



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1239857
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: _____



1239857

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'Brate Finney 3-5
Doc ID	1239857

Tops

Name	Top	Datum
Anhy	1929'	+930
B/Anhy	1999'	+860
Heebner	3852'	-993
Lansing	3901'	-1042
B/KC	4382'	-1523
Marmaton	4410'	-1551
Ft.Scott	4511'	-1652
Morrow	4697'	-1838
Mississippian	4772'	-1913



CEMENTING LOG

Date 1/8/2015 District Liberal # 21 Ticket No. 64588
 Company American Warrior Rig Duke # 10
 Lease O'Brate Well No 3-5
 County Finney State Ks
 Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24# Collar _____

Casing Depths Top _____ Bottom 1646

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT _____ LIN. FT/BBL _____
 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 _____

CEMENT DATA

Spacer Type H2O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
10 bbls

LEAD: Time _____ hrs. Type 60/40 4% Gel 1/4# Flo Seal

Excess _____
 Amt. 270 Sks Yield 1.51 ft³/sk Density 13.5 PPG

TAIL: Time _____ hrs. Type _____

Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

WATER Lead 7.5 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Pump Trucks Used: 549-550

Bulk Equipment _____

955-692

Float Equipment: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Bottom _____

Stage Collars _____

Special Equipment _____

Disp: Fluid Type _____ Amt _____ bbls Weight _____ PPG

Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____

CEMENTER _____

Lenny Baeza

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
10:00am						On location @ 10:00am
11:40am	80		10		3	10 bbls of water ahead
11:43am	90		23		4	First Plug @ 1980' 50sk plug
11:48am	100		44		4	Started displacement of 24 bbls of MUD Plug balanced off and pulling to the next plug @1650'
12:21pm	75		45		3	10 bbls of water ahead
12:24pm	110		58		4	Second Plug @ 1650 50sk plug
12:31pm	60		78		4	20bbls displacement of MUD
1:10pm	80		128		6	3rd plug @ 1000' 50 bbls of water to clean well
1:18pm	50		141		4	mixing 50 sk plug
1:21pm	0		151		4	Displacement of 10 bbls
1:29pm	80		161		4	4th Plug @ 500' 10 bbls of water ahead
1:31pm	50		174		4	Mixing 50sk of cement
1:35pm	0		177		3	displacement of 3 bbls
1:55pm	80		182		3	5th plug @ 60' 5 bbls of water ahead
1:58pm	50		187		3	mixing 20sk of cement cement to surface
2:05pm	50		195		3	Plugging up Rat hole with 30 sk of cement
2:15pm	40		200		3	Plugging up Mouse hole with 20 sk of cement
						Washing up to the pits and leaving location @ 3:30pm

FINAL DISP. PRESS. 470 PSI BUMP PLUG TO 0 PSI BLEEDBACK 0 BBLs **THANK YOU**



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

O'brate-Finney #3-5

5-23s-32w Finney,KS

Start Date: 2015.01.04 @ 20:09:00

End Date: 2015.01.05 @ 07:46:00

Job Ticket #: 56589 DST #: 1

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

Printed: 2015.01.08 @ 14:47:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

5-23s-32w Finney,KS
O'brate-Finney #3-5
 Job Ticket: 56589 **DST#: 1**
 Test Start: 2015.01.04 @ 20:09:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:11:00
 Time Test Ended: 07:46:00
 Interval: **4676.00 ft (KB) To 4727.00 ft (KB) (TVD)**
 Total Depth: 4727.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cornelio Landa III
 Unit No: 44
 Reference Elevations: 2859.00 ft (KB)
 2848.00 ft (CF)
 KB to GR/CF: 11.00 ft

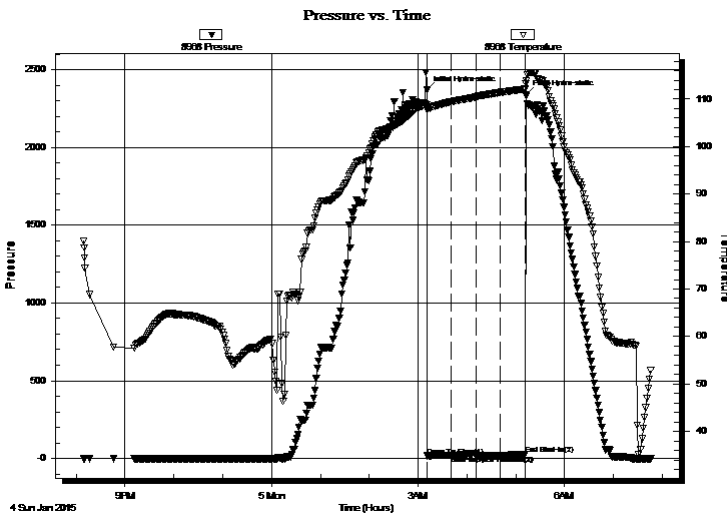
Serial #: 8968

Outside

Press@RunDepth: 19.89 psig @ 4678.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.04 End Date: 2015.01.05 Last Calib.: 2015.01.05
 Start Time: 20:09:05 End Time: 07:46:00 Time On Btm: 2015.01.05 @ 03:10:45
 Time Off Btm: 2015.01.05 @ 05:12:30

TEST COMMENT: IF: Weak surface blow -Built to 1/8"
 IS: No return
 FF: No blow
 FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.50	108.84	Initial Hydro-static
1	16.96	107.77	Open To Flow (1)
31	19.03	109.48	Shut-In(1)
60	32.46	110.41	End Shut-In(1)
61	19.15	110.45	Open To Flow (2)
91	19.89	111.43	Shut-In(2)
121	26.35	112.11	End Shut-In(2)
122	2339.77	113.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56589

DST#: 1

ATTN: Kevin Timson

Test Start: 2015.01.04 @ 20:09:00

Tool Information

Drill Pipe:	Length: 4673.00 ft	Diameter: 3.80 inches	Volume: 65.55 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	10000.00 lb
			<u>Total Volume: 65.55 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4676.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	78.00 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			4650.00	
Shut In Tool	5.00			4655.00	
Hydraulic tool	5.00			4660.00	
Jars	5.00			4665.00	
Safety Joint	2.00			4667.00	
Packer	5.00			4672.00	27.00 Bottom Of Top Packer
Packer	4.00			4676.00	
Stubb	1.00			4677.00	
Change Over Sub	1.00			4678.00	
Recorder	0.00	8969	Inside	4678.00	
Recorder	0.00	8968	Outside	4678.00	
Drill Pipe	32.00			4710.00	
Change Over Sub	1.00			4711.00	
Perforations	13.00			4724.00	
Bullnose	3.00			4727.00	51.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56589

DST#: 1

ATTN: Kevin Timson

Test Start: 2015.01.04 @ 20:09:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

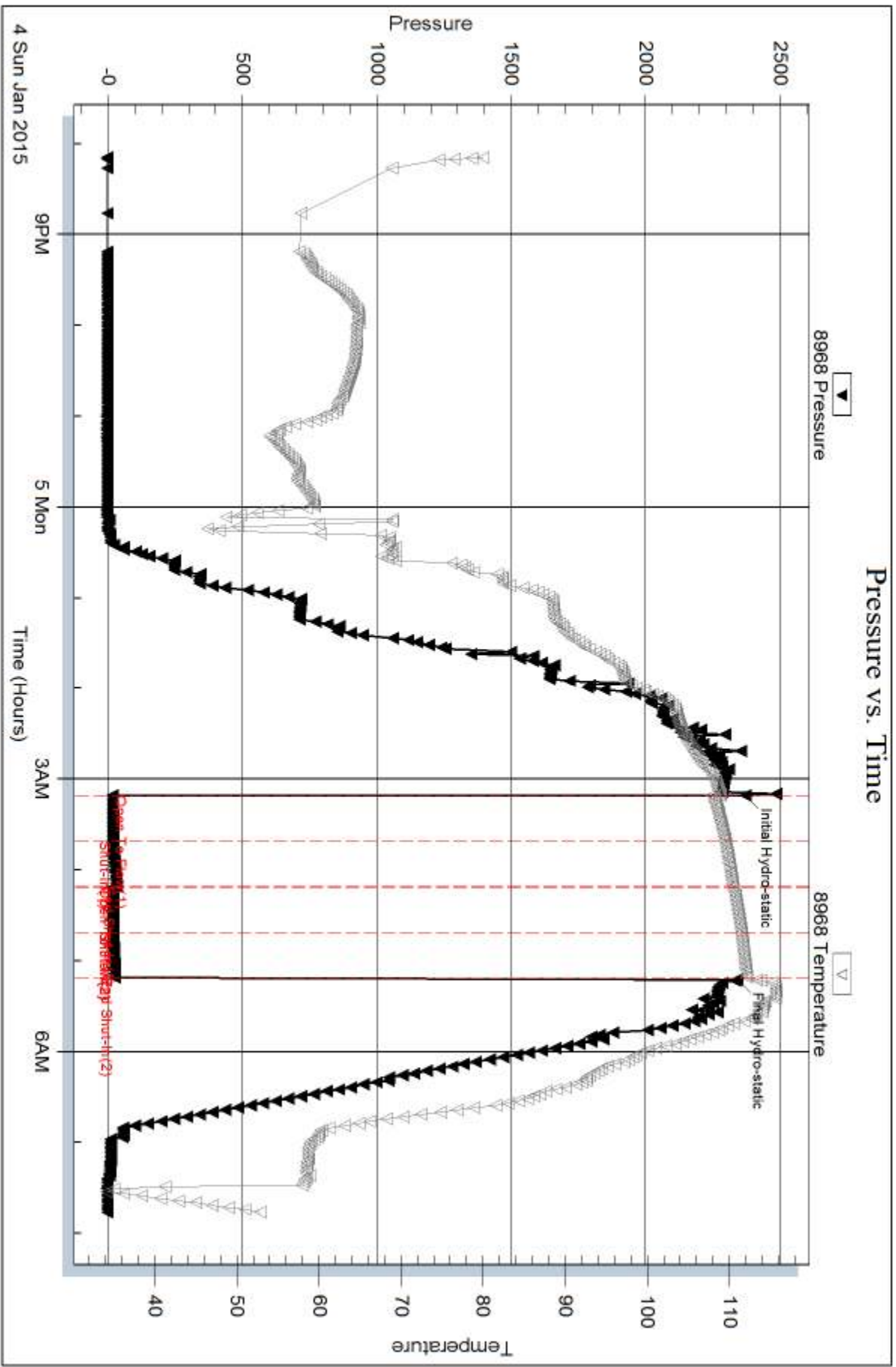
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



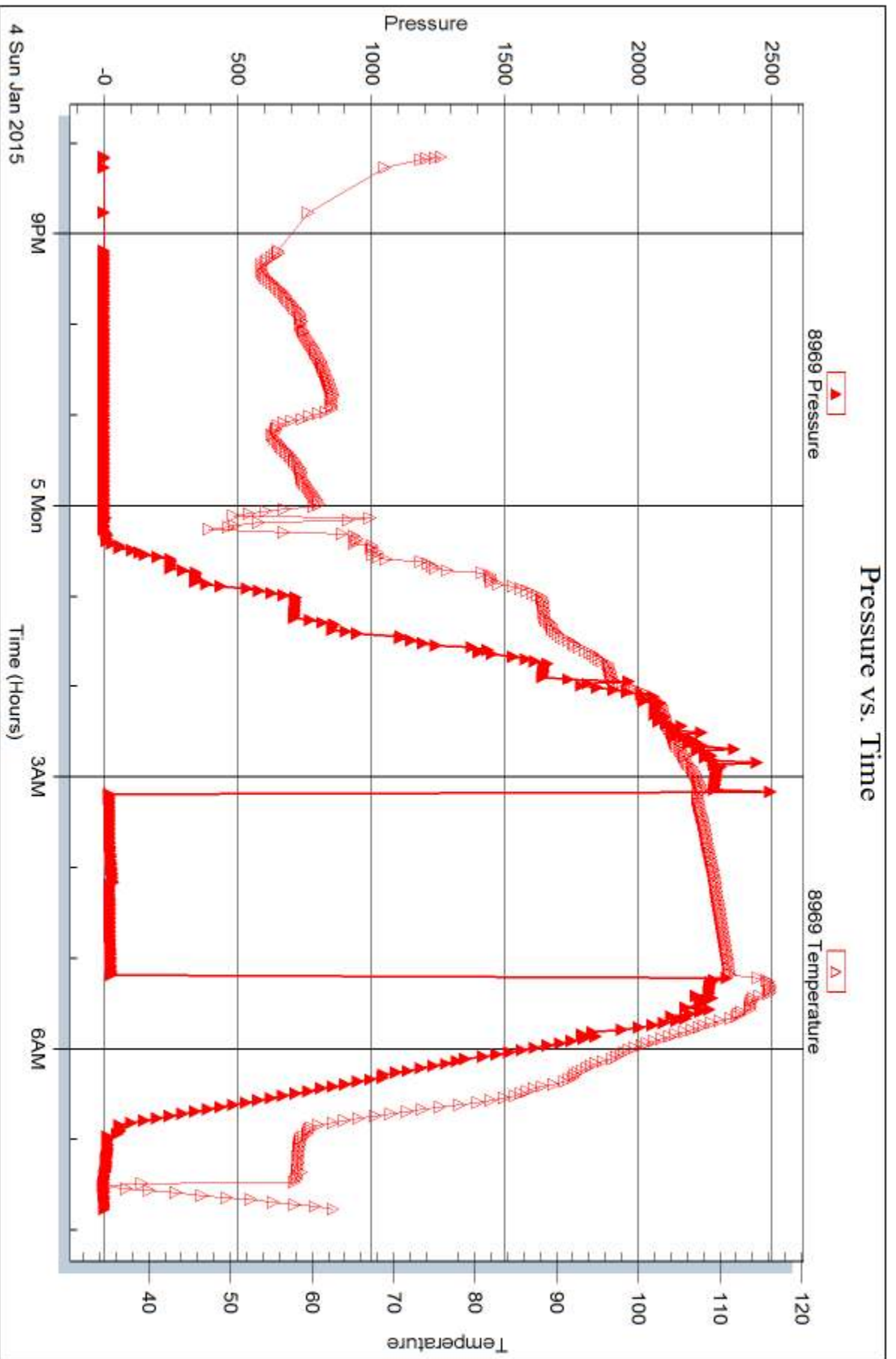
Serial #: 8969

Inside

American Warrior Inc.

Obrate-Finney #3-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56589

Printed: 2015.01.08 @ 14:47:18



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

O'brate-Finney #3-5

5-23s-32w Finney,KS

Start Date: 2015.01.05 @ 17:32:00

End Date: 2015.01.06 @ 01:53:30

Job Ticket #: 56590 DST #: 2

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

Printed: 2015.01.08 @ 14:46:55



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

5-23s-32w Finney,KS
O'brate-Finney #3-5
 Job Ticket: 56590 **DST#: 2**
 Test Start: 2015.01.05 @ 17:32:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:33:00
 Time Test Ended: 01:53:30
 Interval: **4677.00 ft (KB) To 4756.00 ft (KB) (TVD)**
 Total Depth: 4756.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III
 Unit No: 44
 Reference Elevations: 2859.00 ft (KB)
 2848.00 ft (CF)
 KB to GR/CF: 11.00 ft

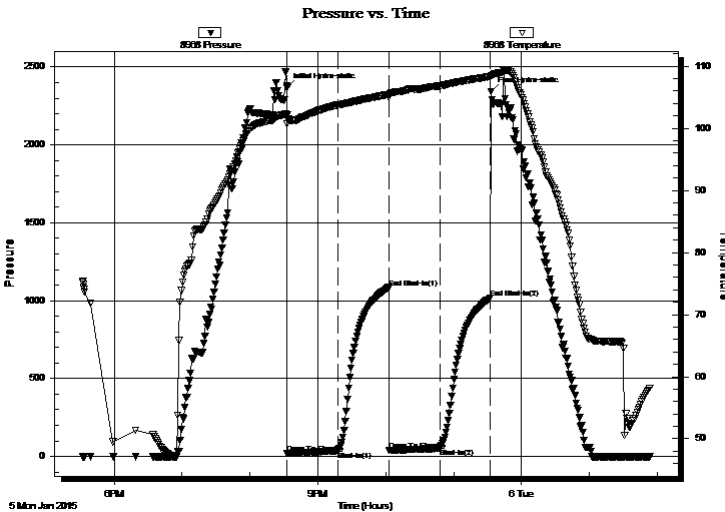
Serial #: 8968

Outside

Press@RunDepth: 51.16 psig @ 4679.00 ft (KB)
 Start Date: 2015.01.05 End Date: 2015.01.06
 Start Time: 17:32:05 End Time: 01:53:29
 Capacity: 8000.00 psig
 Last Calib.: 2015.01.06
 Time On Btm: 2015.01.05 @ 20:32:45
 Time Off Btm: 2015.01.05 @ 23:33:15

TEST COMMENT: IF: Weak surface blow -Built to 2 1/2"
 IS: No return
 FF: Weak surface blow throughout
 FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.94	102.15	Initial Hydro-static
1	19.28	100.78	Open To Flow (1)
46	35.43	103.78	Shut-In(1)
90	1081.33	105.45	End Shut-In(1)
90	37.94	104.89	Open To Flow (2)
135	51.16	106.83	Shut-In(2)
180	1015.25	108.31	End Shut-In(2)
181	2341.06	108.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	Mud 100m	0.90

* 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.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56590

DST#: 2

ATTN: Kevin Timson

Test Start: 2015.01.05 @ 17:32:00

Tool Information

Drill Pipe:	Length: 4673.00 ft	Diameter: 3.80 inches	Volume: 65.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 13000.00 lb
			<u>Total Volume: 65.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4677.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	106.00 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			4651.00	
Shut In Tool	5.00			4656.00	
Hydraulic tool	5.00			4661.00	
Jars	5.00			4666.00	
Safety Joint	2.00			4668.00	
Packer	5.00			4673.00	27.00 Bottom Of Top Packer
Packer	4.00			4677.00	
Stubb	1.00			4678.00	
Change Over Sub	1.00			4679.00	
Recorder	0.00	8969	Inside	4679.00	
Recorder	0.00	8968	Outside	4679.00	
Drill Pipe	63.00			4742.00	
Change Over Sub	1.00			4743.00	
Perforations	10.00			4753.00	
Bullnose	3.00			4756.00	79.00 Bottom Packers & Anchor

Total Tool Length: 106.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56590

DST#: 2

ATTN: Kevin Timson

Test Start: 2015.01.05 @ 17:32:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	Mud 100m	0.898

Total Length: 64.00 ft Total Volume: 0.898 bbl

Num Fluid Samples: 0

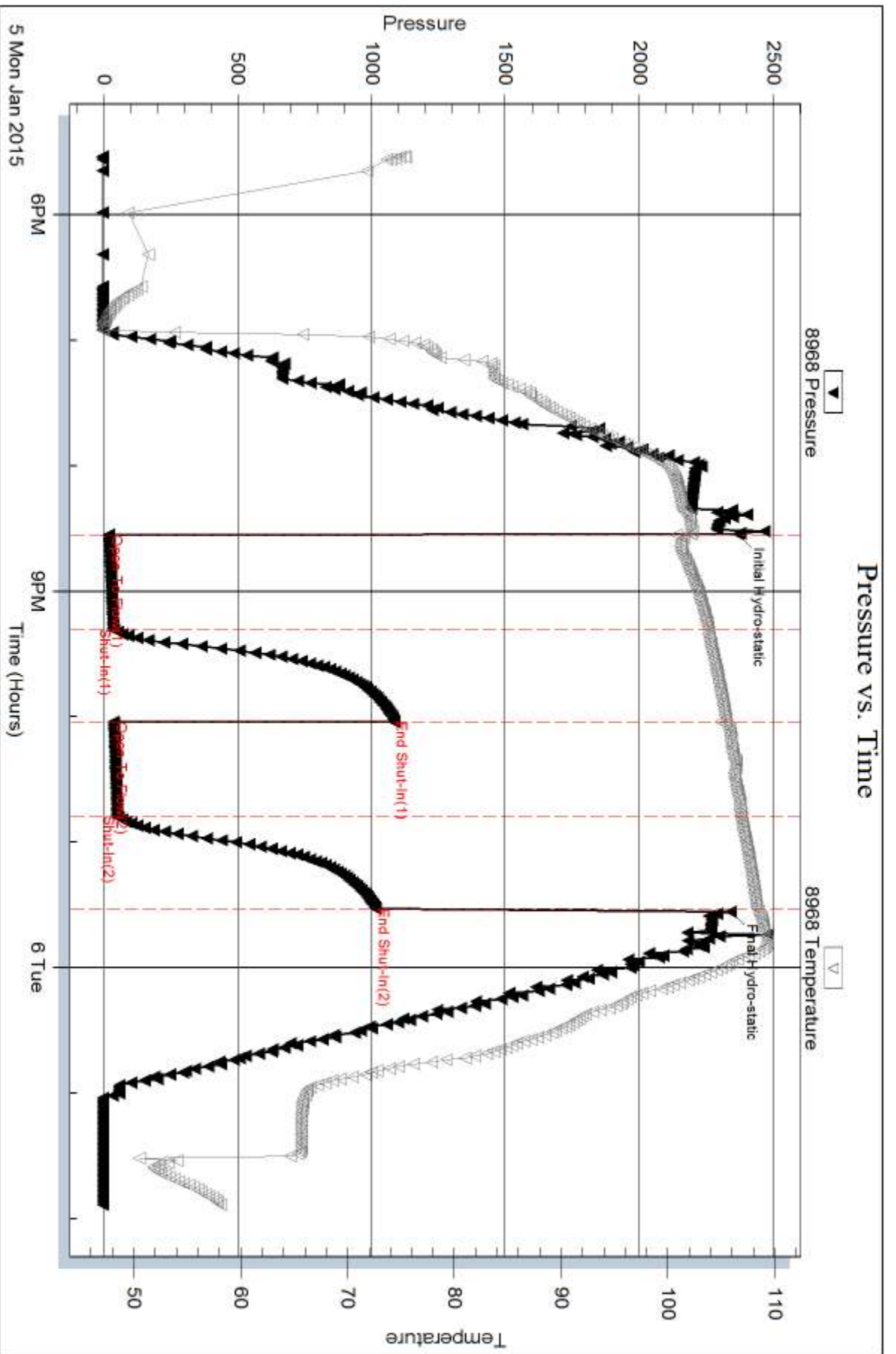
Num Gas Bombs: 0

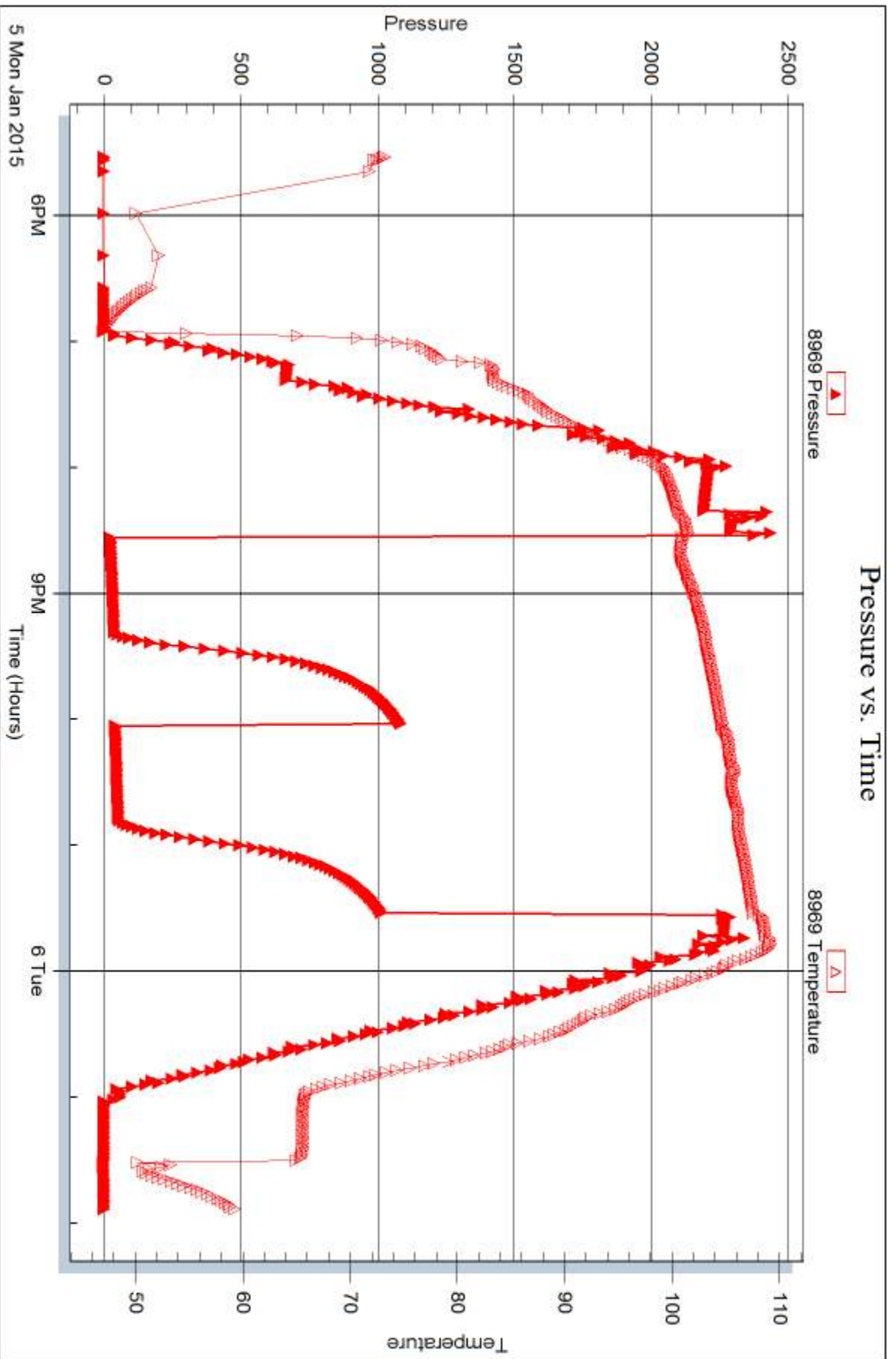
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

O'brate-Finney #3-5

5-23s-32w Finney,KS

Start Date: 2015.01.06 @ 09:29:00

End Date: 2015.01.06 @ 18:39:45

Job Ticket #: 56591 DST #: 3

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

Printed: 2015.01.08 @ 14:46:32



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

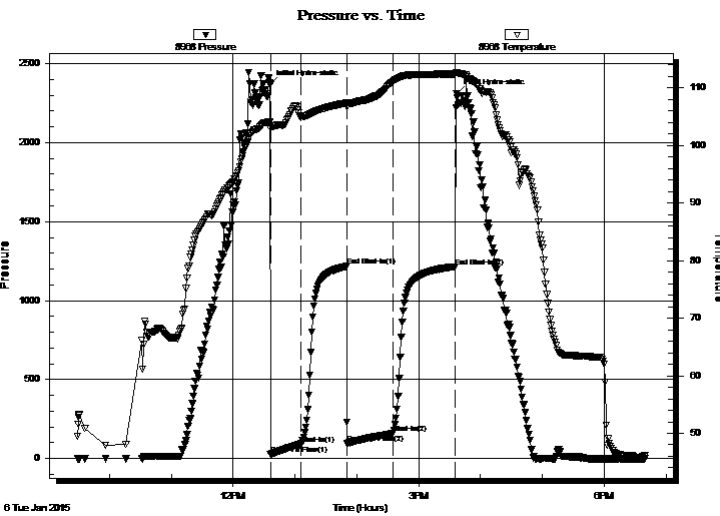
5-23s-32w Finney,KS
O'brate-Finney #3-5
 Job Ticket: 56591 **DST#: 3**
 Test Start: 2015.01.06 @ 09:29:00

GENERAL INFORMATION:

Formation: **Morrow/St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:36:00
 Time Test Ended: 18:39:45
 Interval: **4674.00 ft (KB) To 4780.00 ft (KB) (TVD)**
 Total Depth: 4780.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III
 Unit No: 44
 Reference Elevations: 2859.00 ft (KB)
 2848.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8968 Outside
 Press@RunDepth: 158.80 psig @ 4676.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.06 End Date: 2015.01.06 Last Calib.: 2015.01.06
 Start Time: 09:29:05 End Time: 18:39:45 Time On Btm: 2015.01.06 @ 12:35:45
 Time Off Btm: 2015.01.06 @ 15:37:00

TEST COMMENT: IF: B.o.b. in 20 min.-Weak G.T.S. in 25 min.-Too small to gauge
 IS: Bled off in 2 min.-Weak Surface blow back-Died in 10 min.
 FF: B.o.b. in 8 min.-Weak G.T.S in 30 min.-Too small to gauge
 FS: Bled off in 3 min.-Weak Surface blow back-Died in 5 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.28	104.03	Initial Hydro-static
1	25.48	102.88	Open To Flow (1)
31	89.26	105.14	Shut-In(1)
75	1217.06	107.37	End Shut-In(1)
75	93.52	107.08	Open To Flow (2)
120	158.80	111.15	Shut-In(2)
180	1215.04	112.39	End Shut-In(2)
182	2310.93	112.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
99.00	O & Gcm 2o 5g 93m	1.39
94.00	O & Gcm 5o 20g 75m	1.32
94.00	O & Gcm 20o 30g 50m	1.32

* 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.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56591

DST#: 3

ATTN: Kevin Timson

Test Start: 2015.01.06 @ 09:29:00

Tool Information

Drill Pipe:	Length: 4673.00 ft	Diameter: 3.80 inches	Volume: 65.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 13000.00 lb
			<u>Total Volume: 65.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4674.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	133.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4648.00	
Shut In Tool	5.00			4653.00	
Hydraulic tool	5.00			4658.00	
Jars	5.00			4663.00	
Safety Joint	2.00			4665.00	
Packer	5.00			4670.00	27.00 Bottom Of Top Packer
Packer	4.00			4674.00	
Stubb	1.00			4675.00	
Change Over Sub	1.00			4676.00	
Recorder	0.00	8969	Inside	4676.00	
Recorder	0.00	8968	Outside	4676.00	
Drill Pipe	95.00			4771.00	
Change Over Sub	1.00			4772.00	
Perforations	5.00			4777.00	
Bullnose	3.00			4780.00	106.00 Bottom Packers & Anchor

Total Tool Length: 133.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 56591

DST#: 3

ATTN: Kevin Timson

Test Start: 2015.01.06 @ 09:29:00

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
99.00	O & Gcm 2o 5g 93m	1.389
94.00	O & Gcm 5o 20g 75m	1.319
94.00	O & Gcm 20o 30g 50m	1.319

Total Length: 287.00 ft Total Volume: 4.027 bbl

Num Fluid Samples: 0

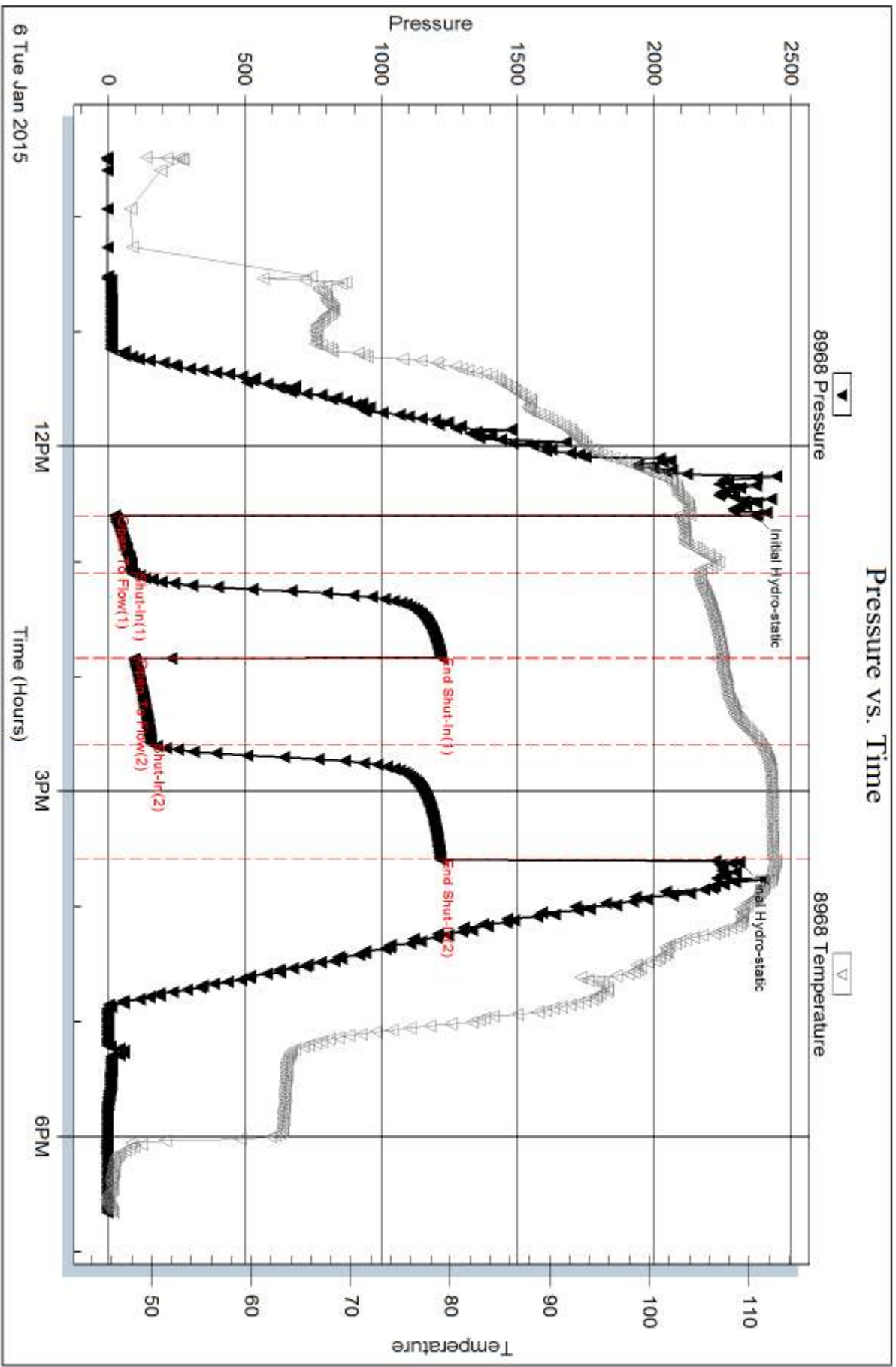
Num Gas Bombs: 0

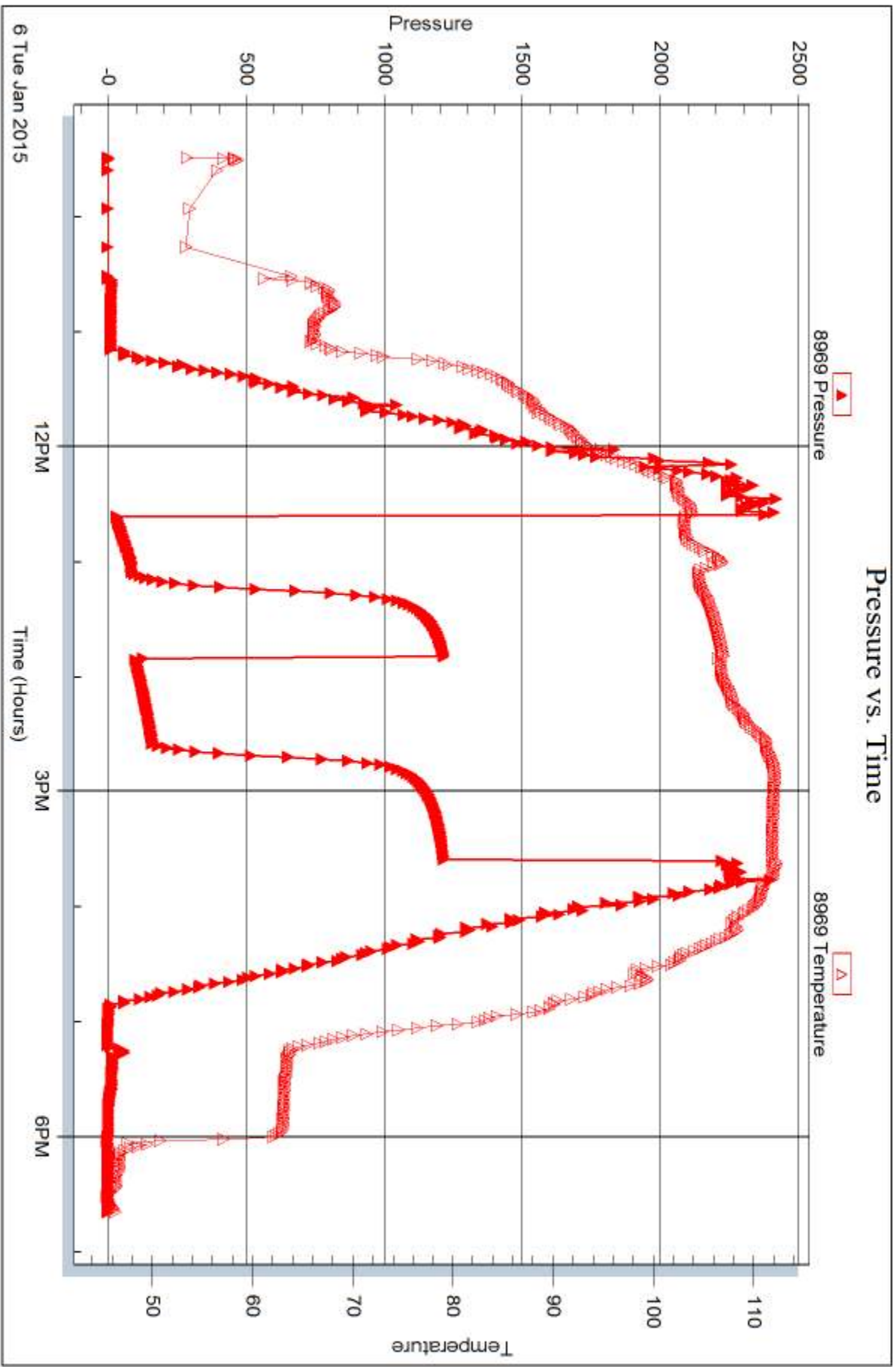
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

O'brate-Finney #3-5

5-23s-32w Finney,KS

Start Date: 2015.01.07 @ 17:20:15

End Date: 2015.01.08 @ 01:14:00

Job Ticket #: 58564 DST #: 4

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

Printed: 2015.01.08 @ 14:45:32



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

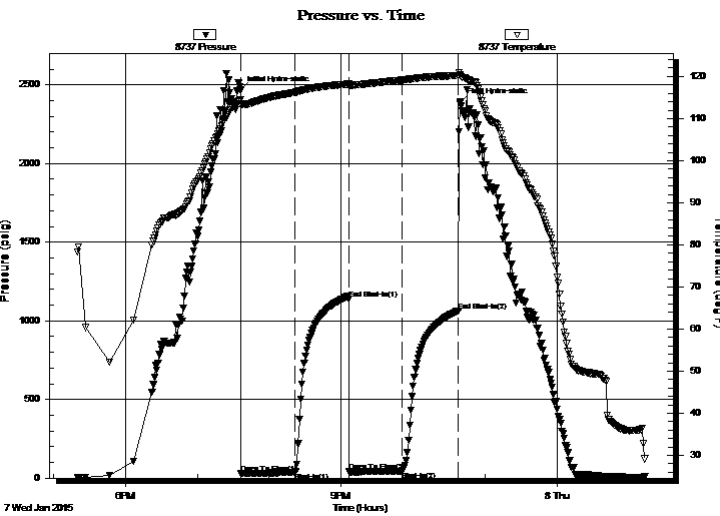
5-23s-32w Finney,KS
O'brate-Finney #3-5
Job Ticket: 58564 **DST#: 4**
Test Start: 2015.01.07 @ 17:20:15

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:36:15
Time Test Ended: 01:14:00
Interval: **4790.00 ft (KB) To 4834.00 ft (KB) (TVD)**
Total Depth: 4900.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Mike Roberts
Unit No: 65
Reference Elevations: 2859.00 ft (KB)
2848.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8737 Outside
Press@RunDepth: 45.33 psig @ 4796.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.07 End Date: 2015.01.08 Last Calib.: 2015.01.08
Start Time: 17:20:15 End Time: 01:14:00 Time On Btm: 2015.01.07 @ 19:36:00
Time Off Btm: 2015.01.07 @ 22:39:30

TEST COMMENT: IF: Built to 3" blow
IS: No return blow
FF: Built to 1 1/2" blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2466.68	114.44	Initial Hydro-static
1	31.61	113.27	Open To Flow (1)
46	37.01	116.23	Shut-In(1)
91	1139.51	118.17	End Shut-In(1)
91	40.30	117.73	Open To Flow (2)
135	45.33	119.14	Shut-In(2)
182	1064.88	120.23	End Shut-In(2)
184	2390.10	120.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.84

* 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.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 58564

DST#: 4

ATTN: Kevin Timson

Test Start: 2015.01.07 @ 17:20:15

Tool Information

Drill Pipe:	Length: 4767.00 ft	Diameter: 3.80 inches	Volume: 66.87 bbl	Tool Weight:	2500.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 66.87 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4790.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	111.00 ft				
Tool Length:	139.00 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			4763.00	
Shut In Tool	5.00			4768.00	
Hydraulic tool	5.00			4773.00	
Jars	5.00			4778.00	
Safety Joint	3.00			4781.00	
Packer	5.00			4786.00	28.00 Bottom Of Top Packer
Packer	4.00			4790.00	
Stubb	1.00			4791.00	
Perforations	4.00			4795.00	
Change Over Sub	1.00			4796.00	
Recorder	0.00	8846	Inside	4796.00	
Recorder	0.00	8737	Outside	4796.00	
Drill Pipe	31.00			4827.00	
Change Over Sub	1.00			4828.00	
Perforations	2.00			4830.00	
Blank Off Sub	1.00			4831.00	
Packer	3.00			4834.00	111.00 Tool Interval
Packer	0.00			4834.00	
Stubb	1.00			4835.00	
Perforations	0.00			4835.00	
Change Over Sub	1.00			4836.00	
Recorder	0.00	8646	Below	4836.00	
Drill Pipe	62.00			4898.00	
Change Over Sub	1.00			4899.00	
Bullnose	2.00			4901.00	1000138.00 Bottom Packers & Anchor

Total Tool Length: 139.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

5-23s-32w Finney,KS

PO Box 399
Garden City, KS 67846

O'brate-Finney #3-5

Job Ticket: 58564

DST#: 4

ATTN: Kevin Timson

Test Start: 2015.01.07 @ 17:20:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100%m	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

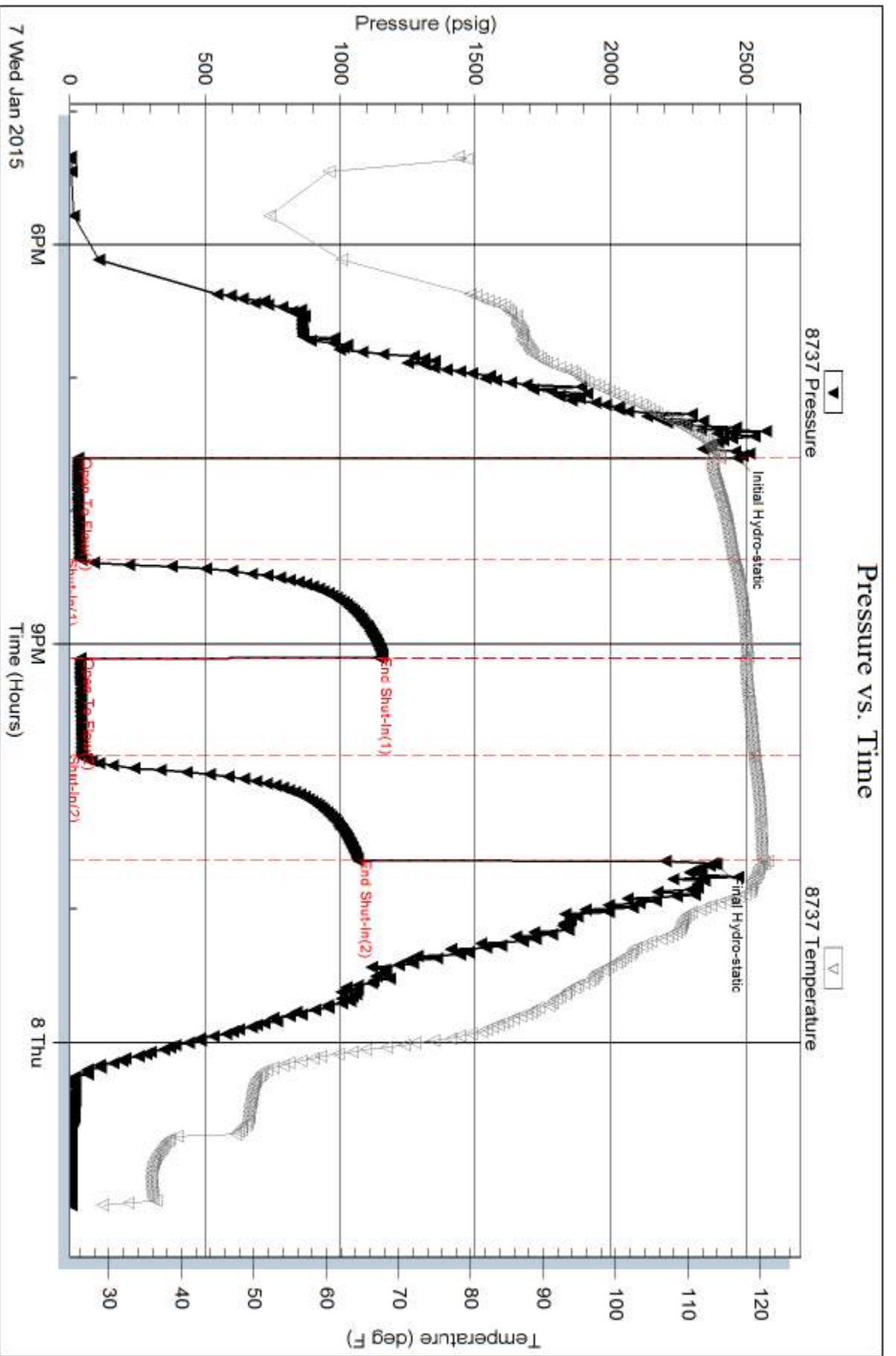
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

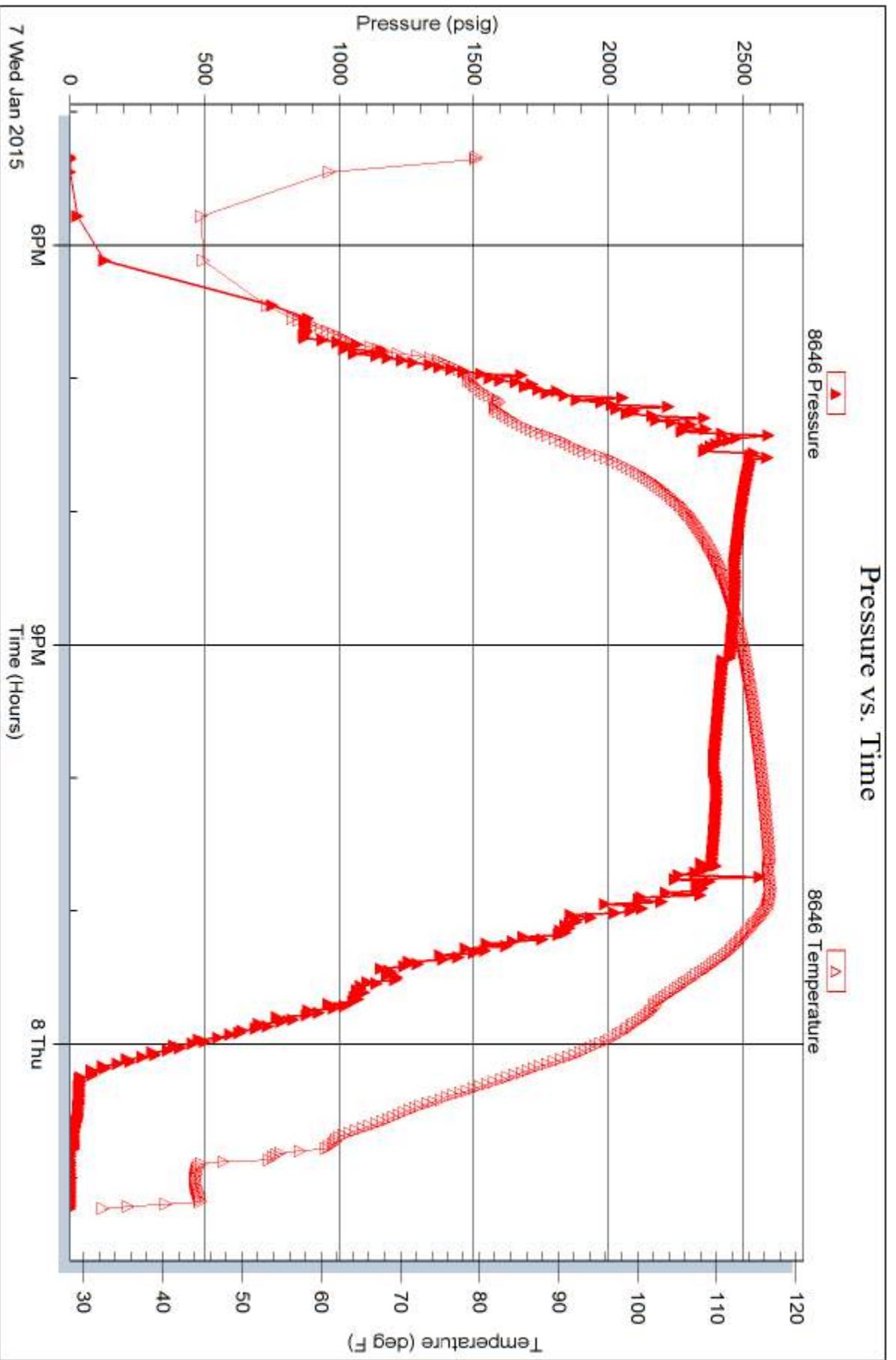


Serial #: 8646

Below (Strat)dejan Warrior Inc.

Obrate-Finney #3-5

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 58564

Printed: 2015.01.08 @ 14:45:33

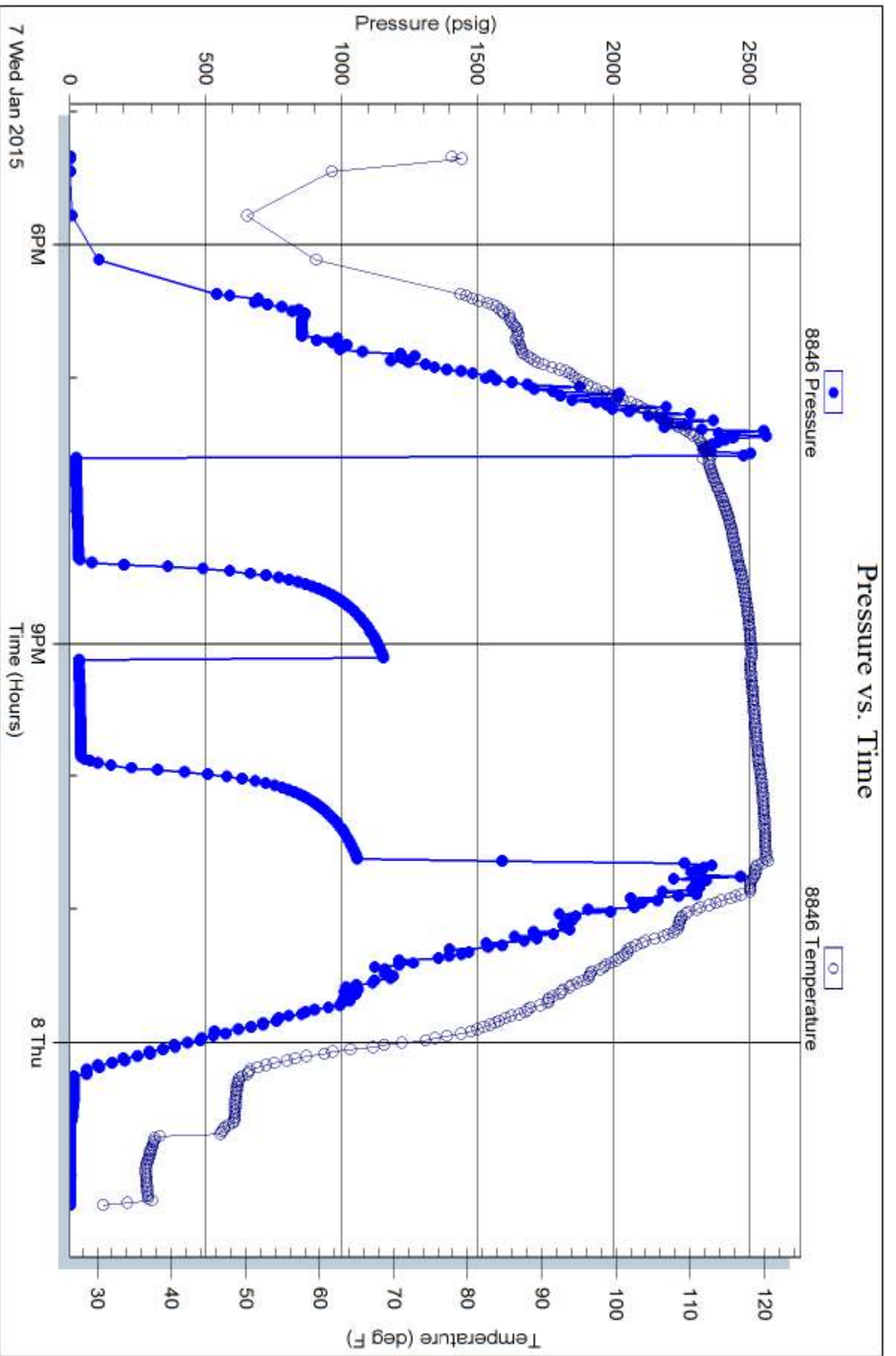
Serial #: 8846

Inside

American Warrior Inc.

Obrate-Finney #3-5

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 58564

Printed: 2015.01.08 @ 14:45:34



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56589**

4/10

Well Name & No. O'Brate Finney #3-5 Test No. 1 Date 1-4-14
 Company American Warrior Inc. Elevation 2859 KB 2848 GL
 Address 3118 Cummings Rd - Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #10
 Location: Sec. 5 Twp. 23-S Rge. 32-W Co. Finney State Ks

Interval Tested 4676-4727 Zone Tested ~~23-S~~ Morrow
 Anchor Length 51' Drill Pipe Run 4673 Mud Wt. 9.5
 Top Packer Depth 4672 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 4676 Wt. Pipe Run 0 WL 8.0
 Total Depth 4727 Chlorides 2400 ppm System LCM #15

Blow Description IF: Weak surface blow - Built to 1/2 in Blow
IST: No Return
FF: No Blow
FSI: No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2370</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>19:45</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:09</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>03:10</u>
(D) Initial Shut-In <u>32</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C 1.75 140</u>	T-Pulled <u>05:10</u>
(E) Second Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2hrs over allotted time</u>	T-Out <u>07:45</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>88 RIT</u>	Comments _____
(G) Final Shut-In <u>26</u>	<input type="checkbox"/> Sampler <u>62</u>	
(H) Final Hydrostatic <u>2340</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1677</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1677</u>	

Initial Open 30
 Initial Shut-In 30
 Final Flow 1150+250+75+62+
 Final Shut-In 30

Approved By _____ Our Representative Adrian Clark

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. 56590

4/10

Well Name & No. O'Brate - Finney #3-5 Test No. 2 Date 1-5-14
 Company American Warrior Inc. Elevation 2859 KB 2848 GL
 Address 3118 Cummings Rd. - Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #10
 Location: Sec. 5 Twp. 23-S Rge. 32-W Co. Finney State KS

Interval Tested 4677-4756 Zone Tested Morrow
 Anchor Length 79' Drill Pipe Run 4673' Mud Wt. 9.4
 Top Packer Depth 4673 Drill Collars Run Ø Vis 51
 Bottom Packer Depth 4677 Wt. Pipe Run Ø WL 8.8
 Total Depth 4756 Chlorides 3500 ppm System LCM #1 1/2
 Blow Description IF: Weak surface blow - Built to 2 1/2 in of Blow
ISI: No Return
FF: Weak surface ^{blow} throughout open.
FSI: No Return

Rec	Feet of	%gas	%oil	%water	%mud

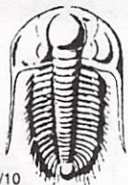
Rec Total 864 BHT 109 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2367</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>17:30</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:32</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:33</u>
(D) Initial Shut-In <u>1081</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>23:33</u>
(E) Second Initial Flow <u>38</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>01:54</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>62</u>	Comments _____
(G) Final Shut-In <u>1015</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2341</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1537</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1537</u>	

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

Approved By _____ Our Representative Albert C. [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. **56591**

4/10

Well Name & No. O'Brade-Finney #3-5 Test No. 3 Date 1-6-2015
 Company AWI Elevation 2859 KB 2848 GL
 Address 308 Cummings Rd. - Garden City, KS 67846
 Co. Rep / Geo. Kevin Tomson Rig Duk #10
 Location: Sec. 5 Twp. 23-S Rge. 32-W Co. Finney State KS

Interval Tested 4674-4780 Zone Tested Morrow / St Louis
 Anchor Length 106 Drill Pipe Run 4673 Mud Wt. 9.4
 Top Packer Depth 4670 Drill Collars Run 8 Vis 51
 Bottom Packer Depth 4674 Wt. Pipe Run 8 WL 8.8
 Total Depth 4780 Chlorides 3500 ppm System LCM 1 1/2

Blow Description IF Bob in 20 min - Weak G.T.S. in 25 min - Too small to gauge
ISI: Bled off in 2 min - Weak surface blowback - Died in 10 min.
FF: B.o.b. in 8 min - Weak G.T.S. in 30 min. - Too small to gauge
FST Bled off in 3 min - Weak surface blowback - Died in 5 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>99</u>	<u>0 + Gcm</u>	<u>5</u>	<u>2</u>	<u>93</u>	<u>93</u>
<u>94</u>	<u>0 + Gcm</u>	<u>20</u>	<u>5</u>	<u>75</u>	<u>75</u>
<u>94</u>	<u>0 + Gcm</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
	<u>G.T.S. (weak)</u>				
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 287 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2369 Test 1150 T-On Location 9:25
 (B) First Initial Flow 25 Jars 250 T-Started 9:29
 (C) First Final Flow 89 Safety Joint 75 T-Open 12:36
 (D) Initial Shut-In 1217 Circ Sub _____ T-Pulled 15:36
 (E) Second Initial Flow 94 Hourly Standby _____ T-Out 18:40
 (F) Second Final Flow 159 Mileage 68 Comments Stayed in Motel
 (G) Final Shut-In 1215 Sampler _____ 1 night
 (H) Final Hydrostatic 2311 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1537
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1537

Approved By _____ Our Representative Colbert CLT

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. 58564

Well Name & No. Brake ~~222~~ Finney #3-5 Test No. 4 Date 1-7-19
 Company American Warrior Inc Elevation 2859 KB 2846 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 10
 Location: Sec. 5 Twp. 23S Rge. 32W Co. Finney State KS

Interval Tested 4790-4834 TD 4900 Zone Tested Morrow
 Anchor Length 44' Tailpipe lgle Drill Pipe Run 4767 Mud Wt. 9.5
 Top Packer Depth 4785 Drill Collars Run Ø Vis 47
 Bottom Packer Depth 4790 Wt. Pipe Run Ø WL 8.8
 Total Depth 4900 Chlorides 5600 ppm System LCM 2
 Blow Description IF: Built to 3" Blow
IS: NO Return Blow
FF: Built to 1 1/2" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic <u>2464</u>	<input checked="" type="checkbox"/> Test <u>1150</u> <u>1250.00</u>	T-On Location <u>15:13</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>17:20</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>19:35</u>
(D) Initial Shut-In <u>1139</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>22:35</u>
(E) Second Initial Flow <u>40</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>01:14</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT \$96.10/-</u>	Comments _____
(G) Final Shut-In <u>1064</u>	<input type="checkbox"/> Sampler <u>62</u>	
(H) Final Hydrostatic <u>2390</u>	<input checked="" type="checkbox"/> Straddle <u>\$600.00</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>2137.00</u>
	<input type="checkbox"/> Accessibility <u>2137.00</u>	MP/DST Disc't _____
	Sub Total <u>\$2271.10/-</u>	

Approved By _____ Our Representative Mike Roberts

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Geological Report

American Warrior, Inc.

O'Brate-Finney #3-5

2178' FSL & ' FEL

Sec. 5, T23s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
O'Brate-Finney #3-5
2178' FSL & 2165' FWL
Sec. 5, T23s, R32w
Finney County, Kansas
API # 15-055-22370-00-00

Drilling Contractor: Duke Drilling Co. Rig #10

Geologist: Kevin Timson

Spud Date: December 29, 2014

Completion Date: January 8, 2015

Elevation 2848' G.L.
2859' K.B.

Directions: From Garden City, KS, go North on Hwy 83 5 miles to Six Mile Rd. Go East a half mile to Third St. Go North 1 mile and East into.

Casing: 1638' 8 5/8" #24 Surface Casing

Samples: 4300' to RTD 10' Wet & Dry

Drilling Time: 3750' to RTD

Electric Logs: Pioneer Energy Services "D. Kerr"
Stack-Mirco

Drillstem Tests: Four-Trilobite Testing "Corndog"

Problems: None

Formation Tops
O'Brate-Finney #3-5
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2178' FSL & 2165' FEL

Anhydrite	1929' +930
Base	1999' +860
Heebner	3852' -993
Lansing	3901' -1042
Stark	4239' -1380
Bkc	4382' -1523
Marmaton	4410' -1551
Pawnee	4486' -1627
Fort Scott	4511' -1652
Cherokee	4529' -1670
Morrow	4697' -1838
Miss	4772' -1913
RTD	4900' -2041
LTD	4899' -2040

Sample Zone Descriptions

Morrow (4697', -1838): Covered in DST #1, #2, #3

Ss. Grey. Glauconitic. Fine to coarse grain. Well to poorly cemented. Well rounded. Well sorted. Poor to fair stain. Poor saturation. Show of free oil when broken. Poor odor. 15 unit gas kick.

St. Louis (4772', -1913): Covered in DST #3 & #4

Ls. Tan. Sub crystalline. Fair to good oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. Show of free oil when broken. Fair odor. 80 Unit kick.

Drill Stem Tests
 Trilobite Testing
 “Corndog & Mike Roberts”

DST #1

Morrow

Interval (4676' - 4727') Anchor Length 51'

IHP	-2370 #	
IFP	- 30" – WSB built to 1/8"	17-19 #
ISI	- 30" – No Return	32 #
FFP	- 30" – No blow	19-20 #
FSIP	- 30" - No return	26 #
FHP	- 2340 #	
BHT	- 113° F	
Recovery:	5' Mud	

DST #2

Morrow

Interval (4677' - 4756') Anchor Length 79'

IHP	- 2367 #	
IFP	-45" - WSB built to 2.5"	19-35 #
ISI	-45" - No return	1081 #
FFP	- 45" - WSB	38-51 #
FSIP	- 45" - No return	1015 #
FHP	- 2341 #	
BHT	- 109° F	
Recovery:	64' Mud	

DST #3

Morrow/St. Louis

Interval (4674' - 4780') Anchor Length 106'

IHP	- 2369 #	
IFP	- 30" - BOB in 20 min GTS 25 min	25-89#
ISI	- 45" - WSB died in 10 min	1217 #
FFP	- 45" - BOB in 8 min GTS 30 min	94-159 #
FSIP	- 60" - WSB died in 5 min	1215 #
FHP	- 2311 #	
BHT	- 113° F	
Recovery:	99' O & GCM (2% Oil)	
	94' O & GCM (5% Oil)	94' O & GCM (20% Oil)

DST #4

St. Louis

Interval (4790' - 4834') Anchor 44' Tail Pipe: 66

IHP - 2466 #

IFP - 45" - WSB built to 3" 31-37 #

ISI - 45" - No return 1139 #

FFP - 45" - WSB built to 1.5" 40-45 #

FSIP - 45" - No return 1064 #

FHP - 2390 #

BHT - NA

Recovery: 60' Mud

Structural Comparison

	American Warrior, Inc. O'Brate-Finney #3-5 Sec. 5, T23s, R32w 2178' FSL & 2165' FWL		American Warrior, Inc.		American Warrior, Inc.
Formation			O'Brate-Finney #2-5		O'Brate-Finney #1-5
			Sec. 5, T23s, R32w		Sec 5, T23s, R32w
			790' FSL & 1440' FEL		742' FSL & 2310' FWL
Heebner	3852' -993	-8	3847' -985	-24	3829' -969
Lansing	3901' -1042	-8	3896' -1034	-25	3877' -1017
Stark	4239' -1380	-12	4230' -1368	-28	4212' -1352
BKC	4382' -1523	-18	4367' -1505	-33	4350' -1490
Marmaton	4410' -1551	-22	4391' -1529	-36	4375' -1515
Pawnee	4486' -1627	-21	4468' -1606	-38	4449' -1589
Fort Scott	4511' -1652	-24	4490' -1628	-40	4472' -1612
Cherokee	4529' -1670	-27	4505' -1643	-39	4491' -1631
Morrow	4697' -1838	-34	4666' -1804	-40	4658' -1798
Miss	4772' -1913	-73	4702' -1840	-96	4677' -1817

Summary

The location for the O'Brate-Finney #3-5 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stem tests were conducted, which did not recover commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the O'Brate-Finney #3-5 well.

