



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1186198
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: _____

1186198

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 1-17
Doc ID	1186198

Tops

Name	Top	Datum
Anhydrite	1459	744
Heebner	3666	-1463
Lansing	3710	-1507
Base Kansas City	4030	-1827
Pawnee	4108	-1905
Fort Scott	4187	-1984
Cherokee	4206	-2003
Mississippian	4287	-2084
LTD	4311	-2108

Geological Report

American Warrior, Inc.

EHT #1-17

2560' FNL & 2210' FWL

Sec. 17 T18s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
EHT #1-17
2560' FNL & 2210' FWL
Sec. 17 T18s R21w
Ness County, Kansas
API # 15-135-25673-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: December 2, 2013

Completion Date: December 10, 2013

Elevation: 2197' Ground Level
2203' Kelly Bushing

Directions: Bazine KS, ½ mi. East on Hwy 96 to EE Rd. 3 mi.
North to 160 Rd. ½ mi. East South into location.

Casing: 223' 8 5/8" surface casing
4310' 5 1/2" production casing

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

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "Daylan Kerr"
CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Tate Lang"

Problems: None

Remarks: DST #1 was pulled early due to big blows.

Formation Tops

	American Warrior, Inc. EHT #1-17 Sec. 17 T18s R21w 2560' FNL & 2210' FWL
Formation	
Anhydrite	1459', +744
Base	1494', +709
Heebner	3666', -1463
Lansing	3710', -1507
BKc	4030', -1827
Pawnee	4108', -1905
Fort Scott	4187', -1984
Cherokee	4206', -2003
Mississippian	4287', -2084
LTD	4311', -2108
RTD	4313', -2110

Sample Zone Descriptions

Cher. "A" Sand (4208', -2005): Covered in DST #1
 Ss – Quartz, Clear, Fine grained, fairly sorted, well rounded, poor to fair cementation with poor inter-granular porosity, light to fair oil stain and saturation in cluster, slight show of free oil, fair to good yellow fluorescents, no odor, very friable, 22 units hotwire.

Mississippian Osage (4287', -2084): Covered in DST #2
 Δ – Dolo – White to light gray, mostly fresh, angular, with scattered pinpoint vuggy porosity, scattered dolomite within vug cavities, light to fair oil stain in porosity, no show of free oil, fair odor, good spotted yellow fluorescents.

Drill Stem Tests
Trilobite Testing, Inc.
"Tate Lang"

DST #1

Cherokee "A" Sand

Interval (4207' – 4240') Anchor Length 33'

IHP	– 2110 #	
IFP	– 5" – B.O.B. 1 min.	128-165 #
ISI	– 10" – Built to 7 in.	1186 #
FFP	– 5" – B.O.B. 1 min.	219-254 #
FHP	– 2060 #	
BHT	– 121°F	

Recovery: 670' GIP
 10' VGO 50% Oil
 496' GCO 75% Oil
 62' GOCM 40% Oil
 117' GOCM 20% Oil

DST #2

Mississippian Osage

Interval (4294' – 4308') Anchor Length 14'

IHP	– 2123 #	
IFP	– 30" – Built to 2 in.	16-22 #
ISI	– 30" – Dead	877 #
FFP	– 30" – Built to ¼ in.	20-25 #
FSI	– 30" – Dead	789 #
FHP	– 2125 #	
BHT	– 107°F	

Recovery: 5' Oil Spotted Mud

Structural Comparison

	American Warrior, Inc. EHT #1-17 Sec. 17 T18s R21w 2560' FNL & 2210' FWL	Pickrell Drilling Co. Gaede C #1 Sec. 17 T18s R21w C SE SE		American Warrior, Inc. Melvin #1-16 Sec. 16 T18s R21w 1910' FSL & 940' FWL	
Formation					
Anhydrite	1459', +744	1416', +745	(-1)	1432', +749	(-5)
Base	1494', +709	NA	NA	1463', +718	(-9)
Heebner	3666', -1463	3625', -1464	(+1)	3648', -1467	(+4)
Lansing	3710', -1507	3670', -1509	(+2)	3692', -1511	(+4)
BKc	4030', -1827	NA	NA	4017', -1836	(+9)
Pawnee	4108', -1905	NA	NA	4084', -1903	(+2)
Fort Scott	4187', -1984	4150', -1989	(+5)	4162', -1981	(-3)
Cherokee	4206', -2003	4169', -2008	(+5)	4181', -2000	(-3)
Mississippian	4287', -2084	4250', -2089	(+5)	4264', -2083	(-1)

Summary

The location for the EHT #1-17 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Cherokee "A" Sand. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the EHT #1-17 well.

Recommended Perforations

Primary:

Cherokee "A" Sand **(4208' – 4213')** **DST #1**

Before Abandonment:

Mississippian Osage **(4287' – 4310')** **DST #2**
Fort Scott **(4194' – 4196')** **Not Tested**

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Services, Inc.

CHANGE TO:

AMERICAN WARRIDR

TICKET 25906

ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 2

1. **WELL LOCATIONS:** NESS City, KS. **WELL/PROJECT NO.:** EHT 1-17 **LEASE:** NESS

2. **TICKET TYPE:** SERVICE SALES **CONTRACTOR:** Petromark Drilling. **RIG NAME/NO.:** NESS

3. **WELL TYPE:** DIL **WELL CATEGORY:** DEVELOPMENT **JOB PURPOSE:** S'akou STRIKES

4. **REFERRAL LOCATION:** **INVOICE INSTRUCTIONS:**

STATE: KS **CITY:** BIRMI, KS **DATE:** 10 DEC 13 **OWNER:**

SHIPPED VIA: **DELIVERED TO:** **WELL PERMIT NO.:** **WELL LOCATION:** 1E.3N 12E.5T 500

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.		UNIT		AMOUNT
						QTY.	UM	QTY.	UM	
578					MILEAGE	115				120
402					PUMP ASSEMBLY	1				1500
403					CEMENT CENTRALIZERS	2				350
404					CEMENT BASKETS.	2				1000
406					PORT COLLAR	1				275
407					LATCH DOWN PLUG & BALL	1				275
281					INSERT FLOAT SNOE W/FILL	1				375
281					MUD FLUSH	500	gal			125
281					RIBBON RCL	2	gal			25

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

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

TOTAL 4770.50

DATE SIGNED: 10 DEC 13 **TIME SIGNED:** 1:50 **AM/PM:** P.M.

SWIFT OPERATOR: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature]

APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10 DEC 13 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE EHT 1-17 JOB TYPE 52 LONGSTRING. TICKET NO. 25906

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
	1410							START PIPE. 5 1/2' 15.5" RTD @ 4313 LT D @ 4311 SHOE JT. 43.88' CENTRALIZERS 1, 2, 3, 4, 6, 8 BASKETS 5, 6, 9 PORT COLLAR # 69 @ 1439
	1530							DROP BALL CIRCULATE.
	1640	6	12		✓			Pump 500 gal MUD FLUSH
		6	20		✓			Pump 20 Bbl KCL FLUSH
	1647		7					PLUG RH - 30sx
	1650	4	35		✓			MIX 145sx FA2
	1702							WASH OUT PUMP & LINES.
	1706	6			✓			START DISPLACING PLUG
	1726	∅	101.5		✓	1500		PLUG DOWN LATCH PLUG-IN
	1728							RELEASE PSI - DRY
	1730							WASH TRUCK
	1800							JOB COMPLETE
								THANKS # 115
								MASON DAVID JUAN



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

TICKET CONTINUATION

TICKET No. 25906

CUSTOMER AMERICAN WARRIOR
WELL EHT-1-17
DATE 10 DEC 13
PAGE 2 OF 2

276	EUCELLE	50/lbs	2 1/2	125.00
283	SALT	900/lbs	1 1/2	180.00
284	DAISEAL	8/sx	35.00	280.00
292	HACAD-322	125/lbs	8 1/2	1080.00
296	D-AIR	12/sx	4 1/2	63.00

325	STANDARD CEMENT EA-2	175/sx	14 1/2	2537.50
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581			2 1/2	350.00
282			250.00	250.00

SERVICE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET	TON MILES
	18325	20	175	18325
				4785.50



Services, Inc.

TICKET 25908

CHARGE TO: AMERICAN WARRIOR
 ADDRESS:
 CITY, STATE, ZIP CODE:

PAGE 1 OF

SERVICE LOCATIONS: 1. NESS CITY, KS
 WELL PROJECT NO.:
 LEASE: EHT 1-17
 COUNTY: NESS
 STATE: KS
 CITY: BRAZINE, KS
 DATE: 12 DEC 13
 OWNER:
 CONTRACTOR: HD OILFIELD SERU.
 RIG NAME/NO.:
 SHIPPED: VA
 DELIVERED TO:
 ORDER NO.:
 WELL TYPE: OIL
 WELL CATEGORY: DEVELOPMENT
 JOB PURPOSE: CEMENT PORT COLLAR
 WELL PERMIT NO.:
 WELL LOCATION: 1E, 3N 4E S150

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.				UNIT PRICE	AMOUNT
		LOC	ACCT		UM	QTY.	UM	QTY.		
575				MILEAGE B 115	20	mi	1.58		316	
576D				PUMP CHARGE.	1	hr	1500		1500	
105				PORT COLLAR DRIVING TOOL	1	hr	350		350	
276				PROCEDURE	35	lbs	25		875	
290				D-AIR	1	hr	420		420	
330				SMD CEMENT	14	lb	18.50		2590	
581				CEMENT SERVICE CHARGE	17	hr	210		3570	
582				Minimum Drayage	17	hr	250		250	

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
 X 500H
 DATE SIGNED: 12 DEC 13 TIME SIGNED: 1445 AM
 AM
 PM

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

AGREE UN- DIS-
 DECIDED AGREE

PAGE TOTAL: 5310 \$50
 TAX: 6.15%
 TOTAL: 5500 57

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
 SWIFT OPERATOR: [Signature]
 APPROVAL: [Signature]
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2 DEC 13 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE EHT 1-17

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 25908

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
								PORT COLLAR @ 1439
	1325				✓		1000	TEST HELD
	1327							OPEN PORT COLLAR
	1333	4	77½	✓		300	3	MIX 140 SX SMD
		3	40	✓		200		DISPLACE CEMENT
								CIRCULATE 20 SX TO PIT
	1354				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	1404	4	18		✓		300	REVERSE CLEAN
	1415							WASH TRUCK
	1445							JOB COMPLETE.
								TRUCKS #115
								JASON DAVE CRAIG



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

EHT #1-17

7-18s-21w Ness,KS

Start Date: 2013.12.09 @ 01:20:49

End Date: 2013.12.09 @ 07:45:19

Job Ticket #: 55847 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.11 @ 15:27:14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

7-18s-21w Ness, KS

EHT #1-17

Job Ticket: 55847

DST#: 1

Test Start: 2013.12.09 @ 01:20:49

GENERAL INFORMATION:

Formation: **Cher. "A" Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:11:59
 Time Test Ended: 07:45:19
 Interval: **4207.00 ft (KB) To 4240.00 ft (KB) (TVD)**
 Total Depth: 4240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 49
 Reference Elevations: 2203.00 ft (KB)
 2197.00 ft (CF)
 KB to GR/CF: 6.00 ft

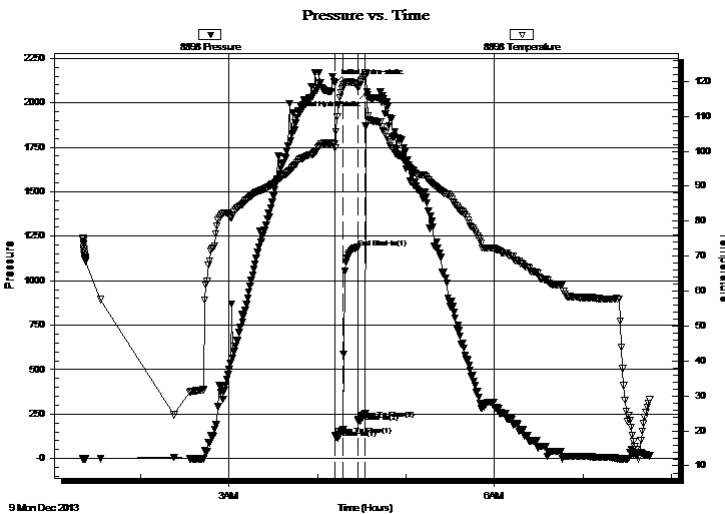
Serial #: 8898

Outside

Press@RunDepth: 164.79 psig @ 4208.00 ft (KB)
 Start Date: 2013.12.09 End Date: 2013.12.09
 Start Time: 01:20:50 End Time: 07:45:19
 Capacity: 8000.00 psig
 Last Calib.: 2013.12.09
 Time On Btm: 2013.12.09 @ 04:11:49
 Time Off Btm: 2013.12.09 @ 04:33:29

TEST COMMENT: B.O.B. In 1 min
 Strong surface blow back built to 7"
 B.O.B. In 1 min
 pulled it

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.33	102.21	Initial Hydro-static
1	128.66	100.94	Open To Flow (1)
6	164.79	118.57	Shut-In(1)
16	1185.70	119.02	End Shut-In(1)
16	219.30	118.46	Open To Flow (2)
21	254.26	121.37	Shut-In(2)
22	2060.46	115.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	5%G 20%O 75%M	0.58
62.00	10%G 40%O 50%M	0.87
496.00	25%G 75%O	6.96
10.00	50%G 50%O	0.14
0.00	670 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

7-18s-21w Ness,KS
EHT #1-17
Job Ticket: 55847 **DST#: 1**
Test Start: 2013.12.09 @ 01:20:49

Tool Information

Drill Pipe:	Length: 4069.00 ft	Diameter: 3.80 inches	Volume: 57.08 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 57.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4207.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	33.00 ft				
Tool Length:	60.00 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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Shut In Tool	5.00			4185.00	
Hydraulic tool	5.00			4190.00	
Jars	5.00			4195.00	
Safety Joint	2.00			4197.00	
Packer	5.00			4202.00	27.00 Bottom Of Top Packer
Packer	5.00			4207.00	
Stubb	1.00			4208.00	
Recorder	0.00	8897	Inside	4208.00	
Recorder	0.00	8898	Outside	4208.00	
Perforations	29.00			4237.00	
Bullnose	3.00			4240.00	33.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

7-18s-21w Ness,KS

PO Box 399
Garden City KS 67846

EHT #1-17

Job Ticket: 55847

DST#: 1

ATTN: Jason Alm

Test Start: 2013.12.09 @ 01:20:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
117.00	5%G 20%O 75%M	0.575
62.00	10%G 40%O 50%M	0.870
496.00	25%G 75%O	6.958
10.00	50%G 50%O	0.140
0.00	670 GIP	0.000

Total Length: 685.00 ft

Total Volume: 8.543 bbl

Num Fluid Samples: 0

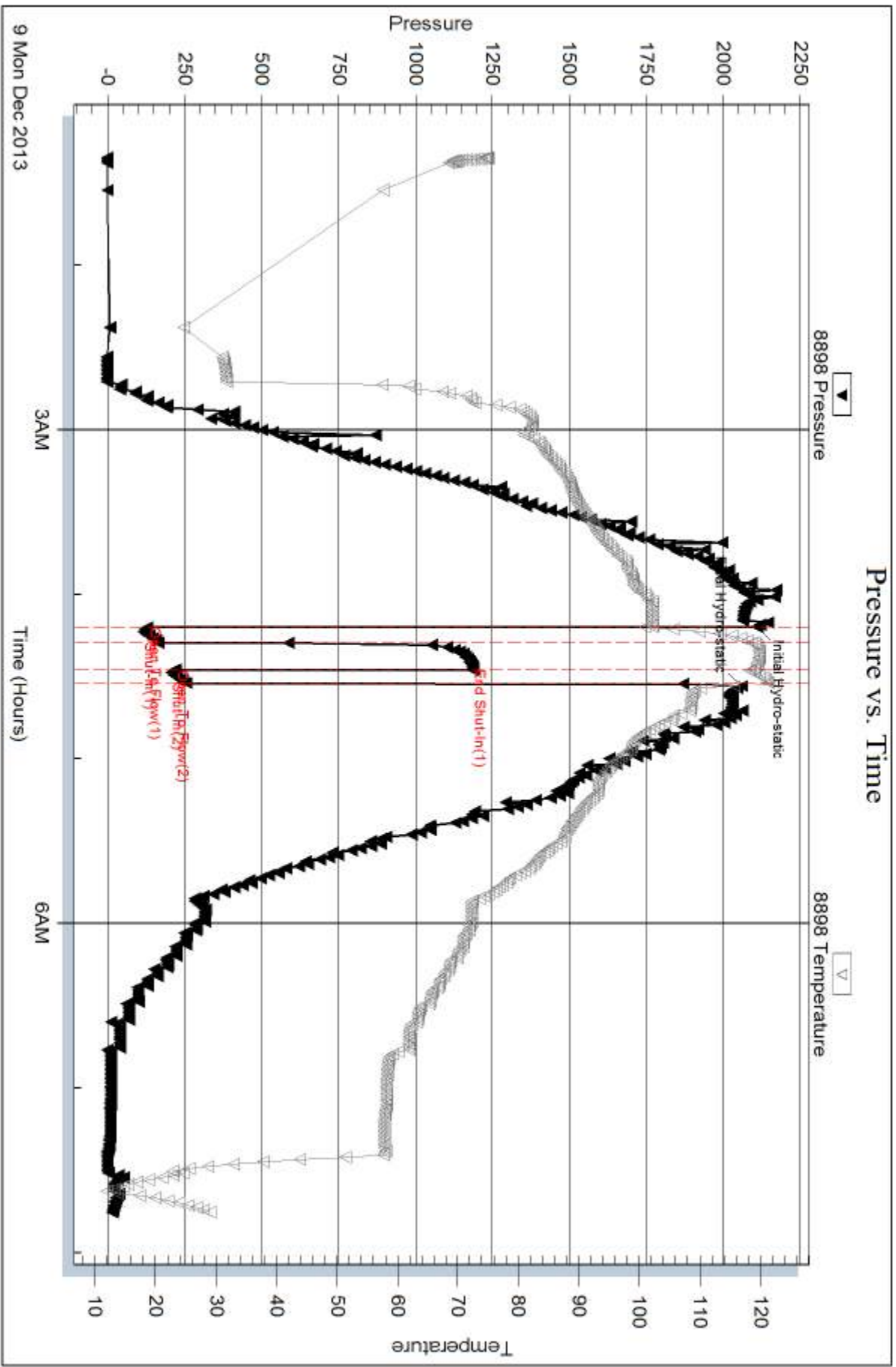
Num Gas Bombs: 0

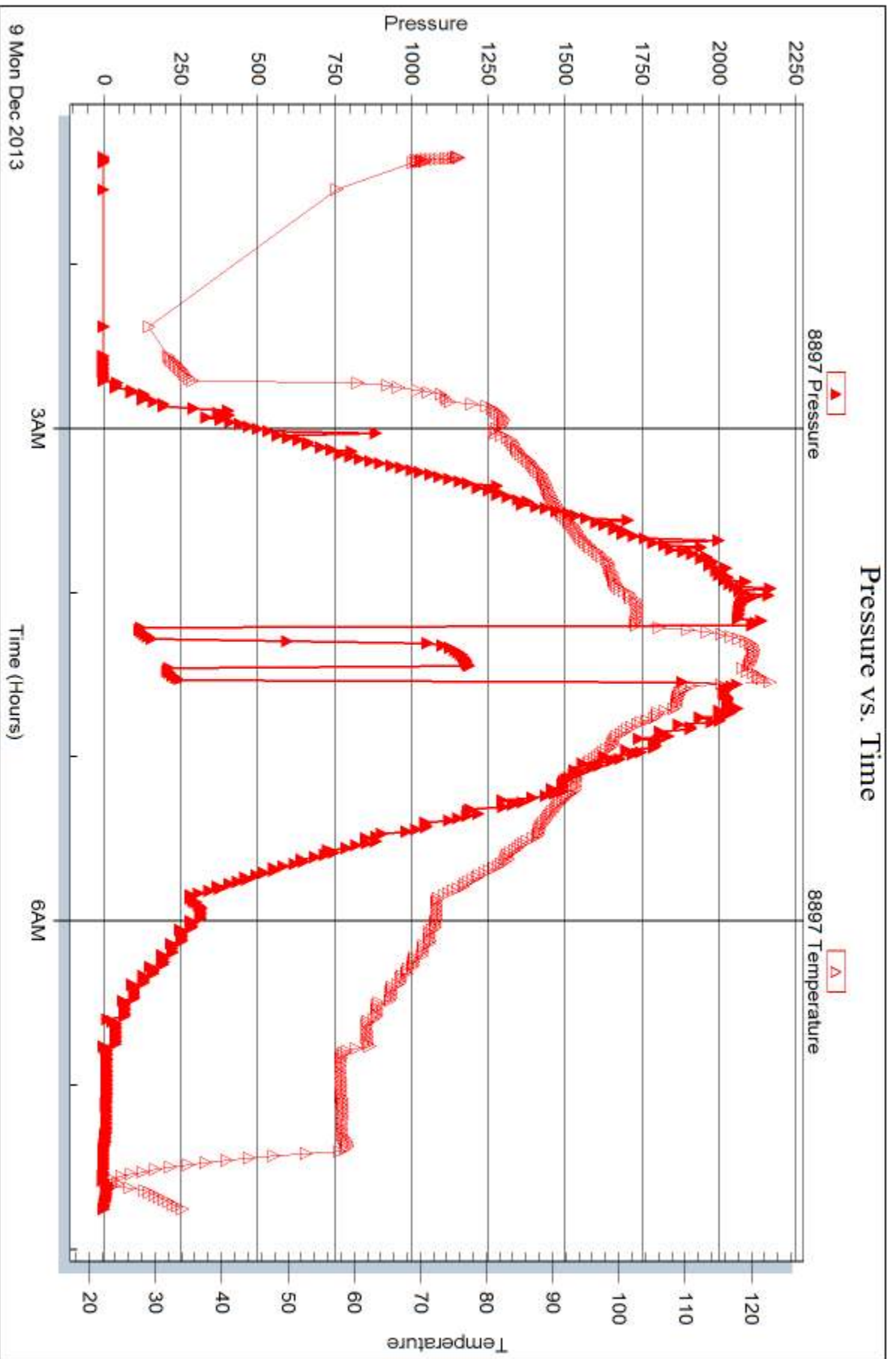
Serial #:

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 #1-17

7-18s-21w Ness,KS

Start Date: 2013.12.09 @ 18:40:49

End Date: 2013.12.10 @ 02:10:28

Job Ticket #: 55848 DST #: 2

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

Printed: 2013.12.11 @ 15:26:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

7-18s-21w Ness, KS
EHT #1-17
Job Ticket: 55848 **DST#: 2**
Test Start: 2013.12.09 @ 18:40:49

Tool Information

Drill Pipe:	Length: 4160.00 ft	Diameter: 3.80 inches	Volume: 58.35 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 58.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4294.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	41.00 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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Shut In Tool	5.00			4272.00	
Hydraulic tool	5.00			4277.00	
Jars	5.00			4282.00	
Safety Joint	2.00			4284.00	
Packer	5.00			4289.00	27.00 Bottom Of Top Packer
Packer	5.00			4294.00	
Stubb	1.00			4295.00	
Recorder	0.00	8897	Inside	4295.00	
Recorder	0.00	8898	Outside	4295.00	
Perforations	10.00			4305.00	
Bullnose	3.00			4308.00	14.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

7-18s-21w Ness,KS
EHT #1-17
Job Ticket: 55848 **DST#: 2**
Test Start: 2013.12.09 @ 18:40:49

Mud and Cushion Information

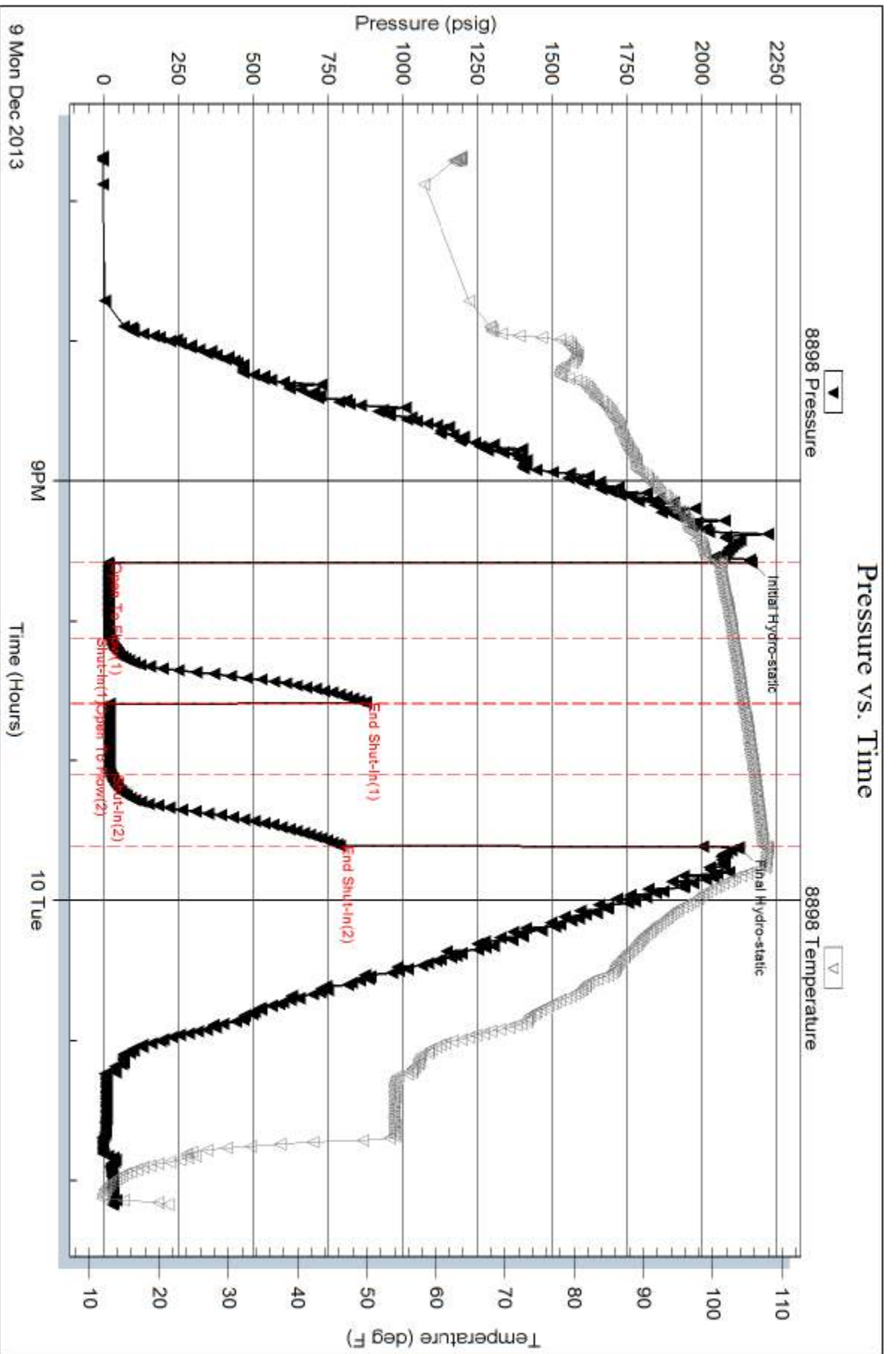
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M With oil spots	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:



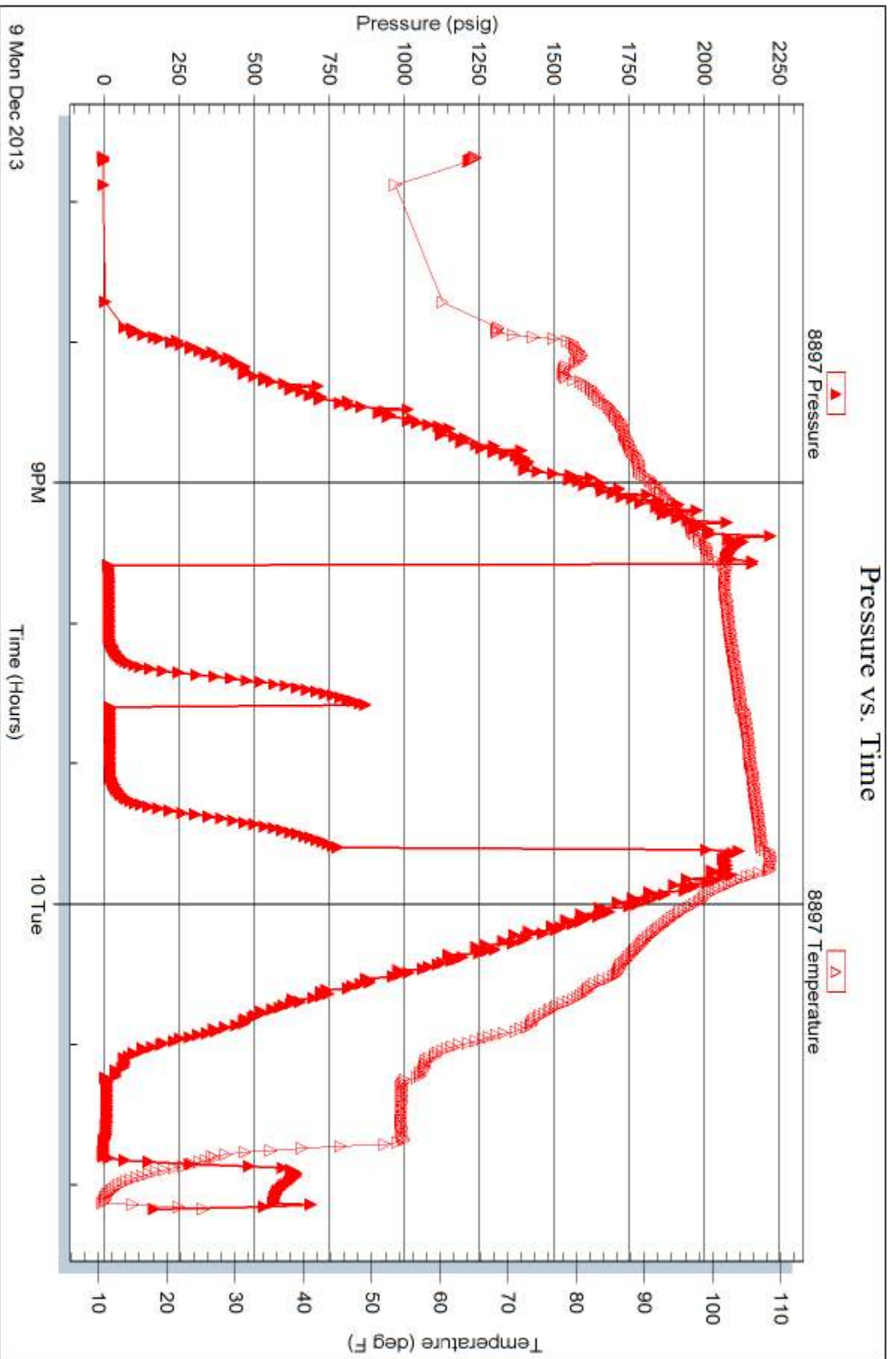
Serial #: 8897

Inside

American Warrior Inc

EHT #1-17

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 55848

Printed: 2013.12.11 @ 15:26:27

Test Ticket

NO. 55847

Day • Hays, Kansas 67601

Test No. 1 Date 12-8-13/12-9
 Elevation 2203 KB 21917 GL
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 17 Twp. 18 S Rge. 21 W Co. Wess State KS

Interval Tested 4207 4240 Zone Tested Char. "A" Sand
 Anchor Length 33 Drill Pipe Run 4069 Mud Wt. 9.4
 Top Packer Depth 4203 Drill Collars Run 117 Vis 59
 Bottom Packer Depth 4207 Wt. Pipe Run 0 WL 7.2
 Total Depth 4240 Chlorides 42000 ppm System LCM 0

Blow Description B.O.B. IN 1 min
Strong surface blow to 7 in
B.O.B. IN 1 min
Pull it

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>60</u>	<u>50</u>	<u>50</u>		
<u>496</u>	<u>60</u>	<u>25</u>	<u>75</u>		
<u>62</u>	<u>60 CM</u>	<u>16</u>	<u>40</u>		<u>50</u>
<u>117</u>	<u>60 CM</u>	<u>5</u>	<u>25</u>		<u>75</u>
<u>0</u>	<u>670 GIP</u>	<u>100</u>			

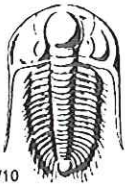
Rec Total 685 BHT 115 Gravity 36 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 210 Test 1250 T-On Location 23140
 (B) First Initial Flow 129 Jars 250 T-Started 01120
 (C) First Final Flow 165 Safety Joint 75 T-Open 0412
 (D) Initial Shut-In 1186 Circ Sub _____ T-Pulled 0432
 (E) Second Initial Flow 219 Hourly Standby _____ T-Out 07145
 (F) Second Final Flow 254 Mileage 110 R/T 170.50 Comments _____
 (G) Final Shut-In N/A Sampler _____
 (H) Final Hydrostatic 2060 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 5
 Initial Shut-In 10
 Final Flow 5
 Final Shut-In pull it
 Sub Total 0
 Total 1745.50
 MP/DST Disc't _____
 Sub Total 1745.50

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55848

4/10

Well Name & No. FHT # 1-17 Test No. 2 Date 12-9-13
 Company American Warrior Inc Elevation 2203 KB 2197 GL
 Address 3118 Cummings Rd Garden City 67846
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 17 Twp. 18S Rge. 2W Co. Ness State KS

Interval Tested 4294 4308 Zone Tested Miss.
 Anchor Length 14 Drill Pipe Run 4160 Mud Wt. 9.2
 Top Packer Depth 4290 Drill Collars Run 117 Vis 51
 Bottom Packer Depth 4294 Wt. Pipe Run 0 WL 8.8
 Total Depth 4308 Chlorides 6700 ppm System LCM 0

Blow Description Weak surface blow built to 2in
Deal w/ blow back
Weak surface blow built to 1/4in
Deal w/ blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>Mud w/oil spots</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2168</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>17:35</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>18:40</u>
(C) First Final Flow <u>22</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>21:35</u>
(D) Initial Shut-In <u>87</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:38</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>02:10</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>170.50</u> <u>110 R/H</u>	Comments <u>989d</u>
(G) Final Shut-In <u>789</u>	<input type="checkbox"/> Sampler _____	<u>AP to test</u>
(H) Final Hydrostatic <u>2125</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1745.50

Total 1745.50
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
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