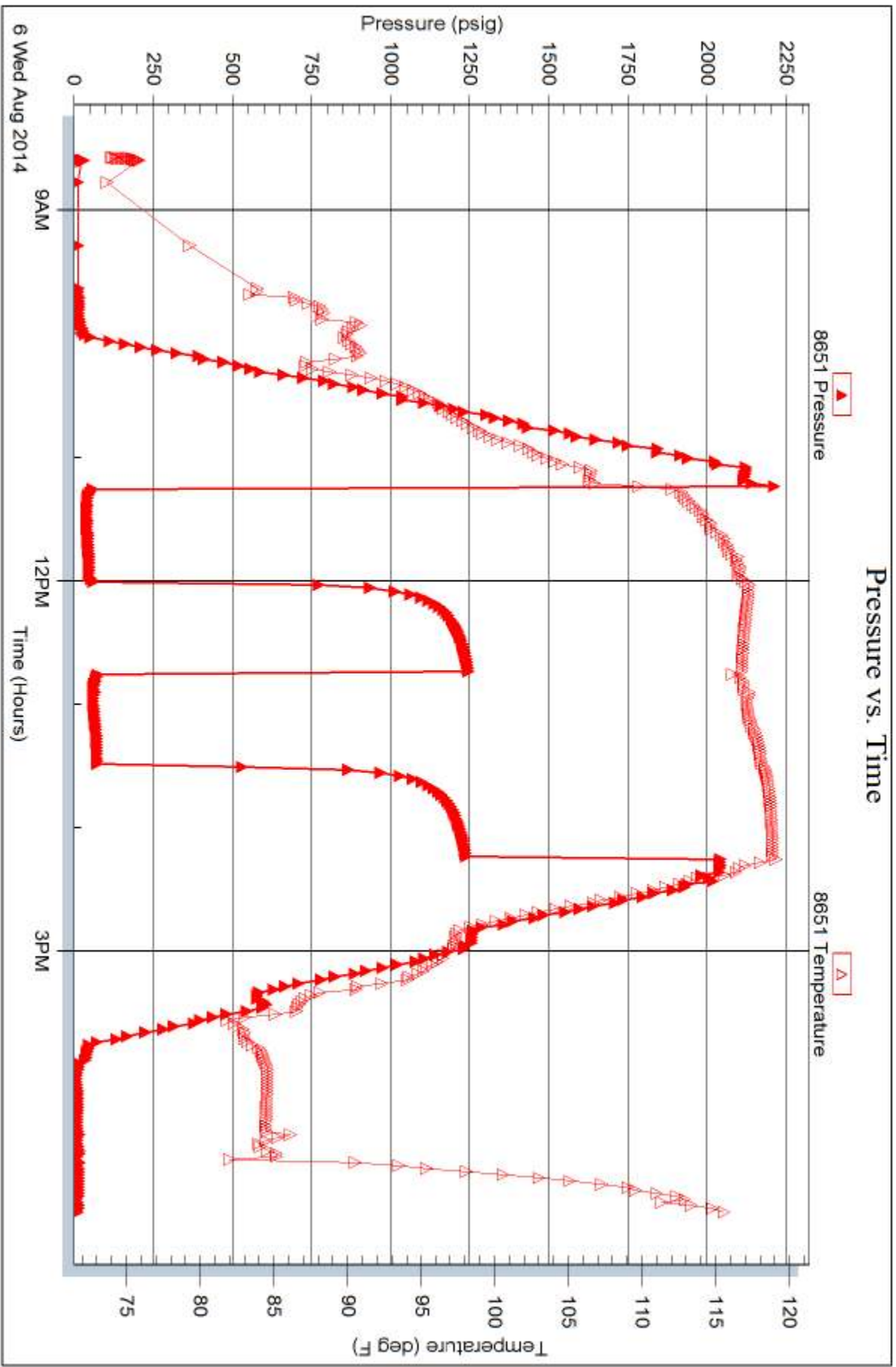
Serial #: 8651

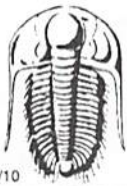
Inside

American Warrior, Inc.

EHT #2-17

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58388**

4/10

Well Name & No. American Warrior, Inc Test No. 1 Date 8/5/14
 Company EHT #2-17 Elevation 2194 KB 2188 GL
 Address 3118 Cummings, Rd. PO Box 399 Sarden City, KS 67846
 Co. Rep / Geo. Dason T Ahm Rig Petromark #1
 Location: Sec. 17 Twp. 18S Rge. 21W Co. Ness State KS

Interval Tested 4194-4240 Zone Tested Cherokee
 Anchor Length 46' Drill Pipe Run 4065 Mud Wt. 9.1
 Top Packer Depth 4189 Drill Collars Run 117 Vis 49
 Bottom Packer Depth 4194 Wt. Pipe Run WL 8.8
 Total Depth 4240 Chlorides 4,200 ppm System LCM
 Blow Description IF - slowly built to 3/4" in 13 mins then maintained throughout
PSI - No blow
FF - No blow pulled tool
PSI -

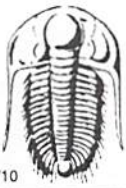
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 112° Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic <u>2141</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0140</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0155</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0507</u>
(D) Initial Shut-In <u>52</u>	<input type="checkbox"/> Circ Sub <u> </u>	T-Pulled <u>0617</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby <u> </u>	T-Out <u>0840</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>110 RT</u> 170.50	Comments <u> </u>
(G) Final Shut-In <u> </u>	<input type="checkbox"/> Sampler <u> </u>	<input type="checkbox"/> Ruined Shale Packer <u> </u>
(H) Final Hydrostatic <u>2054</u>	<input type="checkbox"/> Straddle <u> </u>	<input type="checkbox"/> Ruined Packer <u> </u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer <u> </u>	<input type="checkbox"/> Extra Copies <u> </u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u> </u>	Sub Total <u>0</u>
Final Flow <u>10 ↑ pulled</u>	<input type="checkbox"/> Extra Recorder <u> </u>	Total <u>1745.50</u>
Final Shut-In <u> </u>	<input type="checkbox"/> Day Standby <u> </u>	MP/DST Disc't <u> </u>
	<input type="checkbox"/> Accessibility <u> </u>	
	Sub Total <u>1745.50</u>	

Approved By Our Representative Brannan Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58389**

4/10

Well Name & No. EHT #2-17 Test No. 2 Date 8/5/14
 Company American Warrior, Inc. Elevation 2194 KB 2188 GL
 Address 3118 Cummings Rd. PO Box 399 Carden City, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Petromark #1
 Location: Sec. 11 Twp. 18S Rge. 21W Co. Ness State KS

Interval Tested 4289-4296 Zone Tested Moss
 Anchor Length 7' Drill Pipe Run 4161 Mud Wt. 9.2
 Top Packer Depth 4284 Drill Collars Run 117 Vis 41
 Bottom Packer Depth 4289 Wt. Pipe Run WL 16.8
 Total Depth 4296 Chlorides 12,000 ppm System LCM
 Blow Description IF - Built very slowly to 3/4"
ISI - No blow
FF - Sporadic surface blow - Pulled tool
FSI -

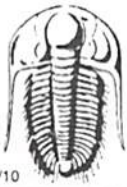
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SOWM</u>		<u>10</u>	<u>20</u>	<u>70</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 115° Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2179 Test 1250 T-On Location 1705
 (B) First Initial Flow 35 Jars 250 T-Started 1737
 (C) First Final Flow 32 Safety Joint 75 T-Open 2158
 (D) Initial Shut-In 1158 Circ Sub T-Pulled 2308
 (E) Second Initial Flow 34 Hourly Standby T-Out 0107 8/6
 (F) Second Final Flow 38 Mileage 110 RT 170.50 Comments
 (G) Final Shut-In Sampler
 (H) Final Hydrostatic 2072 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Initial Open 30 Day Standby Total 1745.50
 Initial Shut-In 30 Accessibility MP/DST Disc't
 Final Flow 10 ↑ Pulled tool Sub Total 1745.50

Approved By Our Representative Brannen Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **58390**

4/10

Well Name & No. EHT # 2-17 Test No. 3 Date 8/6/14
 Company American Warrior, Inc. Elevation 2194 KB 2188 GL
 Address 3118 Cummings, Rd. PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Petro mark #1
 Location: Sec. 17 Twp. 18S Rge. 21W Co. Ness State KS

Interval Tested 4295-4302 Zone Tested Miss
 Anchor Length 7' Drill Pipe Run 4161 Mud Wt. 9.2
 Top Packer Depth 4290 Drill Collars Run 117 Vis 41
 Bottom Packer Depth 4295 Wt. Pipe Run --- WL 16.8
 Total Depth 4302 Chlorides 12,000 ppm System LCM ---

Blow Description IF - Slowly built to 2 1/4"
ISI - No blow
FF - Slowly built to 1 1/2"
FSD - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>MW</u>			<u>85</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120' BHT 119° Gravity --- API RW .15 @ 101 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic <u>2216</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0830</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0834</u>
(C) First Final Flow <u>48</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1114</u>
(D) Initial Shut-In <u>1247</u>	<input type="checkbox"/> Circ Sub <u>---</u>	T-Pulled <u>1214 1414</u>
(E) Second Initial Flow <u>49</u>	<input type="checkbox"/> Hourly Standby <u>---</u>	T-Out <u>1707</u>
(F) Second Final Flow <u>72</u>	<input checked="" type="checkbox"/> Mileage <u>110 RT</u> <u>170.50</u>	Comments <u>---</u>
(G) Final Shut-In <u>1239</u>	<input type="checkbox"/> Sampler <u>---</u>	
(H) Final Hydrostatic <u>2058</u>	<input type="checkbox"/> Straddle <u>---</u>	<input type="checkbox"/> Ruined Shale Packer <u>---</u>

Initial Open 45 Extra Packer --- Extra Copies ---
 Initial Shut-In 45 Extra Recorder --- Sub Total ---
 Final Flow 45 Day Standby --- Total ---
 Final Shut-In 45 Accessibility --- MP/DST Disc't ---
 Sub Total 1745.50

Approved By _____ Our Representative Brannan Lonsdale

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ALLIED OIL & GAS SERVICES, LLC 063312

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley

DATE <u>7-29-14</u>	SEC. <u>17</u>	TWP. <u>13s</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION <u>11:00pm</u>	JOB START <u>12:00am</u>	JOB FINISH <u>12:30am</u>
LEASE <u>EHT</u>		WELL # <u>2-17</u>		LOCATION <u>Barzine 2E 2 3/4 N W10</u>		COUNTY <u>NESS</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Petromark #1
 TYPE OF JOB Surface
 HOLE SIZE 13/4 T.D. 213'
 CASING SIZE 8 5/8 DEPTH 212.10'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 12.55 cu ft

OWNER Same
 CEMENT
 AMOUNT ORDERED 200 sks com 39cc
28 gal

EQUIPMENT

PUMP TRUCK CEMENTER Andrew
 # Brandon HELPER Brandon
 BULK TRUCK
 # 871 DRIVER zeb
 BULK TRUCK
 # DRIVER

COMMON <u>200 sks</u>	@	<u>12.90</u>	<u>3580.00</u>
POZMIX	@		
GEL	@	<u>.50</u>	<u>188.00</u>
CHLORIDE	@	<u>1.10</u>	<u>620.10</u>
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING <u>2k. 2cc/ft</u>	@	<u>2.48</u>	<u>536.32</u>
MILEAGE <u>2.25 to/wk</u>	@	<u>9.8700</u>	<u>597.13</u>
TOTAL			

REMARKS:

Cement did circulate

thank you

CHARGE TO: American warrior inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>212.10'</u>			
PUMP TRUCK CHARGE		<u>1512.25</u>	
EXTRA FOOTAGE	@		
MILEAGE <u>22 miles</u>	@	<u>7.20</u>	<u>169.40</u>
MANIFOLD <u>head</u>	@	<u>225.00</u>	<u>225.00</u>
<u>light vehicle</u>	@	<u>4.40</u>	<u>96.80</u>
	@		
TOTAL			

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT 25% IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE [Signature]

ALLIED OIL & GAS SERVICES, LLC 063507

Federal Tax I.D. # 20-8691475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Crane Bend

DATE <u>8-6-14</u>	SEC. <u>17</u>	TWR. <u>18</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION <u>2 AM</u>	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>EHT</u>	WELL # <u>2-17</u>	LOCATION <u>Crane - Feed - 3N-5100</u>			COUNTY <u>McSS</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Petromark</u>	OWNER
TYPE OF JOB <u>log run pay</u>	
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>1490</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>All</u>	
PERFS.	
DISPLACEMENT <u>Fresh water</u>	
EQUIPMENT	<u>total 2300x 60/40+4 @ 18.72 = 4351.68</u>

PUMP TRUCK # <u>366</u>	CEMENTER <u>Chris Nicks</u>	HELPER <u>Ben Maxwell</u>
BULK TRUCK # <u>610-170</u>	DRIVER <u>Rob Schaeffer</u>	
BULK TRUCK #	DRIVER	

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
HANDLING <u>243.18</u>	@ <u>2.48</u>	<u>603.88</u>
MILEAGE <u>10.28 x 18</u>	@ <u>3.75</u>	<u>388.85</u>

REMARKS:

on location - log run - used safety cementing
run 4 1/2 inch pipe - fill hole with pipe mud
#1 - 1490 ft - 506x
#2 - 770 - 90 BH-30
#3 - 240 - 50
#4 - 50 - 20
plug down
log down

185.04

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>2213.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>Hum 18</u>	@ <u>7.70</u> <u>138.60</u>
MANIFOLD	@
<u>Hum 18</u>	@ <u>4.40</u> <u>79.20</u>

CHARGE TO: American Blaster
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 3,543.42
Disc 25% 885.85

PLUG & FLOAT EQUIPMENT

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Chris Nicks

SIGNATURE [Signature]

Thank you!!

SALES TAX (If Any) <u>485.54</u>	
TOTAL CHARGES <u>7,895.92</u>	<u>10</u>
DISCOUNT <u>25%</u> <u>1,973.11</u>	<u>(25/25/0)</u>
	IF PAID IN 30 DAYS

5921.32
33

0% TOTAL 0



CEMENTING LOG

STAGE NO.

Date 8-6-14 District 6B Ticket No. 63507
 Company American water Rig Plumack
 Lease EHT Well No. 2-11
 County Wes State K
 Location Basine - FFD - 3A Field 1718 21

CEMENT DATA:

Spacer Type: Fresh water
 Amt. 561 Sk Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time Thicker Time hrs. Type 60/40 4/2nd
 Excess _____

Amt. 730 Sk Yield 1.41 ft³/sk Density 14.6 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sk Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used 366 - Basine

Bulk Equip. 610-170 - 2eb schwall

Drill Pipe: Size 4 1/2 Weight 16.8 Collars 4/2
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE _____

CEMENTER Josh Isaac

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location - Rig up
						had safety meeting
						Run 4 1/2 drill pipe
						fill hole with log mud
11:45pm	0			5		#1 - 1490 Ft - 50SX
12:30am	0			5		#2 - 720 - 80
1Am	0			5		#3 - 240 - 50
1:55	0			5		#4 - 60 - 20
2:05	0			3		RH - 30
2:15am						plug down
						Rig down

Geological Report

American Warrior, Inc.

EHT #2-17

975' FNL & 975' FEL

Sec. 17 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
EHT #2-17
975' FNL & 975' FEL
Sec. 17 T18s R21w
Ness County, Kansas
API # 15-135-25792-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: July 29, 2014

Completion Date: August 6, 2014

Elevation: 2188' Ground Level
2194' Kelly Bushing

Directions: Bazine KS, East 1 ½ mi. to FF Rd. North 2 ½ mi.
West into location.

Casing: 213' 8 5/8" surface casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Trilobite Testing, Inc. "Brannon Lonsdale"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. EHT #2-17 Sec. 17 T18s R21w 975' FNL & 975' FEL
Formation	
Anhydrite	1453', +741
Base	1484', +710
Heebner	3652', -1458
Lansing	3701', -1507
BKc	4024', -1830
Pawnee	4098', -1904
Fort Scott	4177', -1983
Cherokee	4196', -2002
Mississippian	4281', -2087
RTD	4302', -2108

Sample Zone Descriptions

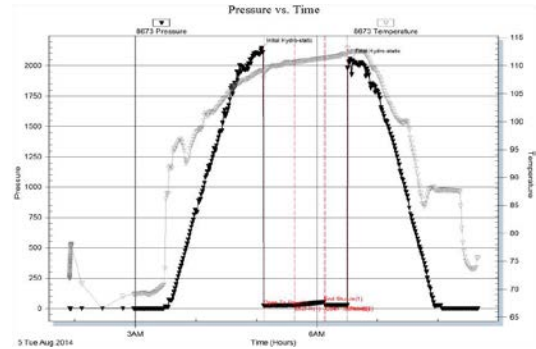
- Cherokee Sand (4200', -2006):** **Covered in DST #1**
 Ss – Fine to very fine grained with poor scattered inter-granular porosity, slight spotted oil stain, no show of free oil, no odor, very dull cut fluorescents.
- Mississippian Osage (4281', -2087):** **Covered in DST #2&3**
 Dolo – Δ – Fine crystalline with scattered fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert, mostly fresh with fair to good vuggy porosity, light very scattered oil stain, no show of free oil, mostly barren, 5 units hotwire.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Brannon Lonsdale"

DST #1 Cherokee Sand

Interval (4196' – 4240') Anchor Length 44'
 IHP – 2141 #
 IFP – 30" – Built to ¾ in. 21-25 #
 ISI – 30" – Dead 52 #
 FFP – 10" – Dead 24-26 #
 FHP – 2054 #
 BHT – 112°F

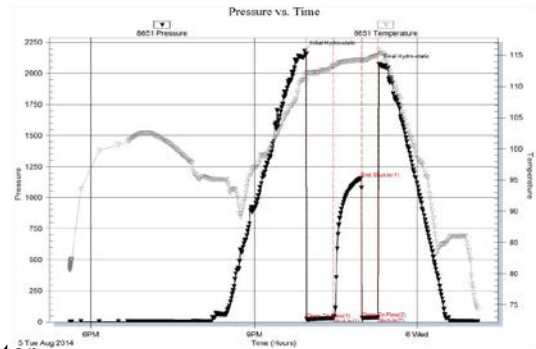
Recovery: 5' Mud



DST #2 Mississippian Osage

Interval (4289' – 4296') Anchor Length 7'
 IHP – 2179 #
 IFP – 30" – Built to ¾ in. 24-32 #
 ISI – 30" – Dead 1158 #
 FFP – 10" – V.W.S.B. 34-38 #
 FHP – 2072 #
 BHT – 115°F

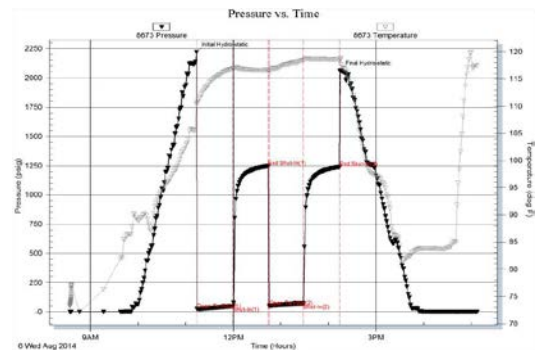
Recovery: 30' SOWCM 10% Oil, 20% Water



DST #3 Mississippian Osage

Interval (4295' – 4302') Anchor Length 7'
 IHP – 2216 #
 IFP – 45" – Built to 2 ¼ in. 23-48 #
 ISI – 45" – Dead 1247 #
 FFP – 45" – Built to 1 ½ in. 49-72 #
 FSI – 45" – Dead 1239 #
 FHP – 2058 #
 BHT – 118°F

Recovery: 120' MW 28k Chlorides



Structural Comparison

Formation	American Warrior, Inc. EHT #2-17 Sec. 17 T18s R21w 975' FNL & 975' FEL	American Warrior, Inc. EHT-Supes Unit #1 Sec. 17 T18s R21w 2640' FSL & 650' FEL		American Warrior, Inc. EHT #1-17 Sec. 17 T18s R21w 2560' FNL & 2210' FWL	
	Anhydrite	1453', +741	1436', +744	(-3)	1459', +744
Base	1484', +710	1469', +711	(-1)	1494', +709	(+1)
Heebner	3652', -1458	3649', -1469	(+9)	3666', -1463	(+5)
Lansing	3701', -1507	3695', -1515	(+8)	3710', -1507	FL
BKc	4024', -1830	4014', -1834	(+4)	4035', -1832	(+2)
Pawnee	4098', -1904	4186', -1906	(+2)	4108', -1905	(+1)
Fort Scott	4177', -1983	4164', -1984	(+1)	4187', -1984	(+1)
Cherokee	4196', -2002	4186', -2006	(+4)	4206', -2003	(+1)
Mississippian	4281', -2087	4269', -2089	(+2)	4287', -2084	(-3)

Summary

The location for the EHT #2-17 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three Drill Stem Tests were conducted all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the EHT #2-17 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		Elevation KB 2194'
Lease EHT	No. 2-17	DF 2188'
API # 15-135-25792-0000		Casing Record Surface 8 5/8" @ 213'
Field Wildcat		Production None
Location 975' FNL & 975' FEL		Electrical Surveys None
Sec. 17	Twp. 18s	Rge. 21w
County Ness	State Kansas	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite Base		1453' +741	-3
		1484' +710	-1
Heebner		3652' -1458	+9
Lansing		3701' -1507	+8
BKc		4024' -1830	+4
Pawnee		4098' -1904	+2
Fort Scott		4177' -1983	+1
Cherokee		4196' -2002	+4
Mississippian		4281' -2087	+2
Total Depth		4302' -2108	

Reference Well For Structural Comparison American Warrior, Inc. EHT-Suppes Unit #1
2640' FSL & 650' FEL Sec. 17 T18s R21w Ness Co. Kansas

Drilling Contractor	Petromark Drilling, LLC. Rig #1	
Commenced	7-29-2014	Completed 8-6-2014
Samples Saved From	3900'	To RTD
Drilling Time Kept From	3600'	To RTD
Samples Examined From	3900'	To RTD
Geological Supervision From	3900'	To RTD

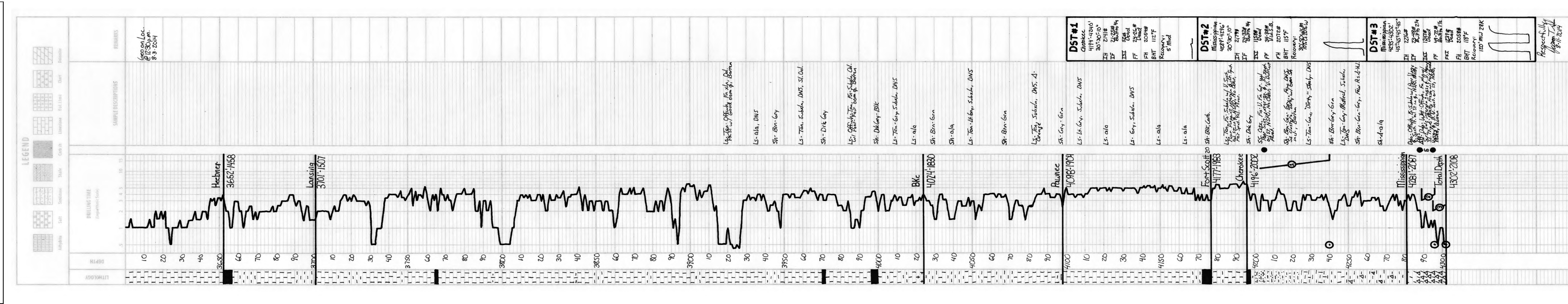
Displacement 3500' Mud Type Chemical

Summary and Recommendations

The location for the EHT #2-17 was found via 3-D seismic survey. The new well ran as expected via the survey. Three Drill Stem Tests were conducted, all were negative. After all gathered data had been examined the decision was made to plug and abandon the EHT #2-17 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DST #1	DST #2	DST #3
Cherokee 4194'-4240'	Mississippian 4281'-4302'	Mississippian 4281'-4302'
IH 2141# IF 24-25# 8 5/8" 7 7/8"	IH 2179# IF 24-25# 8 5/8" 7 7/8"	IH 2212# IF 24-25# 8 5/8" 7 7/8"
ISI Dead FF 24-25# Dead	ISI 155# FF 24-25# 8 5/8" 7 7/8"	ISI 187# FF 24-25# 8 5/8" 7 7/8"
FH 2054# BHT 112' F	FH 2072# BHT 115' F	FH 2058# BHT 118' F
Recovery: S Mud	Recovery: 30% 20' 20" w	Recovery: 100' MLJ 28K

Respectfully Submitted,
Jason T Alm
8-11-2014