

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1243563

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

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: _____



1243563

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 (Attach Additional Sheets)	☐ Yes ☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☐ No			
Electric Log Run	☐ Yes ☐ No			
List All E. Logs Run:				

CASING RECORD ☐ New ☐ 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
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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 (Amount and Kind of Material Used)		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: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Six M 4-23
Doc ID	1243563

Tops

Name	Top	Datum
Anhy	1971	+965
B/Anhy	2035	+901
Heebner	3817	-876
Lansing	3881	-940
B/KC	4337	1396
Marmaton	4361	-1420
Pawnee	4462	-1521
Ft.Scott	4490	-1549
Cherokee	4498	-1557
Morrow	4700	-1759
Mississippian	4785	-1844

CEMENTING LOG

Date 2/2/2015 District Liberal # 21 Ticket No. 65424
 Company American Warrior Rig Duke #5
 Lease Six M Well No 4-23
 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 _____

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 0.01422 LIN. FT/BBL _____
 Annulus BBLS/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 LEAD: Time _____ hrs. Type Allied 60/40 Poz
4% Premium Gel, 0.125 lb/sk flo seal Excess _____
 Amt. 210 Sks Yield 1.5 ft³/sk Density 13.5 PPG
 TAIL: Time _____ hrs. Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 7.5 Gal/sk Tail _____ Gal/sk Total 28 BBLs

Pump Trucks Used: 530-484

Bulk Equipment 956-841

Float Equipment: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment _____
 Disp: Fluid Type H2O & Mud Amt _____ bbls Weight _____ PPG
 Mud Type _____ Weight 9.5

COMPANY REPRESENTATIVE _____

CEMENTER _____

Edgar A. Rodriguez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN
6:00 pm						Arrive on location
6:00						Spot equipment and rig up
6:00						Rig done going in with drillpipe
6:55						Safety meeting
7:13						1st plug @1780'
7:17		130		13		3
7:25		90		21		3
7:32						21 bbls of mud displacement
8:12						Come out of hole with drillpipe
8:15		90		13		3
8:21		90		12		3
8:25						12 bbls of water displacement
9:00						Come out of hole with drillpipe
9:03		90		10.5		3
9:08		90		4.5		3
9:11						4.5 bbls of water displacement
9:39						Come out of hole with drillpipe
9:42		90		5		3
9:44						20 sks of cmt (5 bbls @13.5)
9:51						Come out of hole with drillpipe
9:54		90		13		2
10:09						Rat & Mouse hole
10:30						50 sks of cmt (13 bbls @13.5)
10:45						Shutdown / Clean lines and truck
11:30 pm						End job
						Rig down equipment
						Crew leave location

FINAL DISP. PRESS. Na PSI BUMP PLUG TO Na PSI BLEEDBACK Na BBLs THANK YOU

CEMENTING LOG

Date	<u>1/29/2015</u>	District	<u>Liberal # 21</u>	Ticket No.	<u>65418</u>
Company	<u>American Warrior</u>			Rig	<u>Duke 5</u>
Lease	<u>Six M</u>			Well No	<u>4-23</u>
County	<u>Finney</u>			State	<u>Ks</u>

Location _____

Field _____

Casing Data	☐ Conductor	☐ PTA	☐ Squeeze	☐ Misc.
	☒ Surface	☐ Intermediate	☐ Production	☐ Liner

Size	8 5/8	Type	Weight	24#	Collar
------	-------	------	--------	-----	--------

Casing Depths	Top	Bottom	1752.32
---------------	-----	--------	---------

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	0.0636	LIN. FT/BBL	
Open Holes	BBLS/LIN. FT		LIN. FT/BBL	13.6037
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		Water		
Amt.	Sks Yield	ft ³ /sk Density	8.33	PPG

LEAD: Time _____ hrs. Type ALWC Class A
6% gel. 0.5 lbs/sk flo-seal. 3% calcium chloride Excess 100%

Amt.	625	Sks	Yield	2	ft ³ /sk	Density	12.46	PPG
TAIL:	Time		hrs.	Type	Class A Common			

3% calcium chloride, 0.25#/sk flo-seal						Excess	100%	
Amt.	200	Sks	Yield	1.2	ft ³ /sk	Density	15.6	PPG
WATER	Lead	10.9	Gal/sk	Tail	5.2	Gal/sk	Total 187	BBLS

Pump Trucks Used: 531-541

Bulk Equipment 868-467

774-744

Float Equipment: Manufacturer

Shoe: Type	REGULAR GUIDE SHOE	Depth
------------	--------------------	-------

Float: Type	AFU FLOAT VALVE	Depth
-------------	-----------------	-------

Centralizers:	Quantity	1	Plugs Top	1	Bottom
---------------	----------	---	-----------	---	--------

Stage Collars	Cement Basket
---------------	---------------

Special Equipment

Disp:	Fluid Type	FRESH WATER	Amt	109	bbls	Weight	8.33	PPG
-------	------------	--------------------	-----	------------	------	--------	-------------	-----

Mud Type	Weight
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

COMPANY REPRESENTATIVE	CEMENTER	Edgar A. Rodriguez
------------------------	----------	--------------------

[illegible]

FINAL DISP. PRESS. **530** PSI BUMP PLUG TO **1170** PSI BLEEDBACK **1/4** BBLS **THANK YOU**



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

Six M #4 23

23-22s-34w Finney,KS

Start Date: 2015.02.03 @ 16:24:15

End Date: 2015.02.04 @ 00:51:45

Job Ticket #: 58571 DST #: 1

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

Printed: 2015.02.09 @ 14:16:54



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58571

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.02.03 @ 16:24:15

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:10:00

Time Test Ended: 00:51:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4202.00 ft (KB) To 4246.00 ft (KB) (TVD)

Total Depth: 4246.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846 Inside

Press@RunDepth: 613.79 psig @ 4208.00 ft (KB)

Start Date: 2015.02.03

End Date:

2015.02.04

Start Time: 16:24:15

End Time:

00:51:45

Capacity: 8000.00 psig

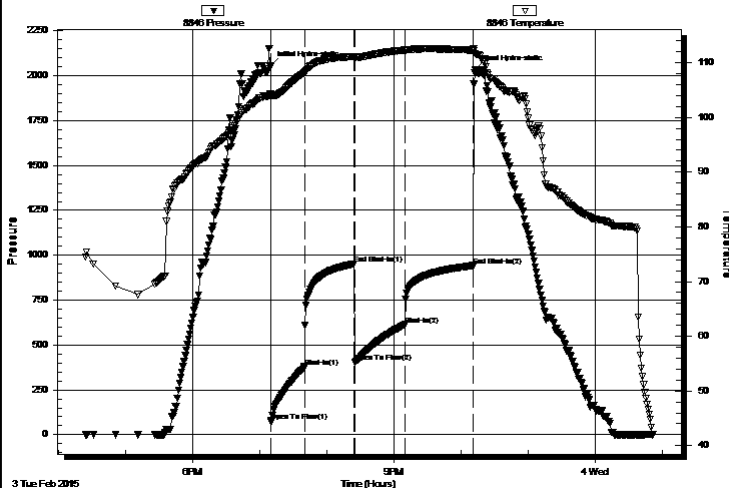
Last Calib.: 2015.02.04

Time On Btm: 2015.02.03 @ 19:09:45

Time Off Btm: 2015.02.03 @ 22:12:30

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 6 min.
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2054.72	104.35	Initial Hydro-static
1	74.33	103.69	Open To Flow (1)
31	378.02	108.22	Shut-In(1)
75	952.08	111.12	End Shut-In(1)
76	402.26	111.02	Open To Flow (2)
120	613.79	112.30	Shut-In(2)
182	942.46	112.28	End Shut-In(2)
183	2033.17	111.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
472.00	mcs w 50% m 50% sw	4.36
992.00	mcs w 20% m 80% sw	13.92

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58571

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.02.03 @ 16:24:15

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:10:00

Time Test Ended: 00:51:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4202.00 ft (KB) To 4246.00 ft (KB) (TVD)

Total Depth: 4246.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4208.00 ft (KB)

Start Date: 2015.02.03

End Date:

2015.02.04

Start Time: 16:24:15

End Time:

00:51:45

Capacity: 8000.00 psig

Last Calib.:

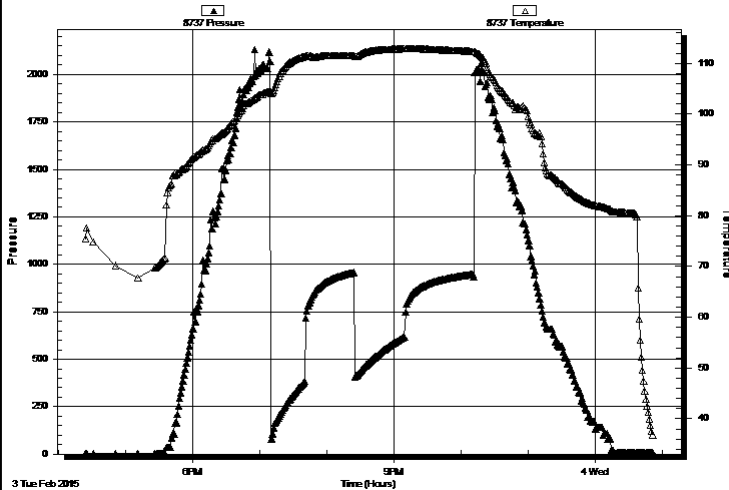
2015.02.04

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 6 min.
FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
472.00	mcs w 50% m 50% sw	4.36
992.00	mcs w 20% m 80% sw	13.92

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58571

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.02.03 @ 16:24:15

Tool Information

Drill Pipe:	Length:	3932.00 ft	Diameter:	3.80 inches	Volume:	55.16 bbl	Tool Weight:	1500.00 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:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	56.38 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:		4202.00 ft					Final	73000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		44.00 ft						
Tool Length:		72.00 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		4175.00	
Shut In Tool	5.00		4180.00	
Hydraulic tool	5.00		4185.00	
Jars	5.00		4190.00	
Safety Joint	3.00		4193.00	
Packer	5.00		4198.00	28.00 Bottom Of Top Packer
Packer	4.00		4202.00	
Stubb	1.00		4203.00	
Perforations	5.00		4208.00	
Recorder	0.00	8846 Inside	4208.00	
Recorder	0.00	8737 Outside	4208.00	
Change Over Sub	1.00		4209.00	
Drill Pipe	31.00		4240.00	
Change Over Sub	1.00		4241.00	
Perforations	0.00		4241.00	
Bullnose	5.00		4246.00	44.00 Bottom Packers & Anchor
Total Tool Length:	72.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58571

DST#: 1

ATTN: Luke Thompson

Test Start: 2015.02.03 @ 16:24:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.75 in³

Resistivity: 0.00 ohm.m

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

16000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
472.00	mcsw 50%m 50%sw	4.362
992.00	mcsw 20%m 80%sw	13.915

Total Length: 1464.00 ft Total Volume: 18.277 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .75 @ 40.1= 16,000 ppm

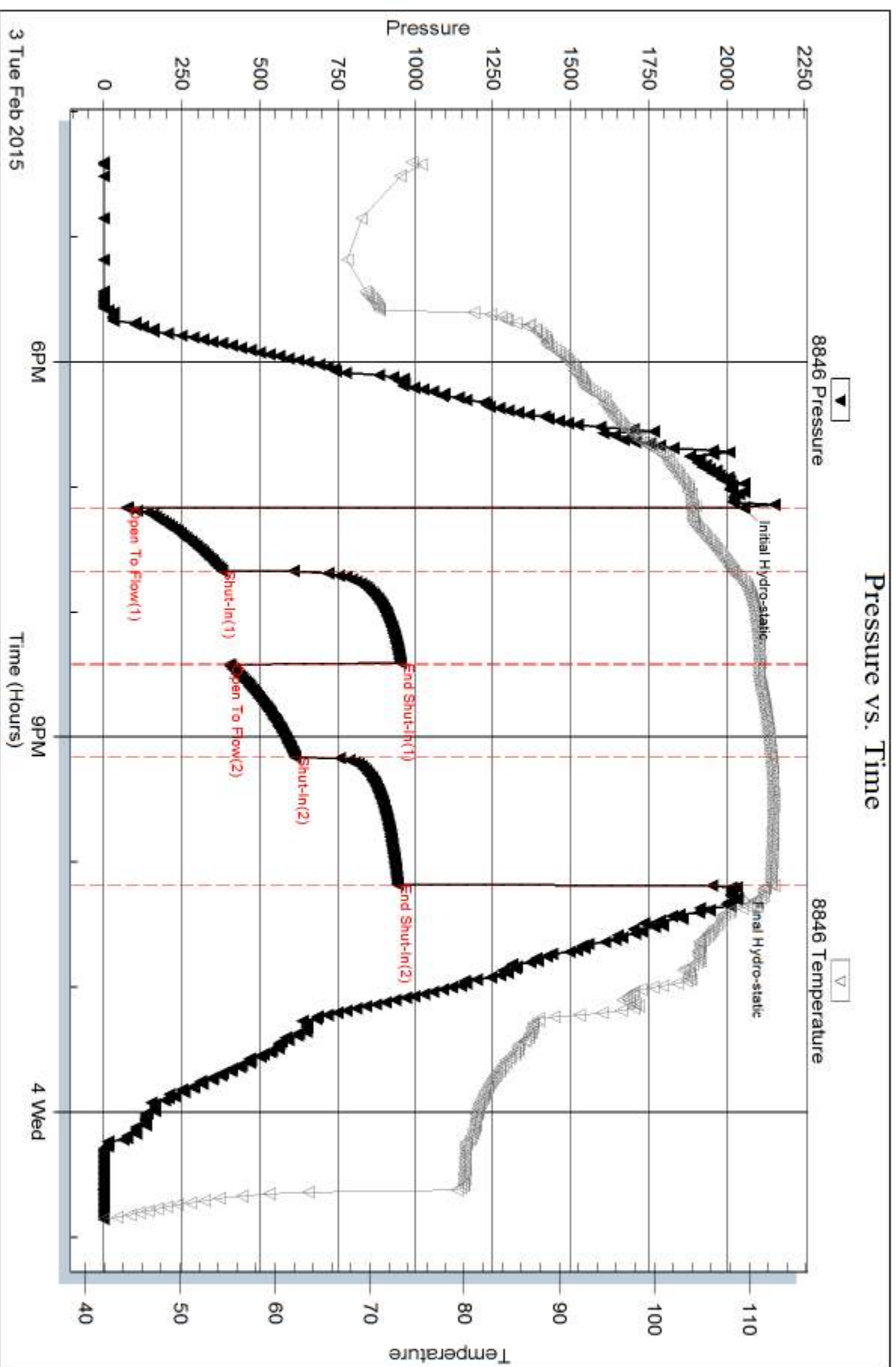
Serial #: 8846

Inside

American Warrior Inc.

Six M#4 23

DST Test Number: 1

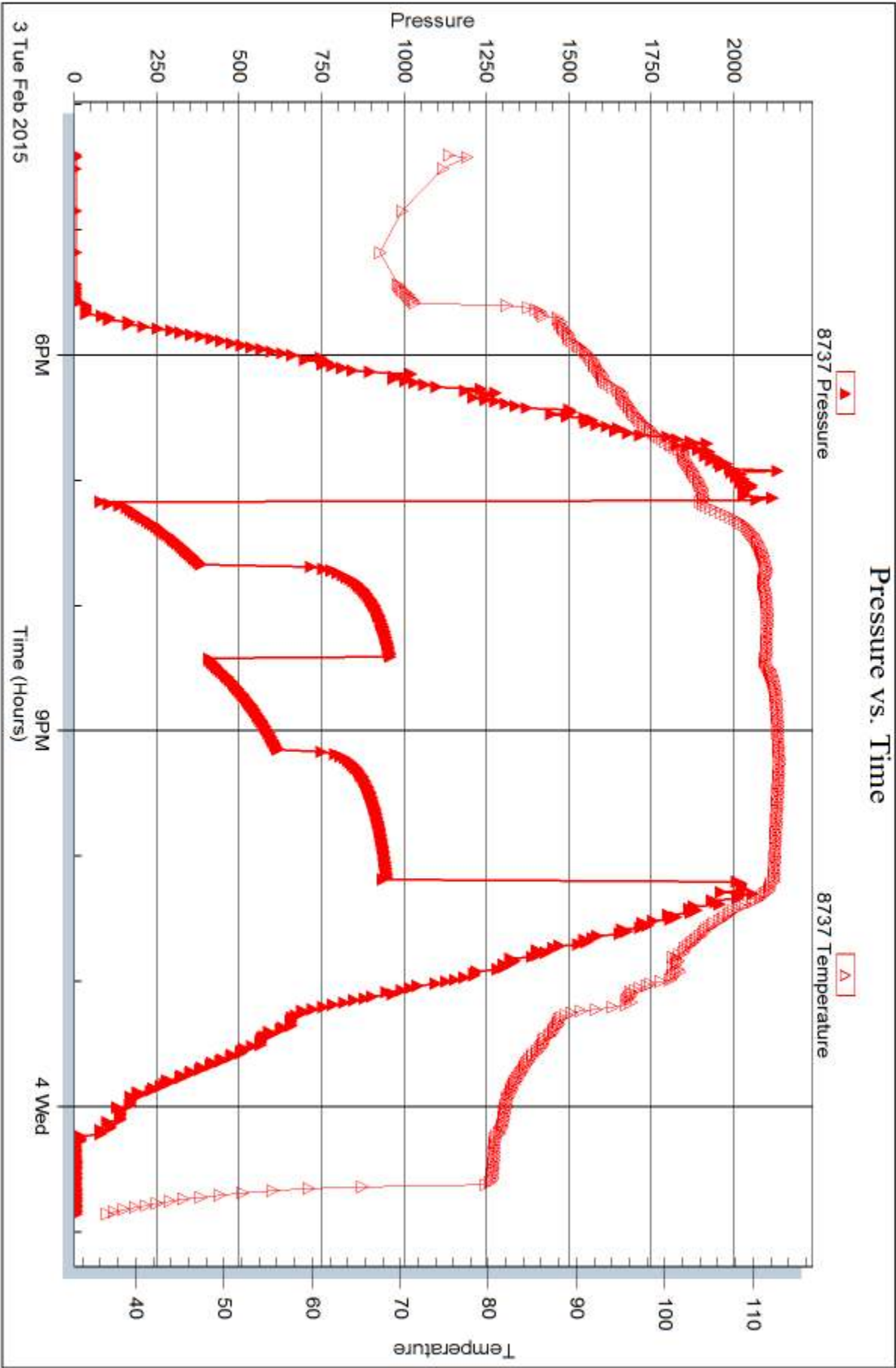


Serial #: 8737

Outside American Warrior Inc.

Six M #4 23

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

Six M #4 23

23-22s-34w Finney,KS

Start Date: 2015.02.04 @ 20:56:15

End Date: 2015.02.05 @ 03:18:30

Job Ticket #: 58572 DST #: 2

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

Printed: 2015.02.09 @ 14:16:25



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58572

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.02.04 @ 20:56:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:45

Time Test Ended: 03:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4375.00 ft (KB) To 4409.00 ft (KB) (TVD)

Total Depth: 4409.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846 Inside

Press@RunDepth: 199.61 psig @ 4404.00 ft (KB)

Start Date: 2015.02.04

End Date:

2015.02.05

Start Time: 20:56:15

End Time:

03:18:30

Capacity: 8000.00 psig

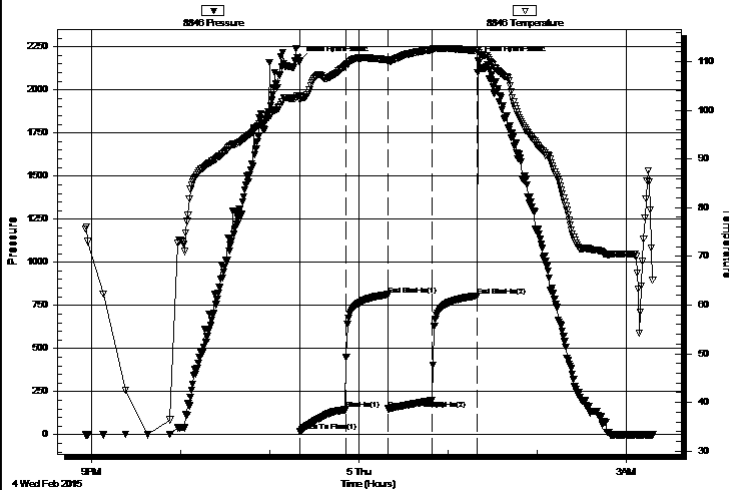
Last Calib.: 2015.02.05

Time On Btm: 2015.02.04 @ 23:20:30

Time Off Btm: 2015.02.05 @ 01:20:30

TEST COMMENT: IF: Built to 9" blow
IS: No return blow
FF: Built to 5" blow
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.21	103.04	Initial Hydro-static
1	21.08	102.13	Open To Flow (1)
31	145.94	109.13	Shut-In(1)
59	812.69	110.31	End Shut-In(1)
60	150.15	110.04	Open To Flow (2)
90	199.61	112.45	Shut-In(2)
119	805.13	112.23	End Shut-In(2)
120	2170.42	112.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 10% m 90% w	1.22
124.00	w cm 30% w 70% m	1.74
62.00	gcow m 1% g 1% o 48% w 50% m	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58572

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.02.04 @ 20:56:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:45

Time Test Ended: 03:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4375.00 ft (KB) To 4409.00 ft (KB) (TVD)

Total Depth: 4409.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4404.00 ft (KB)

Start Date: 2015.02.04

End Date:

2015.02.05

Start Time: 20:56:15

End Time:

03:18:30

Capacity: 8000.00 psig

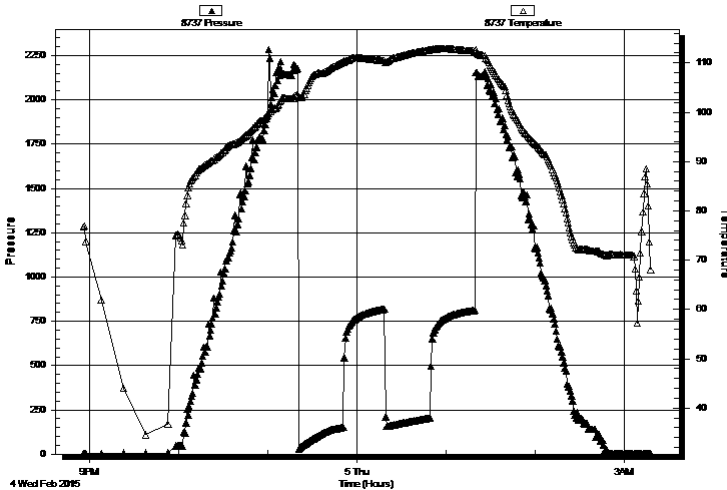
Last Calib.: 2015.02.05

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Built to 9" blow
IS: No return blow
FF: Built to 5" blow
FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
248.00	mcw 10% m 90% w	1.22
124.00	w cm 30% w 70% m	1.74
62.00	gcow m 1% g 1% o 48% w 50% m	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58572

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.02.04 @ 20:56:15

Tool Information

Drill Pipe:	Length:	4119.00 ft	Diameter:	3.80 inches	Volume:	57.78 bbl	Tool Weight:	1500.00 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:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	59.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	70000.00 lb
Depth to Top Packer:		4375.00 ft					Final	72000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		34.00 ft						
Tool Length:		62.00 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		4348.00	
Shut In Tool	5.00		4353.00	
Hydraulic tool	5.00		4358.00	
Jars	5.00		4363.00	
Safety Joint	3.00		4366.00	
Packer	5.00		4371.00	28.00 Bottom Of Top Packer
Packer	4.00		4375.00	
Stubb	1.00		4376.00	
Perforations	28.00		4404.00	
Recorder	0.00	8846 Inside	4404.00	
Recorder	0.00	8737 Outside	4404.00	
Bullnose	5.00		4409.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58572

DST#: 2

ATTN: Luke Thompson

Test Start: 2015.02.04 @ 20:56:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.58 in³

Resistivity: 0.00 ohm.m

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

0 deg API

Water Salinity:

17000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	mcw 10%m 90%w	1.220
124.00	w cm 30%w 70%m	1.739
62.00	gcow m 1%g 1%o 48%w 50%m	0.870

Total Length: 434.00 ft

Total Volume: 3.829 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .69 @39.7*= 17,000 ppm

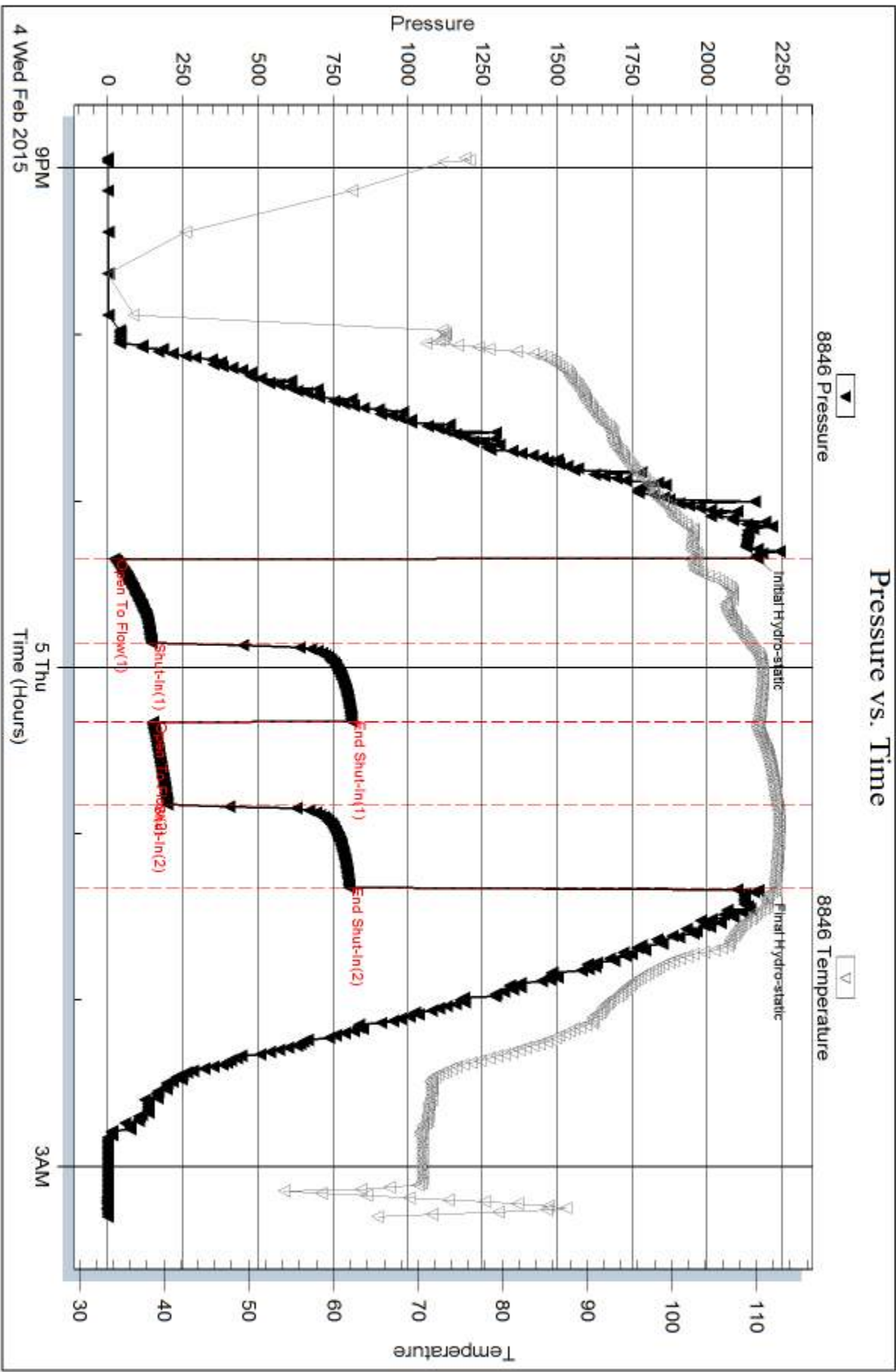
Serial #: 8846

Inside

American Warrior Inc.

Six M #4 23

DST Test Number: 2

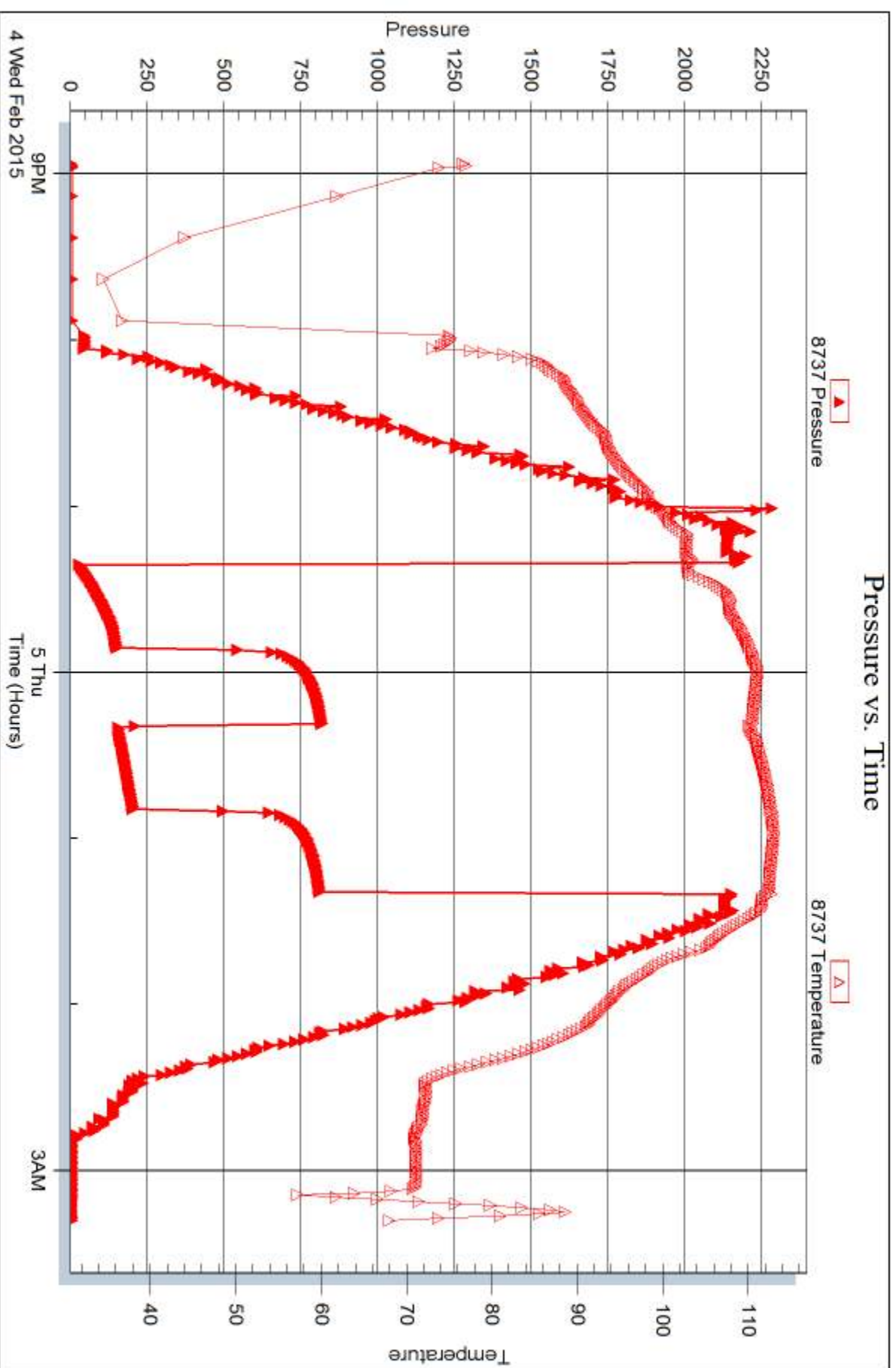


Serial #: 8737

Outside American Warrior Inc.

Six M#4 23

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

Six M #4 23

23-22s-34w Finney,KS

Start Date: 2015.02.06 @ 23:04:15

End Date: 2015.02.07 @ 05:18:30

Job Ticket #: 58573 DST #: 3

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

Printed: 2015.02.09 @ 13:58:27



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58573

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.02.06 @ 23:04:15

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:08:45

Time Test Ended: 05:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4698.00 ft (KB) To 4780.00 ft (KB) (TVD)

Total Depth: 4780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846 Inside

Press@RunDepth: 78.11 psig @ 4700.00 ft (KB)

Start Date: 2015.02.06

End Date:

2015.02.07

Start Time: 23:04:15

End Time:

05:18:30

Capacity: 8000.00 psig

Last Calib.: 2015.02.07

Time On Btm: 2015.02.07 @ 01:08:30

Time Off Btm: 2015.02.07 @ 03:10:00

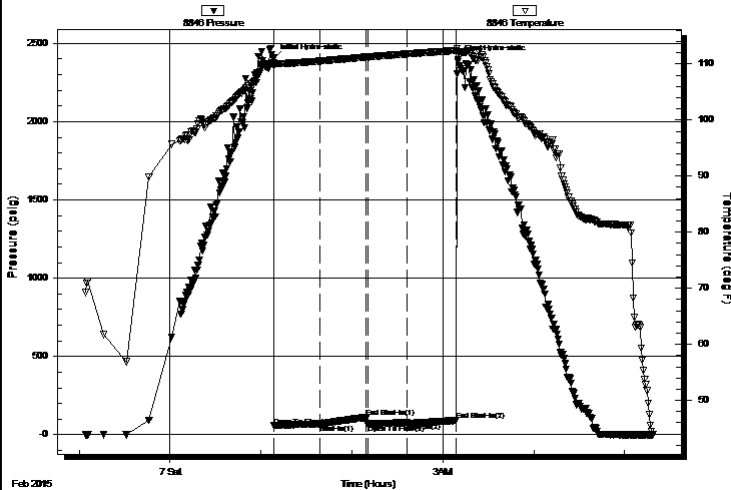
TEST COMMENT: IF: Built to 2 1/2" blow

IS: No return blow

FF: No blow

FS: No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.68	110.29	Initial Hydro-static
1	56.29	109.68	Open To Flow (1)
31	68.02	110.53	Shut-In(1)
61	110.58	111.25	End Shut-In(1)
62	67.29	111.25	Open To Flow (2)
88	78.11	111.81	Shut-In(2)
121	91.44	112.42	End Shut-In(2)
122	2396.49	112.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10%o 90%m	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.

23-22s-34w Finney,KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58573

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.02.06 @ 23:04:15

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:08:45

Time Test Ended: 05:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4698.00 ft (KB) To 4780.00 ft (KB) (TVD)

Total Depth: 4780.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2930.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4700.00 ft (KB)

Start Date: 2015.02.06

End Date:

2015.02.07

Start Time: 23:04:15

End Time:

05:18:30

Capacity: 8000.00 psig

Last Calib.: 2015.02.07

Time On Btm:

Time Off Btm:

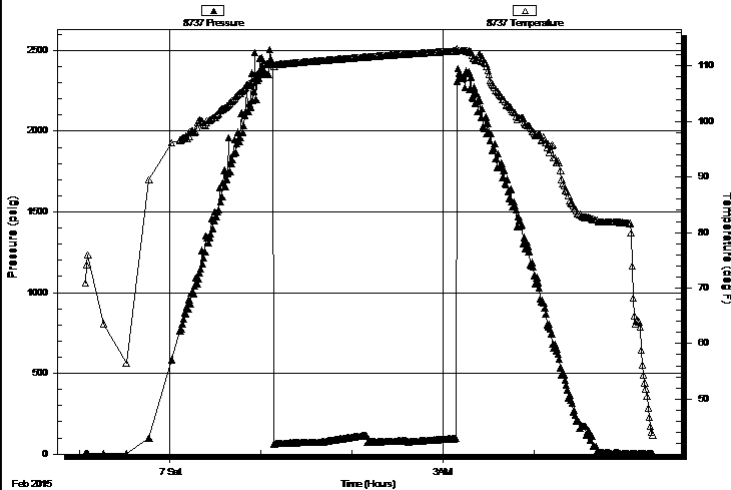
TEST COMMENT: IF:Built to 2 1/2" blow

IS:No return blow

FF:No blow

FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 10%o 90%m	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58573

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.02.06 @ 23:04:15

Tool Information

Drill Pipe:	Length:	4432.00 ft	Diameter:	3.80 inches	Volume:	62.17 bbl	Tool Weight:	1500.00 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:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	63.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	74000.00 lb
Depth to Top Packer:		4698.00 ft					Final	74000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		82.00 ft						
Tool Length:		110.00 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		4671.00	
Shut In Tool	5.00		4676.00	
Hydraulic tool	5.00		4681.00	
Jars	5.00		4686.00	
Safety Joint	3.00		4689.00	
Packer	5.00		4694.00	28.00 Bottom Of Top Packer
Packer	4.00		4698.00	
Stubb	1.00		4699.00	
Perforations	1.00		4700.00	
Recorder	0.00	8846 Inside	4700.00	
Recorder	0.00	8737 Outside	4700.00	
Change Over Sub	1.00		4701.00	
Drill Pipe	63.00		4764.00	
Change Over Sub	1.00		4765.00	
Perforations	10.00		4775.00	
Bullnose	5.00		4780.00	82.00 Bottom Packers & Anchor
Total Tool Length:	110.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

23-22s-34w Finney, KS

PO Box 399
Garden City KS 67846

Six M #4 23

Job Ticket: 58573

DST#: 3

ATTN: Luke Thompson

Test Start: 2015.02.06 @ 23:04:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.77 in³

Resistivity: 0.00 ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 10%o 90%m	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:

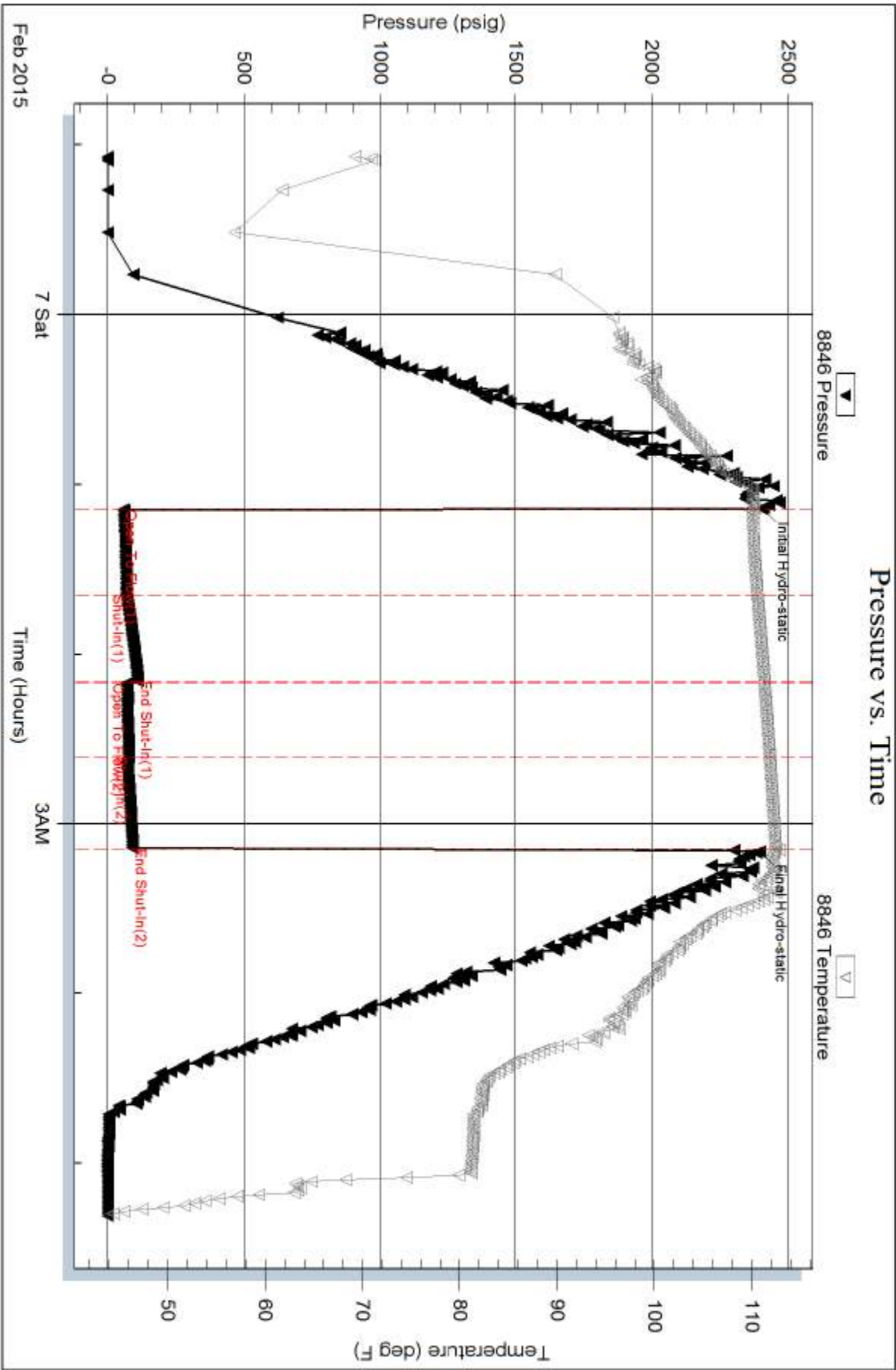
Recovery Comments:

Serial #: 8846

Inside American Warrior Inc.

Six M#4 23

DST Test Number: 3

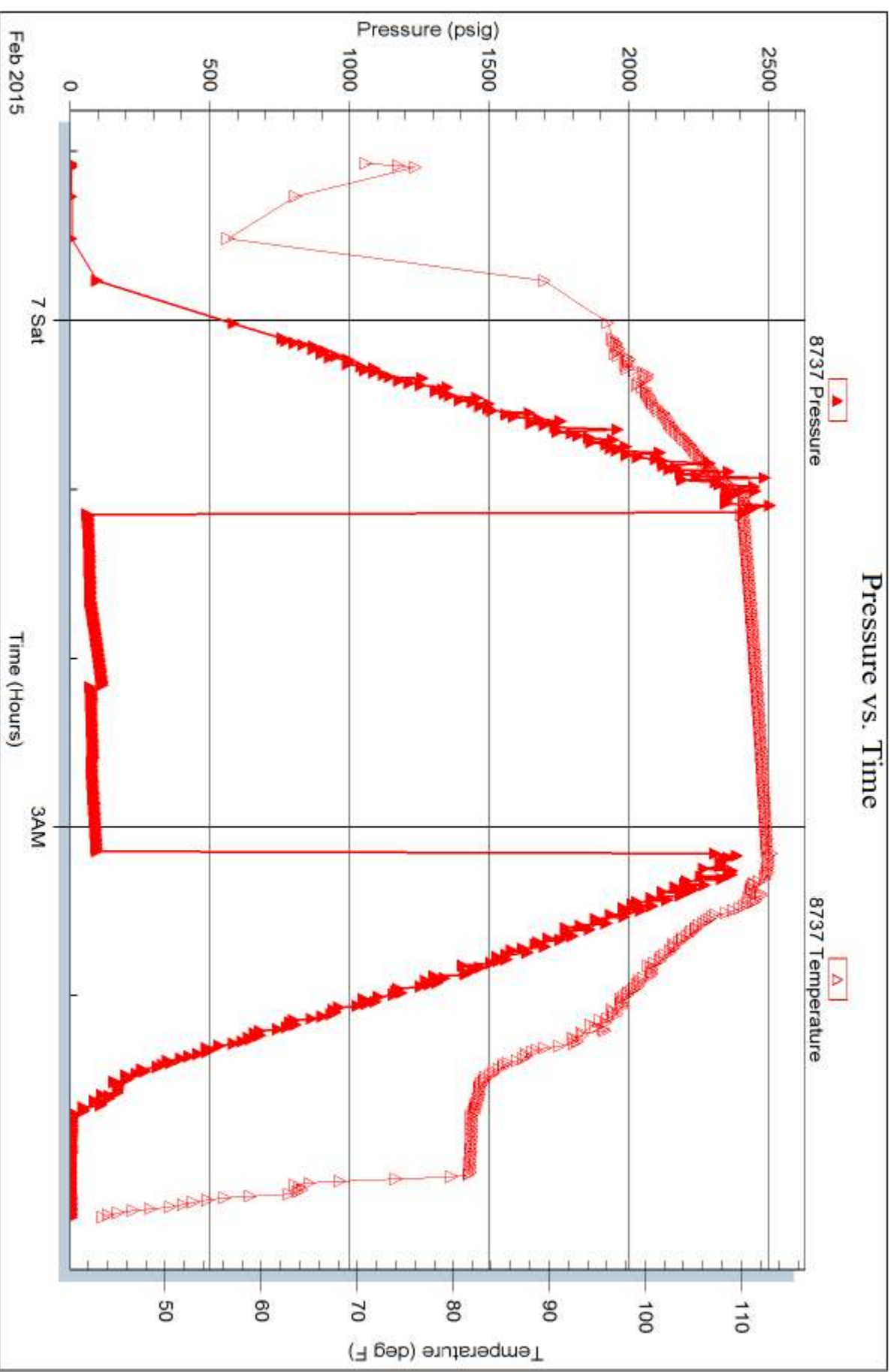


Serial #: 8737

Outside American Warrior Inc.

Six M#4 23

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58571

Well Name & No. Six M #4-23 Test No. 1 Date 2-3-15
 Company American Warrior Inc. Elevation 2941 KB 2930 GL
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke #5
 Location: Sec. 23 Twp. 22S Rge. 34W Co. TENNIS State KS

Interval Tested 4202-4246 Zone Tested Lansing
 Anchor Length 44 Drill Pipe Run 3932 Mud Wt. 9.1
 Top Packer Depth 4197 Drill Collars Run 248 Vis 48
 Bottom Packer Depth 4202 Wt. Pipe Run Ø WL 8.8
 Total Depth 4246 Chlorides 3700 ppm System LCM 3

Blow Description IF: BOB in 4 Min
IS: No Return Blow
FF: BOB in 6 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>472</u>	<u>MC SW</u>			<u>50</u>	<u>50</u>
<u>992</u>	<u>MC SW</u>			<u>80</u>	<u>20</u>

Rec Total 1464 Feet of MC SW Gravity — API RW 1.75 @ 40° F Chlorides 16000 ppm
 (A) Initial Hydrostatic 2054 ☒ Test \$1150.00 T-On Location 14:30
 (B) First Initial Flow 74 ☒ Jars \$250.00 T-Started 16:24
 (C) First Final Flow 378 ☒ Safety Joint \$75.00 T-Open 19:09
 (D) Initial Shut-In 952 ☒ Circ Sub NC T-Pulled 22:09
 (E) Second Initial Flow 402 ☐ Hourly Standby — T-Out 00:51
 (F) Second Final Flow 613 ☒ Mileage 68 RT \$68.00 Comments —
 (G) Final Shut-In 942 ☐ Sampler —
 (H) Final Hydrostatic 2033 ☐ Straddle — ☐ Ruined Shale Packer —
☐ Shale Packer — ☐ Ruined Packer —
☐ Extra Packer — ☐ Extra Copies 0
☐ Extra Recorder — Sub Total 1543
☐ Day Standby — Total 1543
☐ Accessibility — MP/DST Disc't —

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total \$1543.00

Approved By — Our Representative Mike Roberts
 Trilobite Testing Inc. shall not be liable for damaged or 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. **58572**

Well Name & No. Six M #4-23 Test No. 2 Date 2-4-15
 Company American Warrior Inc Elevation 2941 KB 2930 GL
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Luice Thompson Rig Duke 5
 Location: Sec. 23 Twp. 22S Rge. 34W Co. Tenniss State KS

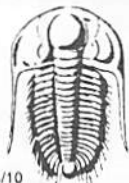
Interval Tested 4375-4409 Zone Tested Marmaton
 Anchor Length 34 Drill Pipe Run 4119 Mud Wt. 9.3
 Top Packer Depth 4320 Drill Collars Run 248 Vis 48
 Bottom Packer Depth 4375 Wt. Pipe Run 4 WL 7.6
 Total Depth 4409 Chlorides 5200 ppm System LCM 3
 Blow Description IF: Built to 9" Blow
IS: NO Return Blow
FF: Built to 5" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>gcwm</u>	<u>1</u>	<u>1</u>	<u>48</u>	<u>50</u>
<u>124</u>	<u>lwm</u>			<u>30</u>	<u>70</u>
<u>248</u>	<u>mcw</u>			<u>90</u>	<u>10</u>

Rec Total 434 BHT 113 Gravity — API RW 69 @ 39.7° F Chlorides 17,000 ppm
 (A) Initial Hydrostatic 2169 ☒ Test \$1150.00 T-On Location 19:30
 (B) First Initial Flow 21 ☒ Jars \$250.00 T-Started 20:56
 (C) First Final Flow 145 ☒ Safety Joint \$75.00 T-Open 23:20
 (D) Initial Shut-In 812 ☒ Circ Sub NC T-Pulled 01:20
 (E) Second Initial Flow 150 ☐ Hourly Standby — T-Out 03:18
 (F) Second Final Flow 199 ☒ Mileage 68 RT 68.00 Comments —
 (G) Final Shut-In 805 ☐ Sampler —
 (H) Final Hydrostatic 2170 ☐ Straddle —
☐ Shale Packer —
☐ Extra Packer —
☐ Extra Recorder —
☐ Day Standby —
☐ Accessibility 1543

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1543
 MP/DST Disc't —

Approved By — Our Representative Mike Roberts



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58573

Well Name & No. Six M# 4-23 Test No. 3 Date 2-6-15
 Company American Warrior Inc. Elevation 2941 KB 2930 GL
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke#5
 Location: Sec. 23 Twp. 22S Rge. 34W Co. Finney State KS

Interval Tested 4698-4780 Zone Tested Morrow
 Anchor Length 82' Drill Pipe Run 4432 Mud Wt. 9.3
 Top Packer Depth 4693 Drill Collars Run 248 Vis 56
 Bottom Packer Depth 4698 Wt. Pipe Run Ø WL 8.8
 Total Depth 4780 Chlorides 3200 ppm System LCM 3

Blow Description IF: Built to 2 1/2"
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>0cm</u>	<u>10</u>		<u>90</u>	
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 112 Gravity — API RW — °F Chlorides — ppm
 (A) Initial Hydrostatic 2405 ☒ Test #1150.00 T-On Location 20:50
 (B) First Initial Flow 56 ☒ Jars #250.00 T-Started 23:04
 (C) First Final Flow 68 ☒ Safety Joint #75.00 T-Open 01:09
 (D) Initial Shut-In 110 ☒ Circ Sub NC T-Pulled 03:09
 (E) Second Initial Flow 67 ☐ Hourly Standby — T-Out 05:18
 (F) Second Final Flow 78 ☒ Mileage 68 RT #68.00 + 68 comments Loaded Tools
 (G) Final Shut-In 91 ☐ Sampler Mileage X2 10 Am on 2-8-15
 (H) Final Hydrostatic 2396 ☐ Straddle — ☐ Ruined Shale Packer —

Initial Open 30 ☐ Shale Packer — ☐ Ruined Packer —
 Initial Shut-In 30 ☐ Extra Packer — ☐ Extra Copies —
 Final Flow 30 ☐ Extra Recorder 1d 17.5h Sub Total 583.33
 Final Shut-In 30 ☒ Day Standby 2-3 Total 2194.33
☐ Accessibility 1611 MP/DST Disc't —
 Sub Total #1595.00

Approved By — Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged or 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.

Geological Report

American Warrior, Inc.

Six M #4-23

903' FNL & 702' FWL

Sec 23, T22s, R34w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Six M #4-23 903' FNL & 702' FWL Sec. 23, T22s, R34w Finney County, Kansas API # 15-055-22383-00-00
Drilling Contractor:	Duke Drilling Co. Rig #5
Geologist:	Luke Thompson
Spud Date:	January 27, 2015
Completion Date:	February 8, 2015
Elevation	2930' G.L. 2941' K.B.
Directions:	From the NW side of Holcomb, KS at the intersection of Hwy 50 and Big Lowe Rd, go north 9 miles to Barlow Rd, go west 1.7 miles to lease Rd, south into.
Casing:	1752' 8 5/8" #24 Surface Casing
Samples:	3750' to RTD 10' Wet & Dry
Drilling Time:	3750' to RTD
Electric Logs:	Pioneer Energy Services "D. Kerr" Stacked Micro
Drillstem Tests:	Three-Trilobite Testing "Mike Roberts"
Problems:	Hole in pipe @ 4680'

Formation Tops

Six M #4-23

Sec. 23, T22s, R34w

903' FNL & 702' FWL

Anhydrite	1971' +965
Base	2035' +901
Heebner	3817' -876
Lansing	3881' -940
Stark	4206' -1265
Bkc	4337' -1396
Marmaton	4361' -1420
Pawnee	4462' -1521
Fort Scott	4490' -1549
Cherokee	4498' -1557
Morrow	4700' -1759
Miss	4785' -1844
RTD	4950' -2009
LTD	4952' -2011

Sample Zone Descriptions

Lansing (4230', -1289): Covered in DST #1

Limestone, tan, oolitic, fair oomoldic porosity, fair odor, no cut, no show free oil. Gas 108 units hotwire.

Marmaton (4390', -1449): Covered in DST #2

Limestone, tan, oolitic, fair oomoldic porosity, very faint odor, no cut, no show of free oil. Gas 22 units hotwire.

Morrow (4750', -1809): Covered in DST #3

Sandstone, grey-off white, fine grain, sub-angular to sub-round, poor sorting, well to medium consolidation, fair to well cemented, occasionally glauconitic, poor to porosity, fair odor, fair odor when broke, fair to good show of free oil when broke, poor saturation, poor stain, occasional dead oil stain, fair string cut, bright yellow fluorescence. Gas 23 units hotwire.

Drill Stem Tests

Trilobite Testing

“Mike Roberts”

DST #1

Lansing

Interval (4202' - 4246') Anchor Length 44'

IHP - 2055 #

IFP - 30" – BOB 4 min 74-378 #

ISI - 45" – No return 952 #

FFP - 45" – BOB 6 min 402-613 #

FSIP - 60" – No return 943 #

FHP - 2033 #

BHT - 112° F

Recovery: 1464' MCSW

DST #2

Marmaton

Interval (4375' – 4409') Anchor Length 34'

IHP - 2169 #

IFP - 30" – 9" blow 21-146 #

ISI - 30" – No Return 813 #

FFP - 30" – 5" blow 150-200#

FSIP - 30" – No Return 805 #

FHP - 2171 #

BHT - 112 ° F

Recovery: 62' GCOWM (1% Oil)

124' WCM

248' MCW

DST #3

Morrow

Interval (4698' – 4780') Anchor Length 82'

IHP - 2406 #

IFP - 30" – 2 ½" blow 56-68#

ISI - 30" – No Return 111 #

FFP - 30" – No blow 67-78 #

FSIP - 30" – No Return 91 #

BHT - 112 ° F

Recovery: 10' OCM (10% Oil)

Structural Comparison

	American Warrior, Inc. Six M #4-23 Sec. 23, T22s, R34w 903' FNL & 702' FWL		American Warrior, Inc. Six M #1-23 Sec. 23, T22s, R34w 2309' FNL & 1345' FWL		Sonat Exploration Co. Six M Farms #1-23 Sec. 23, T22s, R34w 1650' FNL & 2000' FWL
<u>Formation</u>					
Heebner	3817' -876	+10	3827' -885	+2	3811' -878
Lansing	3881' -940	+6	3888' -946	-1	3872' -939
Stark	4206' -1265	+12	4219' -1277	+9	4207' -1274
BKC	4337' -1396	+13	4351' -1409	+11	4340' -1407
Marmaton	4361' -1420	+14	4376' -1434	+12	4365' -1432
Pawnee	4462' -1521	+10	4473' -1531	+2	4456' -1523
Fort Scott	4490' -1549	+11	4502' -1560	+4	4486' -1553
Cherokee	4498' -1557	+13	4512' -1570	+6	4496' -1563
Morrow	4700' -1759	+15	4716' -1774	+7	4699' -1766
Miss	4785' -1844	+34	4820' -1878	+15	4792' -1859

Summary

The location for the Six M #4-23 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem test were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Six M #4-23 well.

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.

