



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1204167
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: _____

1204167

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Ben Hinnergardt 3
Doc ID	1204167

Tops

Name	Top	Datum
Anhydrite	1436	800
Heebner	3748	-1512
Lansing	3796	-1560
Base Kansas City	4133	-1897
Pawnee	4260	-2024
Ft. Scott	4285	-2049
Cherokee	4304	-2068
Mississippian	4385	-2149
TD	4402	-2166

ALLIED OIL & GAS SERVICES, LLC 062615

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend

DATE <u>1-29-14</u>	SEC <u>12</u>	TWP. <u>20</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION <u>9:00am</u>	JOB START <u>9:00am</u>	JOB FINISH <u>3:00pm</u>
LEASE <u>Ben Henningswell</u>	WELL # <u>3</u>	LOCATION <u>Paul center road to HH Rd</u>		COUNTY <u>Hess</u>	STATE <u>Ks</u>		
OLD OR NEW (Circle one)		<u>5 to 50RD 2E 45 N center</u>					

CONTRACTOR patormack #1

TYPE OF JOB surface

HOLE SIZE 12 1/4 T.D. 225

CASING SIZE 8 3/4 24ft DEPTH 222

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT H2O 13.18 BBI 4

EQUIPMENT

OWNER same

CEMENT AMOUNT ORDERED 150 lbs class A 31cc 27.5 gal

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

PUMP TRUCK # 398 CEMENTER Charles Kingor
HELPER Mike Sertover

BULK TRUCK # 610-170 DRIVER Dan Casper

BULK TRUCK # DRIVER

REMARKS:

Rig Ran 222' @ Great Bend
circulation w/ 1R 1/2" mud foot to
surface 5 BBI H2O ahead mix
150 lbs class A 31cc 27.5 gal
displace 13.18 BBI H2O shut in
cement and circulate

CHARGE TO: American Warrior

STREET

CITY STATE ZIP

Thank you!

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 X

SIGNATURE X

SERVICE

DEPTH OF JOB 222'

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 062619

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: grant Bend

DATE <u>2-8-14</u>	SEC. <u>12</u>	TWP. <u>20</u>	RANGE <u>21</u>	CALLED OUT <u>11 am</u>	ON LOCATION <u>1:00 pm</u>	JOB START <u>3:30 pm</u>	JOB FINISH <u>4:30 pm</u>
LEASE <u>Ben Himmog</u>		WELL # <u>3</u>	LOCATION <u>Alexander west 2 NHR</u>		COUNTY <u>Texas</u>	STATE <u>Tx</u>	
OLD OR <u>NEW</u> (Circle one)			<u>S to 50W 2E 4 S W date</u>				

CONTRACTOR petromach #1
 TYPE OF JOB Rotary plug
 HOLE SIZE 7 7/8 T.D. 4402
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 1470
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER same
 CEMENT AMOUNT ORDERED 230 cu 60/140
4" gel 1/2 hr
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Charles King
#366 HELPER Ben Newell
 BULK TRUCK #544-199 DRIVER Dan Casper
 BULK TRUCK _____ DRIVER _____

REMARKS:
Rig Ran 1470' Drill pipe 1st plug 500'
10 BBI ahead mix 50' or displace 3.5 H2O
1.75 BBI mud Rig pulled to 600' 2nd plug
500' to BBI ahead mix 50' or 3.5 BBI H2O
1.79 mud Behind Rig pulled to 270'
3rd plug 1.75 BBI H2O ahead mix 50' or
displace .61 BBI H2O Rig pulled to 60 ft
4th plug mix 20' plug Rat hole
with 30'

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

TOTAL _____
 SERVICE _____
 DEPTH OF JOB 1470
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

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 _____ IF PAID IN 30 DAYS _____

PRINTED NAME Darven L. Hargrove
 SIGNATURE Darven L. Hargrove

Thank you!

[Handwritten signature]



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		KB Elevation 2236'	
Lease Ben Hinnergardt	No. 3	DF 2230'	
API # 15-135-25725-0000		Casing Record Surface	
Field Ben		8 5/8" @ 225'	
Location 1750' FSL & 1275' FEL		Production None	
Sec. 12	Twp. 20s	Rge. 21w	
County Ness		State Kansas	
Formation		Log Tops	
Anhydrite		Sample Tops	
Base		Struct Comp	
Heebner		3748' -1512	+8
Lansing		3796' -1560	+6
BKc		4133' -1897	
Pawnee		4260' -2024	
Fort Scott		4285' -2049	+8
Cherokee		4304' -2068	
Mississippian		4385' -2149	-15
Total Depth		4402' -2166	

Reference Well For Structural Comparison National Oil Co. Ben Hinnergardt #1
C SE NE Sec. 12 T20s R21w Ness Co. Kansas

Drilling Contractor	Petromark Drilling, LLC. Rig #1	
Commenced	1-27-2014	Completed 2-8-2014
Samples Saved From	4000'	To RTD
Drilling Time Kept From	3700'	To RTD
Samples Examined From	4000'	To RTD
Geological Supervision From	4000'	To RTD

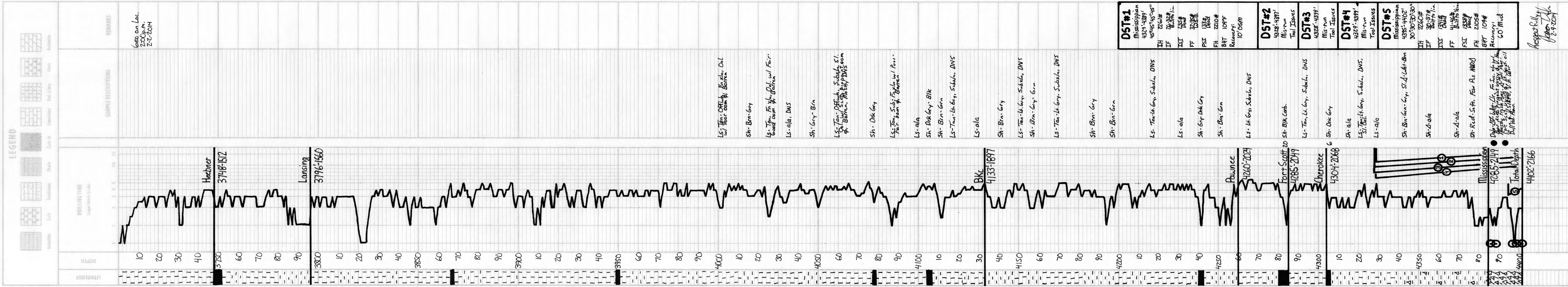
Displacement 3600' Mud Type Chemical

Summary and Recommendations

The location for the Ben Hinnergardt #3 was found via 3-D seismic survey. The new well ran structurally similar to expectations on all datums except for the Mississippian. Five Drill Stem Tests were run all were negative or invalid. After all gathered data had been examined the decision was made to plug and abandon the Ben Hinnergardt #3 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DST#1 Mississippian 4329-4399' 4345'-4345" 226# IF 235# 235# FF 235# FSI 2210# FH 109F BHT Recovery: 10' OSM	DST#2 4329-4397' Miss-run Tool Issues	DST#3 4329-4379' Miss-run Tool Issues	DST#4 4329-4399' Miss-run Tool Issues	DST#5 Mississippian 4375'-4402' 30' 30' 30' 30" 226# IF 30, 37' in. IF 30, 37' in. ISI 30, 37' in. FF 41, 46, 46, 46" FSI 1338# FH 2105# BHT 109# Recovery: 60 Mud
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Respectfully,
Jason T Alm
2-9-2014

Geological Report

American Warrior, Inc.
Ben Hinnergardt #3
1750' FNL & 1275' FEL
Sec. 12 T20s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Ben Hinnergardt #3
1750' FNL & 1275' FEL
Sec. 12 T20s R21w
Ness County, Kansas
API # 15-135-25725-0000

Drilling Contractor: Petromark Drilling, LLC. Rig #1

Geologist: Jason T Alm

Spud Date: January 27, 2014

Completion Date: February 8, 2014

Elevation: 2230' Ground Level
2236' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi. South to 50 Rd. East 2 mi. to County Line Rd.
½ mi. South, West into location.

Casing: 225' 8 5/8" surface casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Five, Trilobite Testing, Inc. "Brett Dickinson"

Problems: DST #3,4,5 were all mis-runs due to tool issues.

Remarks: None

Formation Tops

	<p style="text-align: center; margin: 0;">American Warrior, Inc. Ben Hinnergardt #3 Sec. 12 T20s R21w 1750' FNL & 1275' FEL</p>
Formation	
Anhydrite	1436', +800
Base	1462', +774
Heebner	3748', -1512
Lansing	3796', -1560
BKc	4133', -1897
Pawnee	4260', -2024
Fort Scott	4285', -2049
Cherokee	4304', -2068
Mississippian	4385', -2149
RTD	4402', -2166

Sample Zone Descriptions

Mississippian Osage (4385', -2149): **Covered in DST #1**

Δ – Dolo – Fine sucrosic crystalline with poor scattered pinpoint vuggy porosity, very heavy mostly fresh, angular chert with poor to fair scattered vuggy porosity, light spotted oil stain in porosity, very slight show of free oil, very light odor, dull yellow fluorescents.

Structural Comparison

Formation	American Warrior, Inc. Ben Hinnergardt #3 Sec. 12 T20s R21w 1750' FNL & 1275' FEL	National Oil Co. Ben Hinnergardt #1 Sec. 12 T20s R21w C SE NE	National Oil Co. Ben Hinnergardt #1-A Sec. 12 T20s R21w 810' FNL & 1830' FEL
Anhydrite	1436', +800	NA	1450', +796 (+4)
Base	1462', +774	NA	NA NA
Heebner	3748', -1512	3748', -1520	3764', -1518 (+6)
Lansing	3796', -1560	3794', -1566	3815', -1569 (+9)
BKc	4133', -1897	NA	4150', -1904 (+7)
Pawnee	4260', -2024	NA	NA NA
Fort Scott	4285', -2049	4285', -2057	4305', -2059 (+10)
Cherokee	4304', -2068	NA	NA NA
Mississippian	4385', -2149	4362', -2134	4378', -2132 (-17)

Summary

The location for the Ben Hinnergardt #3 was found via 3-D seismic survey. The new well ran structurally as expected via the survey on all datums except for the Mississippian. Five Drill Stem Tests were conducted all of which were negative or invalid. After all gathered data had been examined the decision was made to plug and abandon the Ben Hinnergardt #3 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #3

12-20s-21w Ness,KS

Start Date: 2014.02.03 @ 20:55:00

End Date: 2014.02.04 @ 04:47:45

Job Ticket #: 56206 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.11 @ 08:39:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

12-20s-21w Ness, KS
Ben Hinnergardt #3
 Job Ticket: 56206 **DST#: 1**
 Test Start: 2014.02.03 @ 20:55:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:46:00
 Time Test Ended: 04:47:45
 Interval: **4329.00 ft (KB) To 4389.00 ft (KB) (TVD)**
 Total Depth: 4389.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2236.00 ft (KB)
 2230.00 ft (CF)
 KB to GR/CF: 6.00 ft

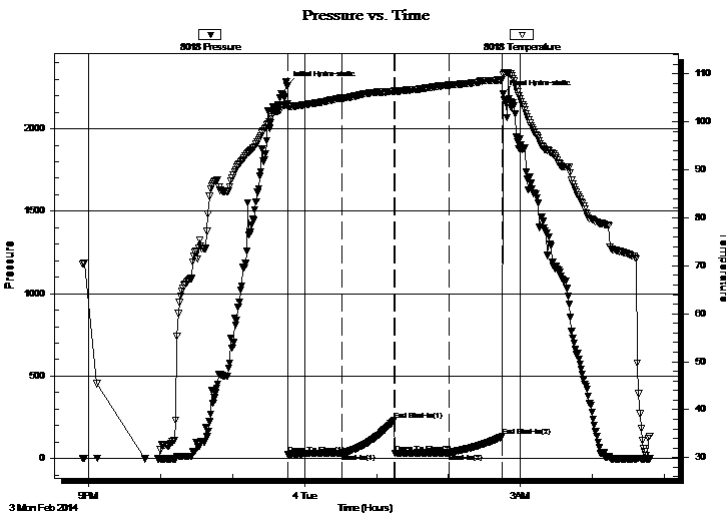
Serial #: 8018

Inside

Press@RunDepth: 34.83 psig @ 4335.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.03 End Date: 2014.02.04 Last Calib.: 2014.02.04
 Start Time: 20:55:05 End Time: 04:47:44 Time On Btm: 2014.02.03 @ 23:45:30
 Time Off Btm: 2014.02.04 @ 02:45:45

TEST COMMENT: IF-1" blow
 IS-No blow
 FF-No blow
 FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.60	103.74	Initial Hydro-static
1	26.19	103.05	Open To Flow (1)
46	32.54	104.96	Shut-In(1)
90	234.92	106.42	End Shut-In(1)
91	32.77	106.35	Open To Flow (2)
135	34.83	107.65	Shut-In(2)
180	133.18	108.75	End Shut-In(2)
181	2210.18	109.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil Spotted Mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56206

DST#: 1

ATTN: Jason Alm

Test Start: 2014.02.03 @ 20:55:00

Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	67000.00 lb
Depth to Top Packer:	4329.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 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			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	3.00			4319.00	
Packer	5.00			4324.00	28.00 Bottom Of Top Packer
Packer	5.00			4329.00	
Stubb	1.00			4330.00	
Perforations	5.00			4335.00	
Recorder	0.00	8018	Inside	4335.00	
Recorder	0.00	8319	Outside	4335.00	
Change Over Sub	1.00			4336.00	
Drill Pipe	31.00			4367.00	
Change Over Sub	1.00			4368.00	
Perforations	18.00			4386.00	
Bullnose	3.00			4389.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56206

DST#: 1

ATTN: Jason Alm

Test Start: 2014.02.03 @ 20:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil Spotted Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

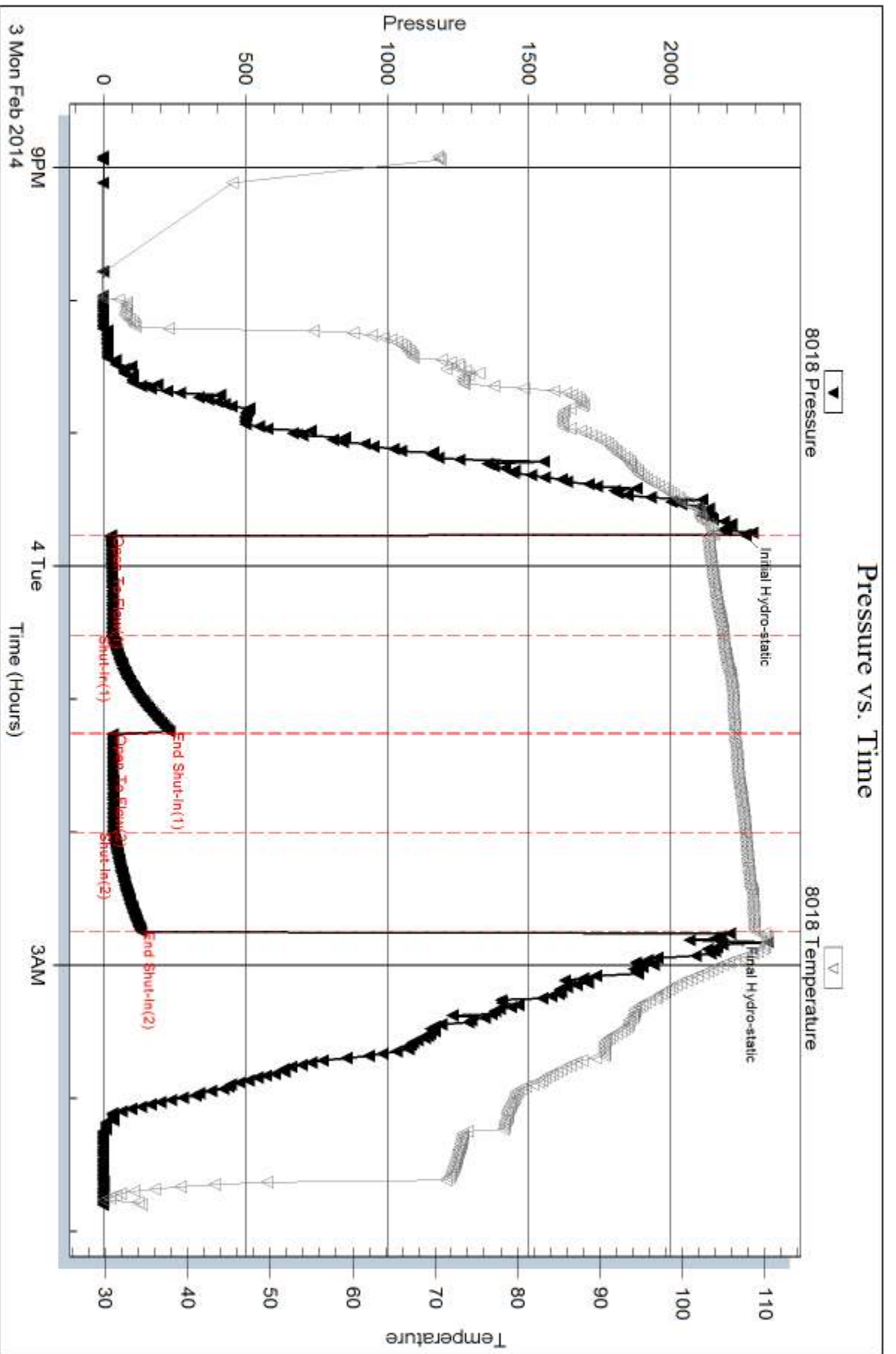
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

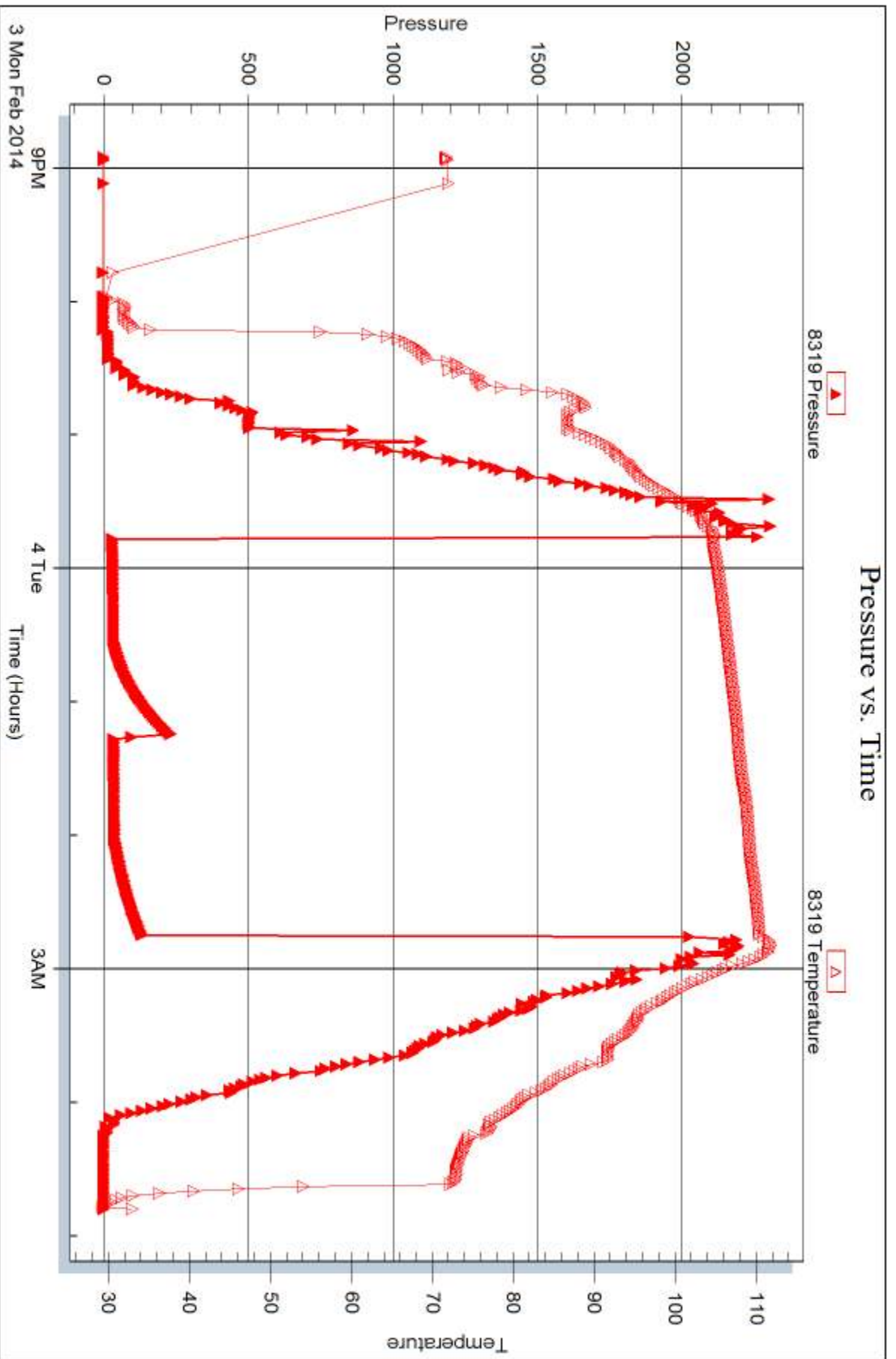


Serial #: 8319

Outside American Warrior Inc.

Ben Hinnergardt #3

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 56206

Printed: 2014.02.11 @ 08:39:20



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #3

12-20s-21w Ness,KS

Start Date: 2014.02.04 @ 10:35:00

End Date: 2014.02.04 @ 17:00:45

Job Ticket #: 56207 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.11 @ 08:38:49

American Warrior Inc.
12-20s-21w Ness,KS
Ben Hinnergardt #3
DST # 2
Miss
2014.02.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

12-20s-21w Ness, KS
Ben Hinnergardt #3
Job Ticket: 56207 **DST#: 2**
Test Start: 2014.02.04 @ 10:35:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:34:45
Time Test Ended: 17:00:45
Interval: **4328.00 ft (KB) To 4397.00 ft (KB) (TVD)**
Total Depth: 4389.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2236.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 6.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59

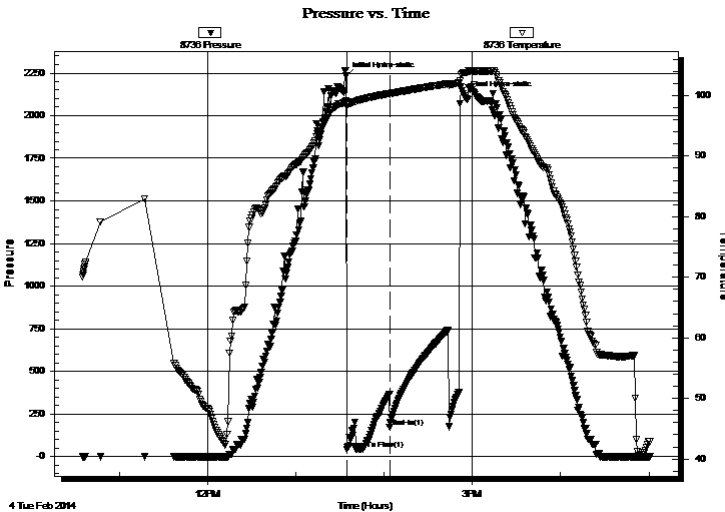
Serial #: 8736

Outside

Press@RunDepth: psig @ 4334.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.02.04 End Date: 2014.02.04 Last Calib.: 2014.02.04
Start Time: 10:35:05 End Time: 17:00:44 Time On Btm: 2014.02.04 @ 13:34:00
Time Off Btm: 2014.02.04 @ 14:54:30

TEST COMMENT: IF-1" blow
IS-No blow
FF-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.68	99.08	Initial Hydro-static
1	41.99	98.19	Open To Flow (1)
30	170.46	100.27	Shut-In(1)
81	2116.52	103.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Spotted Mud	0.05

* 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

12-20s-21w Ness, KS

Ben Hinnergardt #3

Job Ticket: 56207

DST#: 2

Test Start: 2014.02.04 @ 10:35:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:34:45

Time Test Ended: 17:00:45

Interval: 4328.00 ft (KB) To 4397.00 ft (KB) (TVD)

Total Depth: 4389.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Reference Elevations: 2236.00 ft (KB)

2230.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8018

Inside

Press@RunDepth: psig @ 4334.00 ft (KB)

Start Date: 2014.02.04

End Date:

2014.02.04

Start Time: 10:35:05

End Time:

17:00:59

Capacity: 8000.00 psig

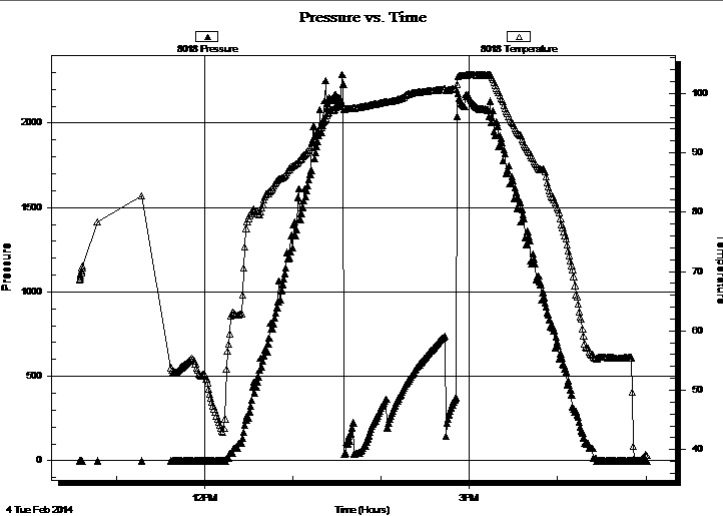
Last Calib.:

2014.02.04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-1" blow
IS-No blow
FF-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Spotted Mud	0.05

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.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56207

DST#: 2

ATTN: Jason Alm

Test Start: 2014.02.04 @ 10:35:00

Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	67000.00 lb
Depth to Top Packer:	4328.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	69.00 ft				
Tool Length:	97.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			4305.00	
Hydraulic tool	5.00			4310.00	
Jars	5.00			4315.00	
Safety Joint	3.00			4318.00	
Packer	5.00			4323.00	28.00 Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	1.00			4329.00	
Perforations	5.00			4334.00	
Recorder	0.00	8018	Inside	4334.00	
Recorder	0.00	8736	Outside	4334.00	
Change Over Sub	1.00			4335.00	
Drill Pipe	31.00			4366.00	
Change Over Sub	1.00			4367.00	
Perforations	27.00			4394.00	
Bullnose	3.00			4397.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56207

DST#: 2

ATTN: Jason Alm

Test Start: 2014.02.04 @ 10:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Oil Spotted Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

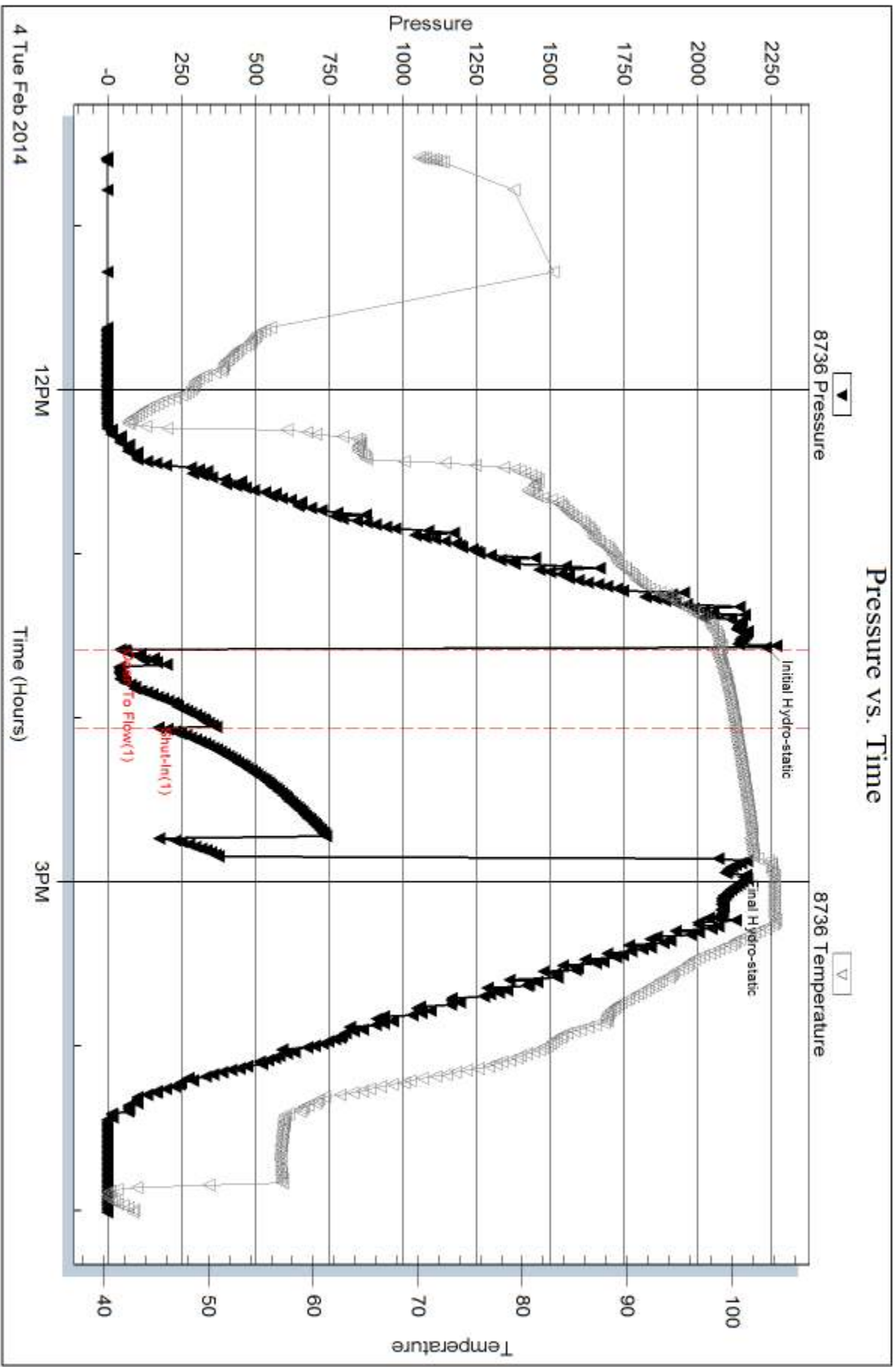
Num Gas Bombs: 0

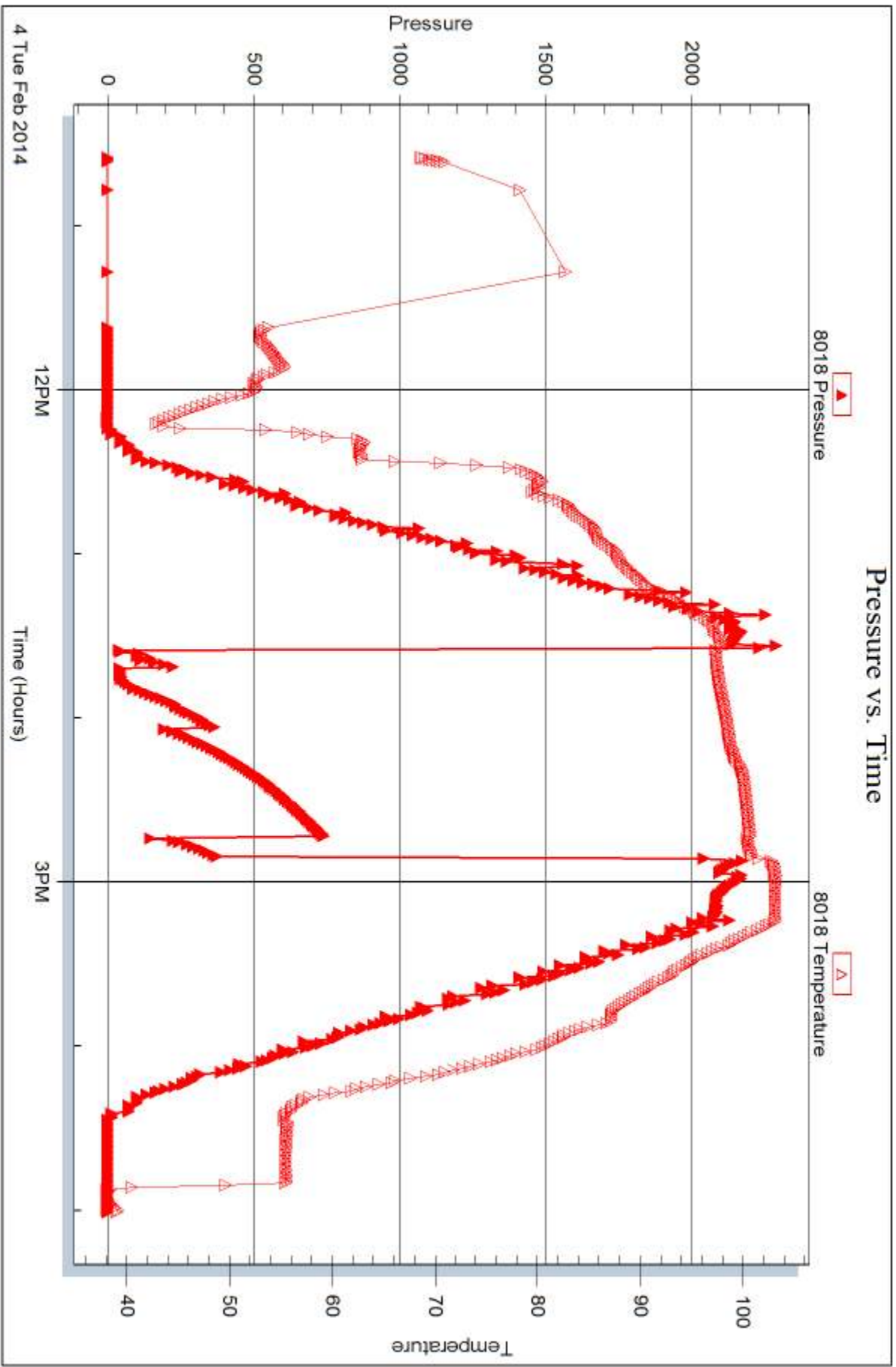
Serial #:

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

Ben Hinnergardt #3

12-20s-21w Ness,KS

Start Date: 2014.02.07 @ 00:10:05

End Date: 2014.02.07 @ 10:07:00

Job Ticket #: 56208 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.11 @ 08:38:26



DRILL STEM TEST REPORT

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

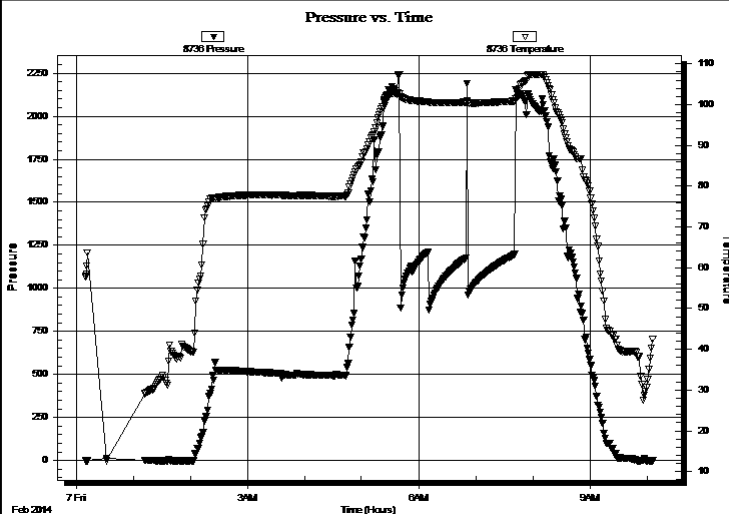
12-20s-21w Ness, KS
Ben Hinnergardt #3
 Job Ticket: 56208 **DST#: 3**
 Test Start: 2014.02.07 @ 00:10:05

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: Tester: Brett Dickinson
 Time Test Ended: 10:07:00 Unit No: 59
Interval: 4328.00 ft (KB) To 4399.00 ft (KB) (TVD)
 Reference Elevations: 2236.00 ft (KB)
 Total Depth: 4399.00 ft (KB) (TVD) 2230.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8736 **Outside**
 Press@RunDepth: psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.07 End Date: 2014.02.07 Last Calib.: 2014.02.07
 Start Time: 00:10:05 End Time: 10:07:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-1 1/4in blow
 IS-No blow
 FF-No blow Flush tool 1in blow died to 3/4in
 FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Spotted Mud	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

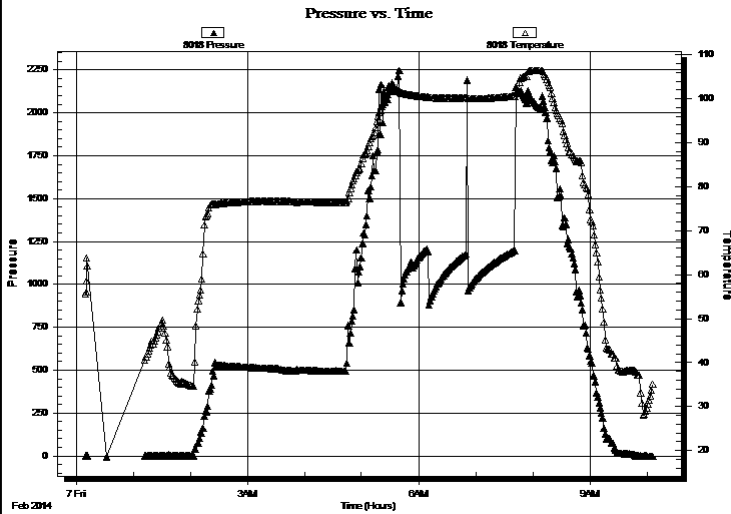
12-20s-21w Ness, KS
Ben Hinnergardt #3
Job Ticket: 56208 **DST#: 3**
Test Start: 2014.02.07 @ 00:10:05

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 10:07:00
Interval: **4328.00 ft (KB) To 4399.00 ft (KB) (TVD)**
Total Depth: 4399.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2236.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8018 Inside
Press@RunDepth: psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.02.07 End Date: 2014.02.07 Last Calib.: 2014.02.07
Start Time: 00:10:05 End Time: 10:06:45 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-1 1/4in blow
IS-No blow
FF-No blow Flush tool 1in blow died to 3/4in
FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Spotted Mud	0.05

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.

12-20s-21w Ness,KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56208

DST#: 3

ATTN: Jason Alm

Test Start: 2014.02.07 @ 00:10:05

Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4328.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4305.00	
Hydraulic tool	5.00			4310.00	
Jars	5.00			4315.00	
Safety Joint	3.00			4318.00	
Packer	5.00			4323.00	28.00 Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	1.00			4329.00	
Perforations	7.00			4336.00	
Recorder	0.00	8018	Inside	4336.00	
Recorder	0.00	8736	Outside	4336.00	
Change Over Sub	1.00			4337.00	
Drill Pipe	31.00			4368.00	
Change Over Sub	1.00			4369.00	
Perforations	27.00			4396.00	
Bullnose	3.00			4399.00	71.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56208

DST#: 3

ATTN: Jason Alm

Test Start: 2014.02.07 @ 00:10:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil Spotted Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

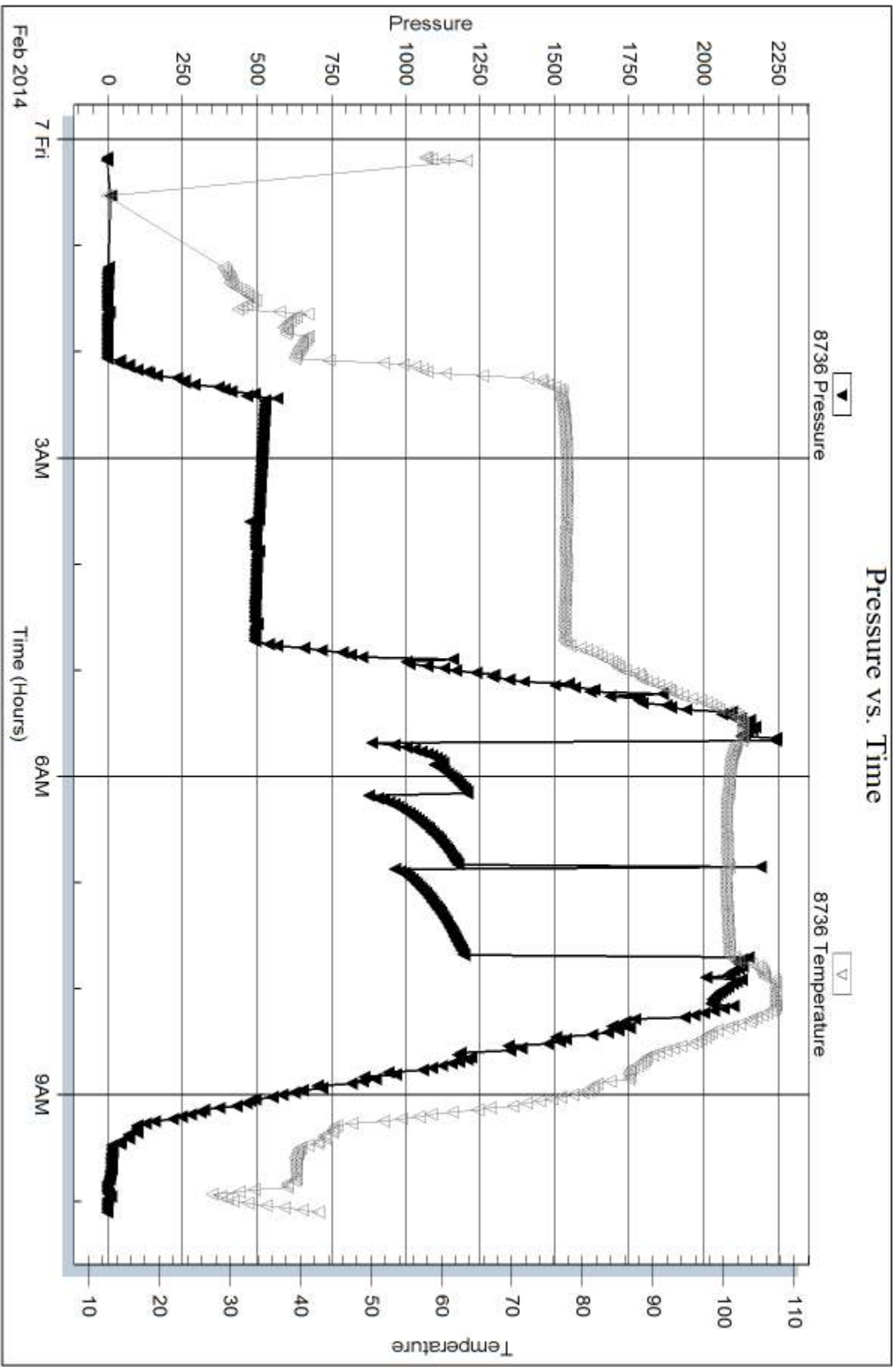
Recovery Comments:

Serial #: 8736

Outside American Warrior Inc.

Ben Hinnergardt #3

DST Test Number: 3



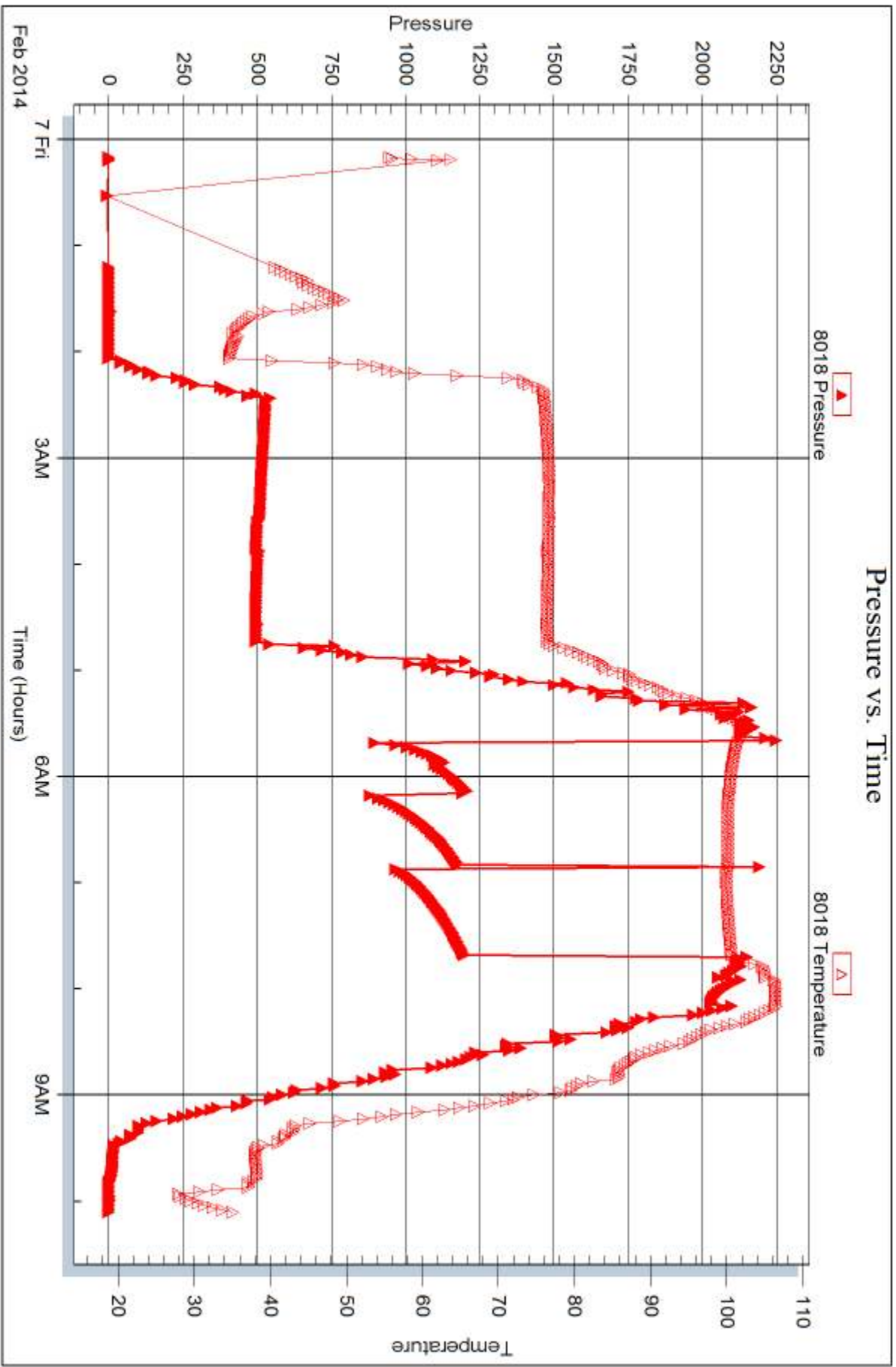
Serial #: 8018

Inside

American Warrior Inc.

Ben Hinnergardt #3

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 56208

Printed: 2014.02.11 @ 08:38:28



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #3

12-20s-21w Ness,KS

Start Date: 2014.02.03 @ 20:55:00

End Date:

Job Ticket #: 56209

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.11 @ 08:38:01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

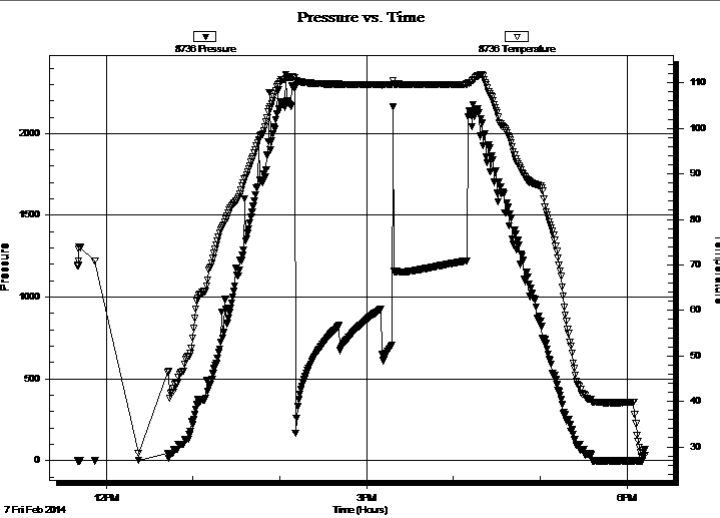
12-20s-21w Ness,KS
Ben Hinnergardt #3
 Job Ticket: 56209 **DST#: 4**
 Test Start: 2014.02.03 @ 20:55:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened:
 Tester: Brett Dickinson
 Time Test Ended:
 Unit No: 59
 Interval: **4329.00 ft (KB) To 4399.00 ft (KB) (TVD)**
 Reference Elevations: 2236.00 ft (KB)
 Total Depth: 4399.00 ft (KB) (TVD)
 2230.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 6.00 ft

Serial #: 8736 **Outside**
 Press@RunDepth: psig @ 4335.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.07 End Date: 2014.02.07 Last Calib.: 1899.12.30
 Start Time: 11:40:05 End Time: 18:12:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-1 3/4" blow died back to 1 1/2"
 IS-No blow
 FF-weak surface blow flush tool 1in blow died to 3/4"
 FS-No blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Mud	0.30

* 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

12-20s-21w Ness,KS
Ben Hinnergardt #3
 Job Ticket: 56209 **DST#: 4**
 Test Start: 2014.02.03 @ 20:55:00

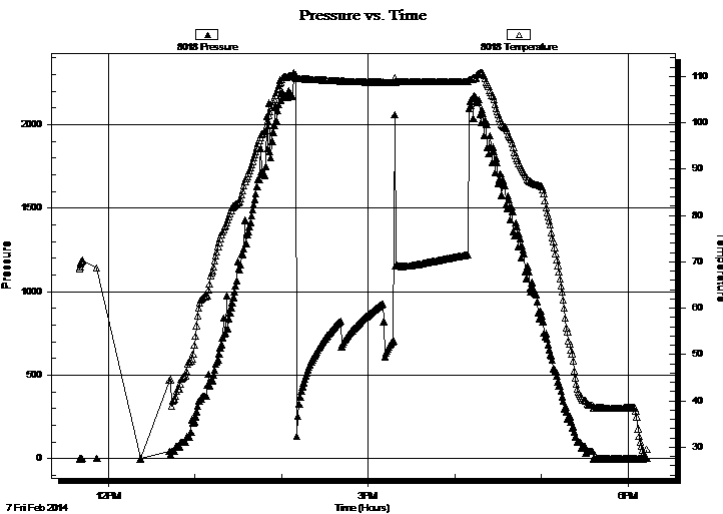
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended:
Interval: 4329.00 ft (KB) To 4399.00 ft (KB) (TVD)
 Total Depth: 4399.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2236.00 ft (KB)
 2230.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8018 Inside
 Press@RunDepth: psig @ 4335.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.07 End Date: 2014.02.07 Last Calib.: 2014.02.07
 Start Time: 11:40:05 End Time: 18:12:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-1 3/4" blow died back to 1 1/2"
 IS-No blow
 FF-weak surface blow flush tool 1in blow died to 3/4"
 FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.30

* 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.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56209

DST#: 4

ATTN: Jason Alm

Test Start: 2014.02.03 @ 20:55:00

Tool Information

Drill Pipe:	Length: 4126.00 ft	Diameter: 3.80 inches	Volume: 57.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	68000.00 lb
Drill Pipe Above KB:	9.00 ft			Final	68000.00 lb
Depth to Top Packer:	4329.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	3.00			4319.00	
Packer	5.00			4324.00	28.00 Bottom Of Top Packer
Packer	5.00			4329.00	
Stubb	1.00			4330.00	
Perforations	5.00			4335.00	
Recorder	0.00	8018	Inside	4335.00	
Recorder	0.00	8736	Outside	4335.00	
Change Over Sub	1.00			4336.00	
Drill Pipe	31.00			4367.00	
Change Over Sub	1.00			4368.00	
Perforations	28.00			4396.00	
Bullnose	3.00			4399.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56209

DST#: 4

ATTN: Jason Alm

Test Start: 2014.02.03 @ 20:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

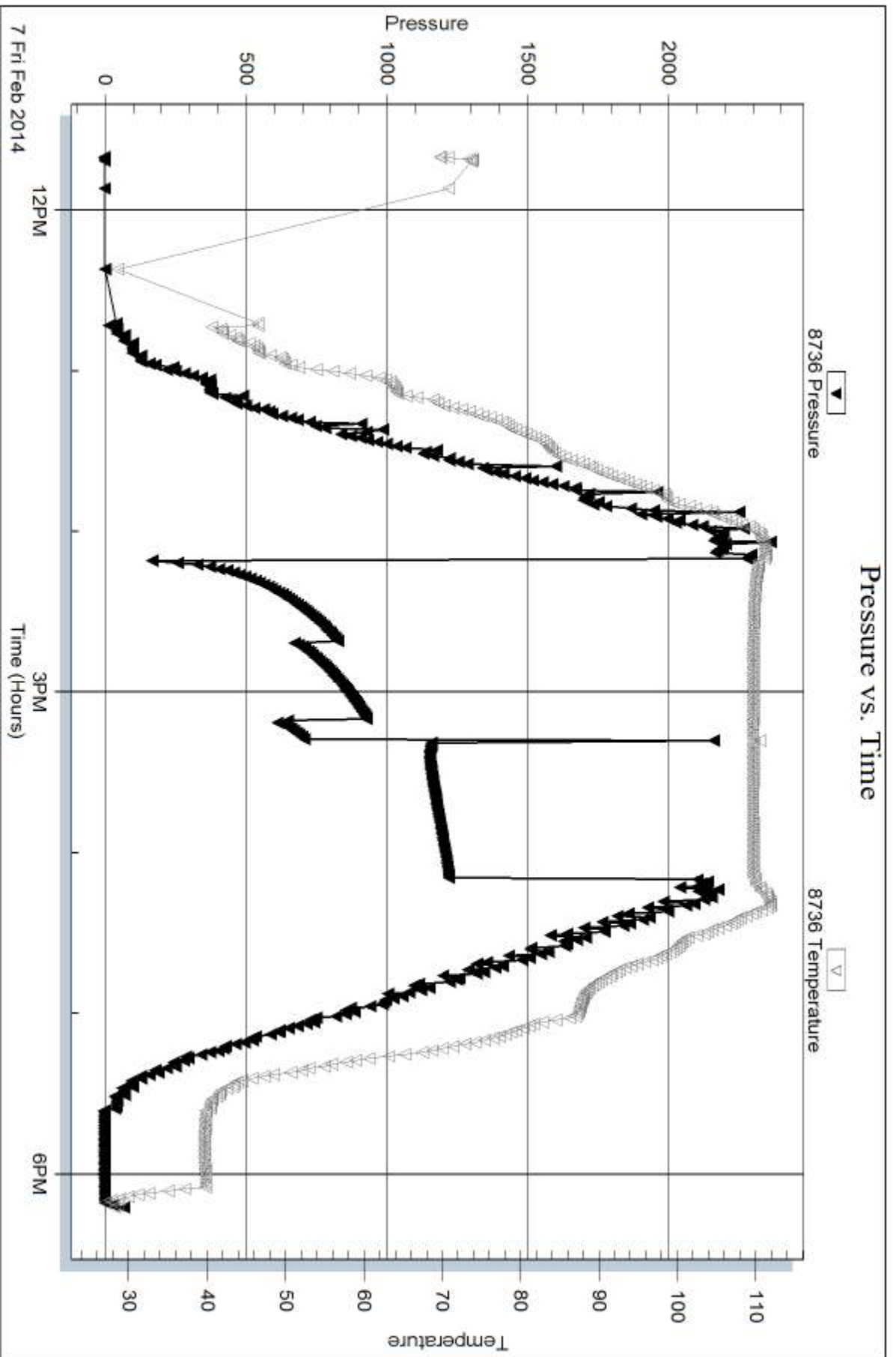
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



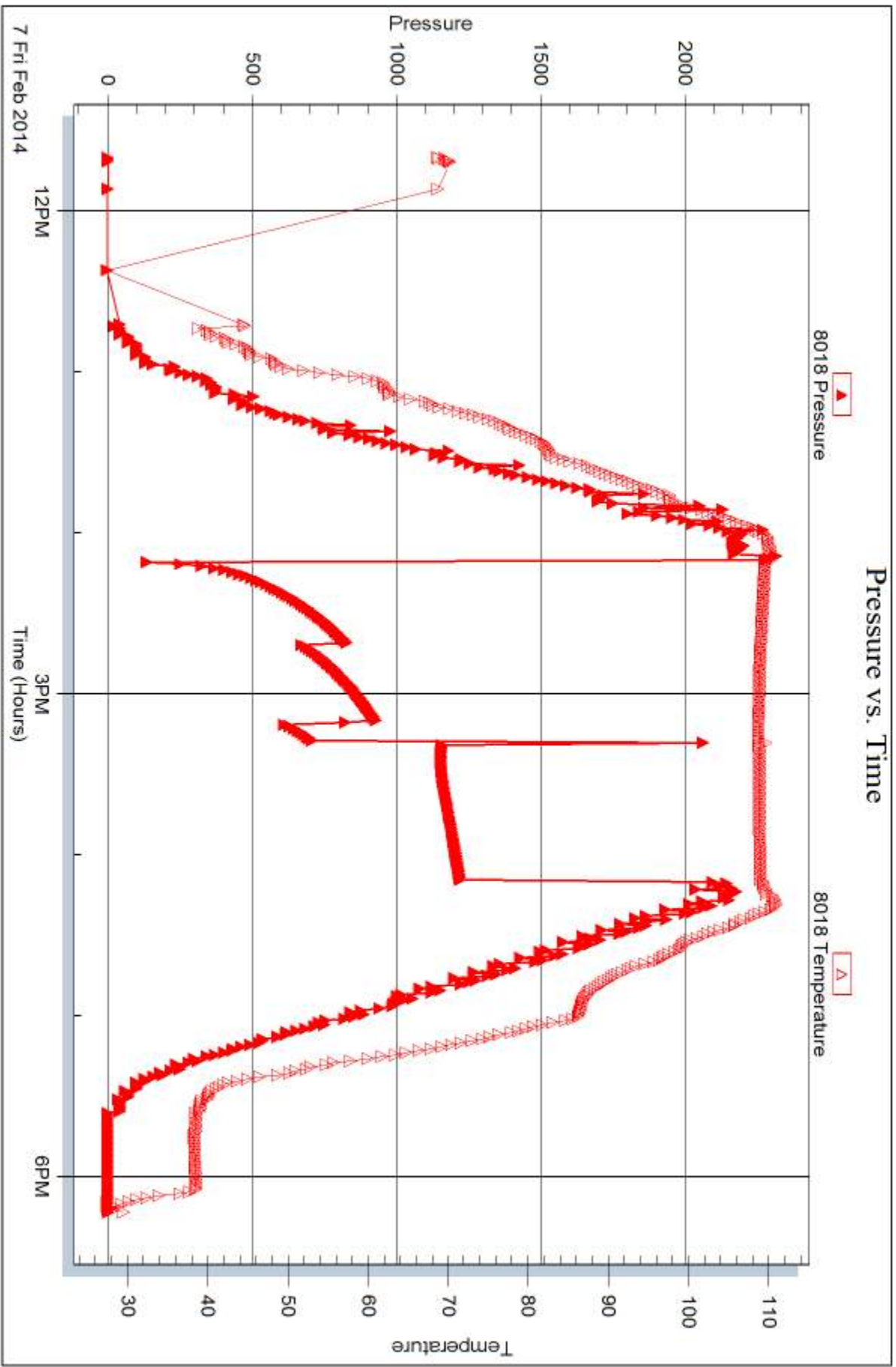
Serial #: 8018

Inside

American Warrior Inc.

Ben Hinnergardt #3

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 56209

Printed: 2014.02.11 @ 08:38:03



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Ben Hinnergardt #3

12-20s-21w Ness,KS

Start Date: 2014.02.08 @ 01:55:00

End Date: 2014.02.08 @ 09:20:45

Job Ticket #: 56210 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.02.11 @ 08:37:23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

12-20s-21w Ness, KS
Ben Hinnergardt #3
Job Ticket: 56210 **DST#: 5**
Test Start: 2014.02.08 @ 01:55:00

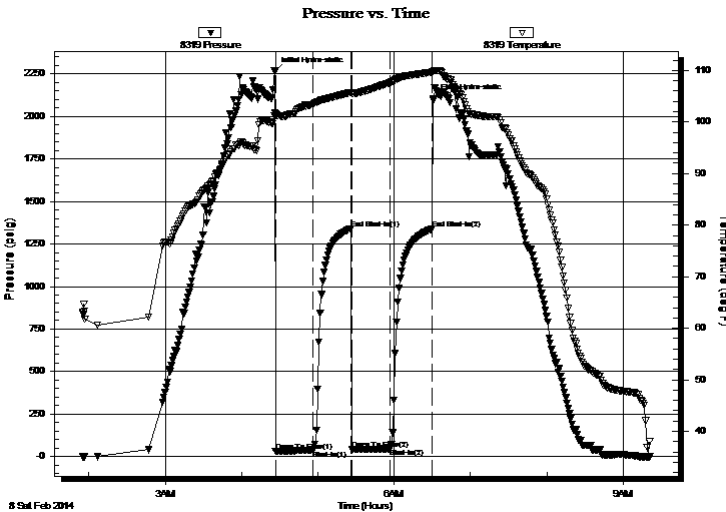
GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:26:30
Time Test Ended: 09:20:45
Interval: **4395.00 ft (KB) To 4402.00 ft (KB) (TVD)**
Total Depth: 4402.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2236.00 ft (KB)
2230.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8319 Outside
Press@RunDepth: 46.37 psig @ 4399.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.02.08 End Date: 2014.02.08 Last Calib.: 2014.02.08
Start Time: 01:55:05 End Time: 09:20:44 Time On Btm: 2014.02.08 @ 04:26:00
Time Off Btm: 2014.02.08 @ 06:31:00

TEST COMMENT: IF-1" blow
IS-No blow
FF-1/2" blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.38	101.71	Initial Hydro-static
1	30.68	101.22	Open To Flow (1)
30	37.67	103.43	Shut-In(1)
60	1340.70	105.72	End Shut-In(1)
61	41.53	105.44	Open To Flow (2)
91	46.37	107.63	Shut-In(2)
124	1338.16	109.67	End Shut-In(2)
125	2104.56	109.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56210 **DST#: 5**

ATTN: Jason Alm

Test Start: 2014.02.08 @ 01:55:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:30

Time Test Ended: 09:20:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 4395.00 ft (KB) To 4402.00 ft (KB) (TVD)

Reference Elevations: 2236.00 ft (KB)

Total Depth: 4402.00 ft (KB) (TVD)

2230.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8018

Inside

Press@RunDepth: psig @ 4399.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.08

End Date: 2014.02.08

Last Calib.: 2014.02.08

Start Time: 01:55:05

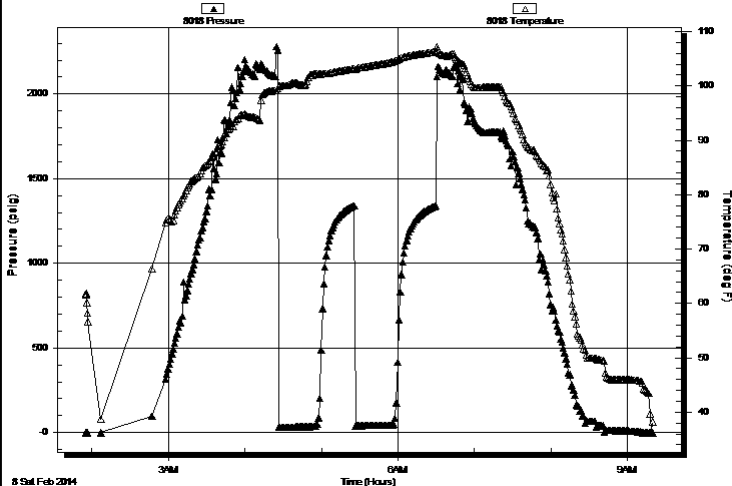
End Time: 09:20:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-1" blow
IS-No blow
FF-1/2" blow
FS-No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.30

* 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.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56210

DST#: 5

ATTN: Jason Alm

Test Start: 2014.02.08 @ 01:55:00

Tool Information

Drill Pipe:	Length: 4190.00 ft	Diameter: 3.80 inches	Volume: 58.77 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4395.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4372.00	
Hydraulic tool	5.00			4377.00	
Jars	5.00			4382.00	
Safety Joint	3.00			4385.00	
Packer	5.00			4390.00	28.00 Bottom Of Top Packer
Packer	5.00			4395.00	
Stubb	1.00			4396.00	
Perforations	3.00			4399.00	
Recorder	0.00	8018	Inside	4399.00	
Recorder	0.00	8319	Outside	4399.00	
Bullnose	3.00			4402.00	7.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

12-20s-21w Ness, KS

PO Box 399
Garden City KS 67846

Ben Hinnergardt #3

Job Ticket: 56210

DST#: 5

ATTN: Jason Alm

Test Start: 2014.02.08 @ 01:55:00

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

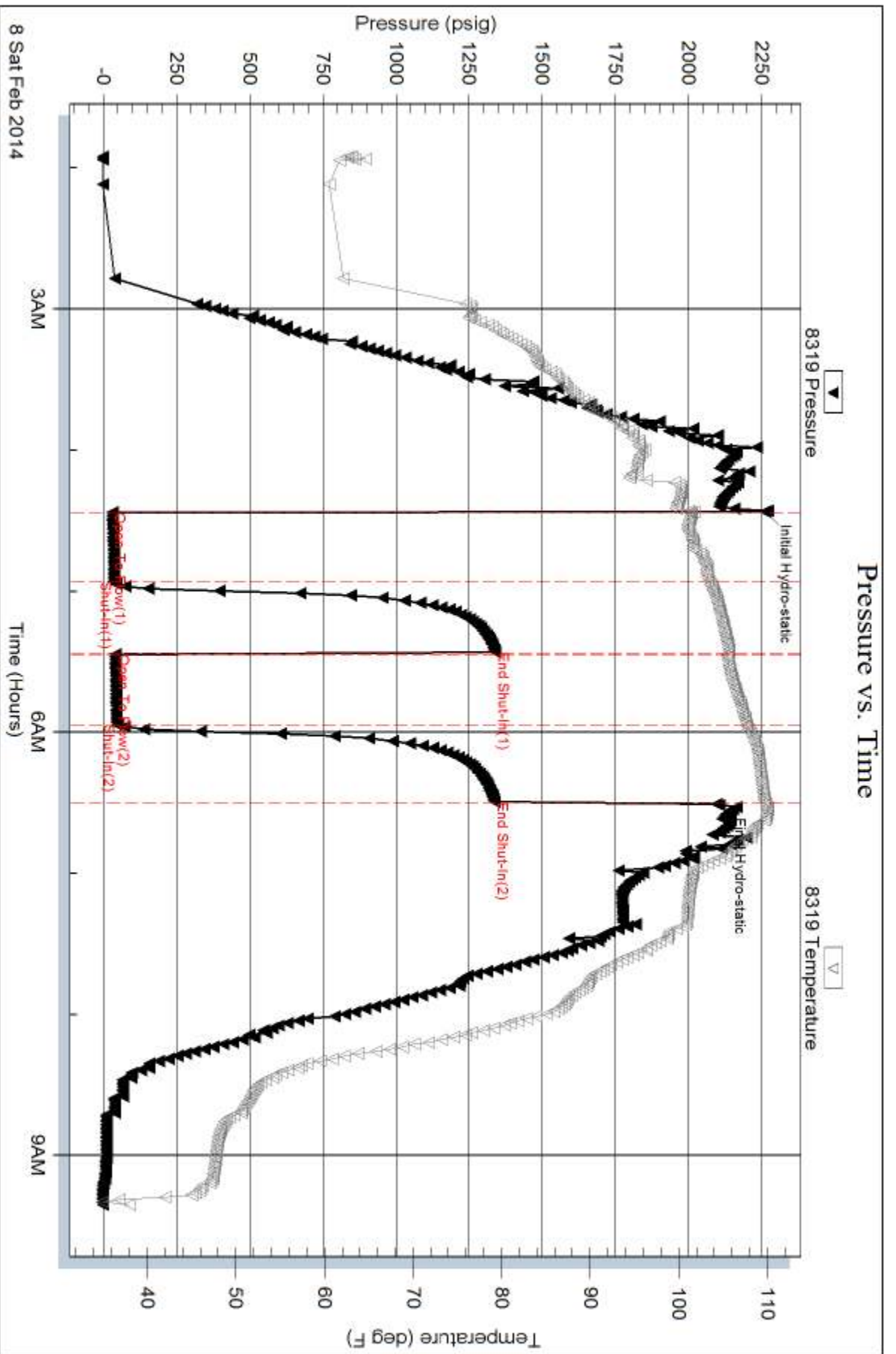
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



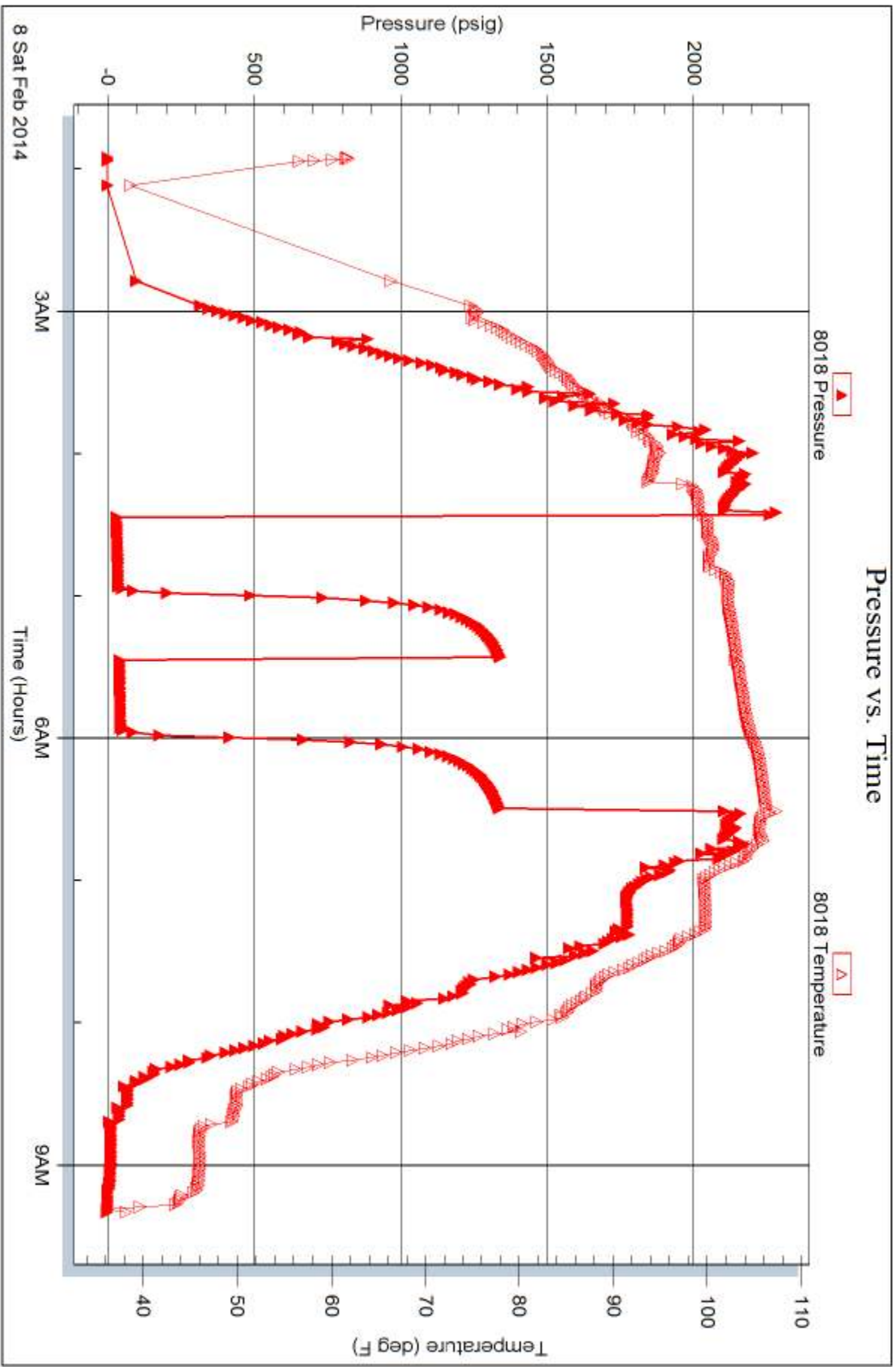
Serial #: 8018

Inside

American Warrior Inc.

Ben Hinnergardt #3

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 56210

Printed: 2014.02.11 @ 08:37:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56206**

4/10

Well Name & No. Ben Hinnergardt Well #3 Test No. 1 Date 2/3/14
 Company American Warrior, Inc. Elevation 2236 KB 2230 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 1
 Location: Sec. 12 Twp. 20s Rge. 21w Co. Ness State KS

Interval Tested 4329 - 4389 Zone Tested Miss
 Anchor Length 60 Drill Pipe Run _____ Mud Wt. 9.5
 Top Packer Depth 4324 Drill Collars Run _____ Vis 60
 Bottom Packer Depth 4329 Wt. Pipe Run — WL 7.2
 Total Depth 4389 Chlorides 4,700 ppm System LCM —

Blow Description IF - 1/2 blow
IST -
FF - No blow
FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>oil spotted Mud</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 609 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2,261</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>20:15</u>
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:55</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:46</u>
(D) Initial Shut-In <u>235</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2:46</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>4:45</u>
(F) Second Final Flow <u>35</u>	<input checked="" type="checkbox"/> Mileage <u>110 RT</u> 170.50	Comments _____
(G) Final Shut-In <u>133</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2,210</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

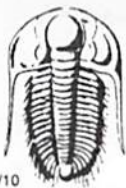
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1745.50

Sub Total 1745.50

Approved By _____ Our Representative Brett Dickson

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. 56207

Well Name & No. Ben Hinnergardt #3 Test No. 2 Date 2/4/14
 Company American Warrior, Inc Elevation 2236 KB 2230 GL
 Address _____
 Co. Rep / Geo. Jason Alm Rig Petro mark #1
 Location: Sec. 12 Twp. 20s Rge. 21w Co. Ncs S State KS

Interval Tested 4328-4397 Zone Tested Miss
 Anchor Length 69 Drill Pipe Run _____ Mud Wt. 9.5
 Top Packer Depth 4323 Drill Collars Run _____ Vis 60
 Bottom Packer Depth 4328 Wt. Pipe Run _____ WL 7.2
 Total Depth 4397 Chlorides 4,700 ppm System LCM _____
 Blow Description 7F - lin blow
ISF - No blow
FF - No blow

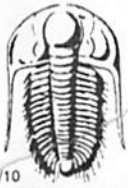
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil spotted mud</u>				
	<u>plugged</u>				

Rec Total 10 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1050 T-On Location 10:20
 (B) First Initial Flow _____ Jars 250 T-Started 10:35
 (C) First Final Flow _____ Safety Joint 75 T-Open 13:33
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 14:48
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 17:00
 (F) Second Final Flow _____ Mileage 110.1 170.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1545.50
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1545.50

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. 56208

Well Name & No. Ben Hinnergardt #3 Test No. 3 Date 2/6/14
 Company American Warrior, Inc. Elevation 2236 KB 2230 GL
 Address _____
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 12 Twp. 20s Rge. 21w Co. Ness State KS

Interval Tested 4328-4399 Zone Tested Miss
 Anchor Length 71 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 4323 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 4328 Wt. Pipe Run — WL _____
 Total Depth 4399 Chlorides _____ ppm System LCM _____
 Blow Description IF - 1/4 in blow
ISI - No blow
FF - No blow flush tool 1 in blow died to 3/4 in
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil spotted mud</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 10 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

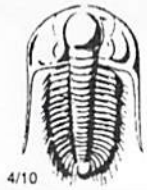
(A) Initial Hydrostatic _____ Test 1050 T-On Location 22:55
 (B) First Initial Flow _____ Jars 250 T-Started 00:10
 (C) First Final Flow _____ Safety Joint 75 T-Open 5:40
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 7:40
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 10:05
 (F) Second Final Flow _____ Mileage 110-T 170.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1545.50
 Total 1545.50
 MP/DST Disc't _____

Approved By _____ Our Representative Brett Dickman

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56209**

Well Name & No. Ben Hinnergardt #3 Test No. 4 Date 2/2/14
 Company American Warrior, Inc. Elevation 2236 KB 2230 GL
 Address _____
 Co. Rep / Geo. Jason Alm Rig Petromark #1
 Location: Sec. 12 Twp. 20 Rge. 21w Co. Ness State KS

Interval Tested 4329-4399 Zone Tested Miss
 Anchor Length 20 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 4324 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 4329 Wt. Pipe Run _____ WL _____
 Total Depth 4399 Chlorides _____ ppm System LCM _____
 Blow Description IF - 1 3/4 died back to 1 1/2
ISI - No blow
FF - weak surface flush tool lin died

Rec	Feet of	%gas	%oil	%water	%mud

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

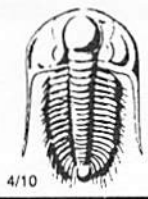
(A) Initial Hydrostatic _____ Test 1050 T-On Location _____
 (B) First Initial Flow _____ Jars 250 T-Started 11:40
 (C) First Final Flow _____ Safety Joint 75 T-Open 14:08
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 16:08
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 15:10
 (F) Second Final Flow _____ Mileage _____ Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1375

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

Sub Total 1375
 Total 1375
 MP/DST Disc't _____

Approved By _____ Our Representative Ben Alm

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56210**

Well Name & No. Ben Hinnergardt #3 Test No. 5 Date 2/8/14
 Company American Warrior, Inc. Elevation 2236 KB 2230 GL
 Address _____
 Co. Rep / Geo. Jason Alm Rig Petromack #1
 Location: Sec. 12 Twp. 20 Rge. 21w Co. Ness State KS

Interval Tested 4395 - 4402 Zone Tested Mis 5
 Anchor Length 7 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 4390 Drill Collars Run 186 Vis 42
 Bottom Packer Depth 4395 Wt. Pipe Run _____ WL 10.4
 Total Depth 4402 Chlorides 5,200 ppm System LCM _____
 Blow Description IF - 1 in blow
ISF - No blow
FF - 1/2 in blow
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 60 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2260</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1:15</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:55</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:23</u>
(D) Initial Shut-In <u>13 41</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>6:23</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>170.50</u>	Comments _____
(G) Final Shut-In <u>13 38</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>21 05</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1745.50</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1745.50</u>	

Approved By _____ Our Representative Ben Alm

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