



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1230629
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: _____



1230629

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
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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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Frank 1-4
Doc ID	1230629

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Frank 1-4
Doc ID	1230629

Tops

Name	Top	Datum
Anhy	1813'	+1013
B/Anhy	1882'	+944
Heebner	4074'	-1248
Lansing	4149'	-1323
B/KC	4636'	-1810
Marmaton	4654'	-1828
Ft.Scott	4769'	1943
Morrow	4983'	-2157
St.Louis	5082'	-2256

CEMENTING LOG

CEMENT DATA

Date 10/23/2014 District Liberal # 21 Ticket No. 61706
 Company American Warrior Rig Duke #9
 Lease Frank Well No 1-4
 County Finney State Ks
 Location _____
 Field _____
 Casing Data Conductor RTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24# Collar _____

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

LEAD: Time _____ hrs. Type 65/35 6% Gel 3%CC
.5# Floseal Excess _____

Amt. 625 Sks Yield 2 ft³/sk Density 12.4 PPG

TAIL: Time _____ hrs. Type Class A 3% CC 1/4# Flo Seal
 Excess _____

Amt. 200 Sks Yield 1.21 ft³/sk Density 15.6 PPG

WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total _____ BBLs

Pump Trucks Used: 549-550
 Bulk Equipment 562-528
705-842

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 _____

Casing Depths Top _____ Bottom 1712

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 _____

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	
3:00am						On location @ 3:00am
5:30am						Rigging up to the well head
5:55am	1500					Pressure test lines
5:56am	250		10		4	Pumping 10 bbls of water ahead
5:58am	240		232		6	Mixing cement 625sk @12.4#
6:36am	200		265		4	Mixing cement 200sk @ 15.6#
6:48am	0		265		0	Shut down and releases the plug
6:50am	80		265		3	Plug left the head started displacement of 106 bbls
6:56am	240		305		5	40bbls gone
7:02am	370		325		6	60bbls gone
7:09am	500		345		6	80bbls gone
7:13am	620		365		6	100bbls gone
7:20am	1300		371		3	106 bbls gone and landed the plug 1300 psi
	0		0		0	Release the psi and float is holding
						rigging up
						Leaving location @ 8:00am
						30660l of cement to surface

FINAL DISP. PRESS. 630 PSI BUMP PLUG TO 1300 PSI BLEEDBACK 0.5 BBLs **THANK YOU**

CEMENTING LOG

Date 10/31/2014 District Liberal # 21 Ticket No. 61670
 Company American Warrior Rig Duke # 9
 Lease FRANK Well No 1-4
 County Finney State Ks
 Location _____

Field _____
 Casing Data Conductor A Squeeze Misc.
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight 24 Collar _____

Casing Depths Top _____ Bottom 1950

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT 0.1458 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 0.044 LIN. FT/BBL _____
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type 10 bbl water
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

LEAD: Time _____ hrs. Type CLASS A
60/40/4%GEL,1/4# FLOSEAL Excess _____

Amt. 220 Sks Yield 1.42 ft³/sk Density 13.8 PPG
 TAIL: Time _____ hrs. Type _____ Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 6.9 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Pump Trucks Used: 530-484
 Bulk Equipment 993-

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 CESAR PAVIA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD		RATE BBLs/MIN
600AM						ARRIVE TO LOCATION	
630AM						RIG UP	
650AM						SAFETY MEETING	
700AM		30		10		3	PUMP 10 BBL OF FRESH WATER @ 1730 FT
710AM		30		18		3	PUMP 8 BBL OF SLURRY CEMENT WITH 2 BBL BEHIND
714AM		30		37		3	PUMP 19 BBL OF MUD TO DISPLACE DRILL PIPE
737AM		30		45		3	PUMP 8 BBL OF SLURRY CEMENT @ 940 FT
743AM		30		55		3	DISPLACE 10 BBL OF WATER TO DISPLACE DRILL PIPE
800AM		40		63		3	PUMP 8 BBL OF SLURRY CEMENT @300 FT
803AM		30		64.2		3	DISPLACE 1.2 BBL OF WATER TO DISPLACE DRILL PIPE
820AM		30		59.2		3	PUMP 5 BBL OF SLURRY CEMENT @ 60 FT
900AM		10		72.2		3	PUMP 3 BBL OF SLURRY CEMENT TO RAT HOLE
915AM		10		77.2		3	PUMP 5 BBL OF SLURRY CEMENT TO RAT HOLE
920AM				80.2		3	PUMP 3 BBL OF SLURRY CEMENT TO MOUSE HOLE
930AM							RIG DOWN
1030AM							LEAVE LOCATION

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



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Frank #1-4

4 27s 31w Haskell,KS

Start Date: 2014.10.26 @ 15:51:00

End Date: 2014.10.26 @ 23:53:15

Job Ticket #: 58577 DST #: 1

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

Printed: 2014.10.30 @ 17:00:58



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

4 27s 31w Haskell, KS

Frank #1-4

Job Ticket: 58577

DST#: 1

Test Start: 2014.10.26 @ 15:51:00

GENERAL INFORMATION:

Formation: **LKC - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:31:30
 Tester: Bradley Walter
 Time Test Ended: 23:53:15
 Unit No: 69
 Interval: **4474.00 ft (KB) To 4522.00 ft (KB) (TVD)**
 Reference Elevations: 2826.00 ft (KB)
 Total Depth: 4522.00 ft (KB) (TVD)
 2813.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 13.00 ft

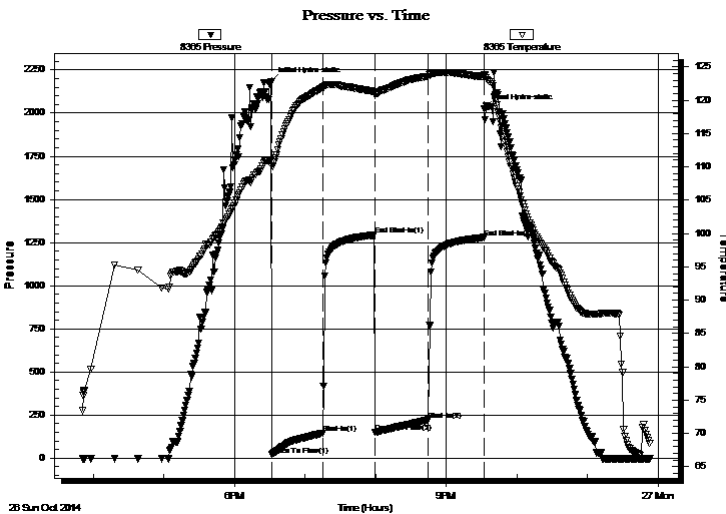
Serial #: 8365

Inside

Press@RunDepth: 222.46 psig @ 4475.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.26 End Date: 2014.10.26 Last Calib.: 2014.10.26
 Start Time: 15:51:05 End Time: 23:53:14 Time On Btm: 2014.10.26 @ 18:31:15
 Time Off Btm: 2014.10.26 @ 21:32:30

TEST COMMENT: 45 - IF: 6" blow .
 45 - IS: No return.
 45 - FF: 3" blow .
 45 - FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.09	111.02	Initial Hydro-static
1	19.30	110.20	Open To Flow (1)
44	146.26	121.85	Shut-In(1)
88	1293.47	121.27	End Shut-In(1)
89	149.38	120.76	Open To Flow (2)
134	222.46	123.58	Shut-In(2)
181	1279.25	123.48	End Shut-In(2)
182	2024.90	123.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	mcw 10m 90w (oil spots in tool)	4.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

4 27s 31w Haskell, KS

Box 399
Garden City, KS 67846

Frank #1-4

Job Ticket: 58577

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.10.26 @ 15:51:00

Tool Information

Drill Pipe:	Length: 4296.00 ft	Diameter: 3.80 inches	Volume: 60.26 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 61.14 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4474.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	75.00 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			4448.00	
Shut In Tool	5.00			4453.00	
Hydraulic tool	5.00			4458.00	
Jars	5.00			4463.00	
Safety Joint	2.00			4465.00	
Packer	5.00			4470.00	27.00 Bottom Of Top Packer
Packer	4.00			4474.00	
Stubb	1.00			4475.00	
Recorder	0.00	8365	Inside	4475.00	
Recorder	0.00	8522	Outside	4475.00	
Perforations	11.00			4486.00	
Change Over Sub	1.00			4487.00	
Drill Pipe	31.00			4518.00	
Change Over Sub	1.00			4519.00	
Bullnose	3.00			4522.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

4 27s 31w Haskell, KS
Frank #1-4
Job Ticket: 58577 **DST#: 1**
Test Start: 2014.10.26 @ 15:51:00

Mud and Cushion Information

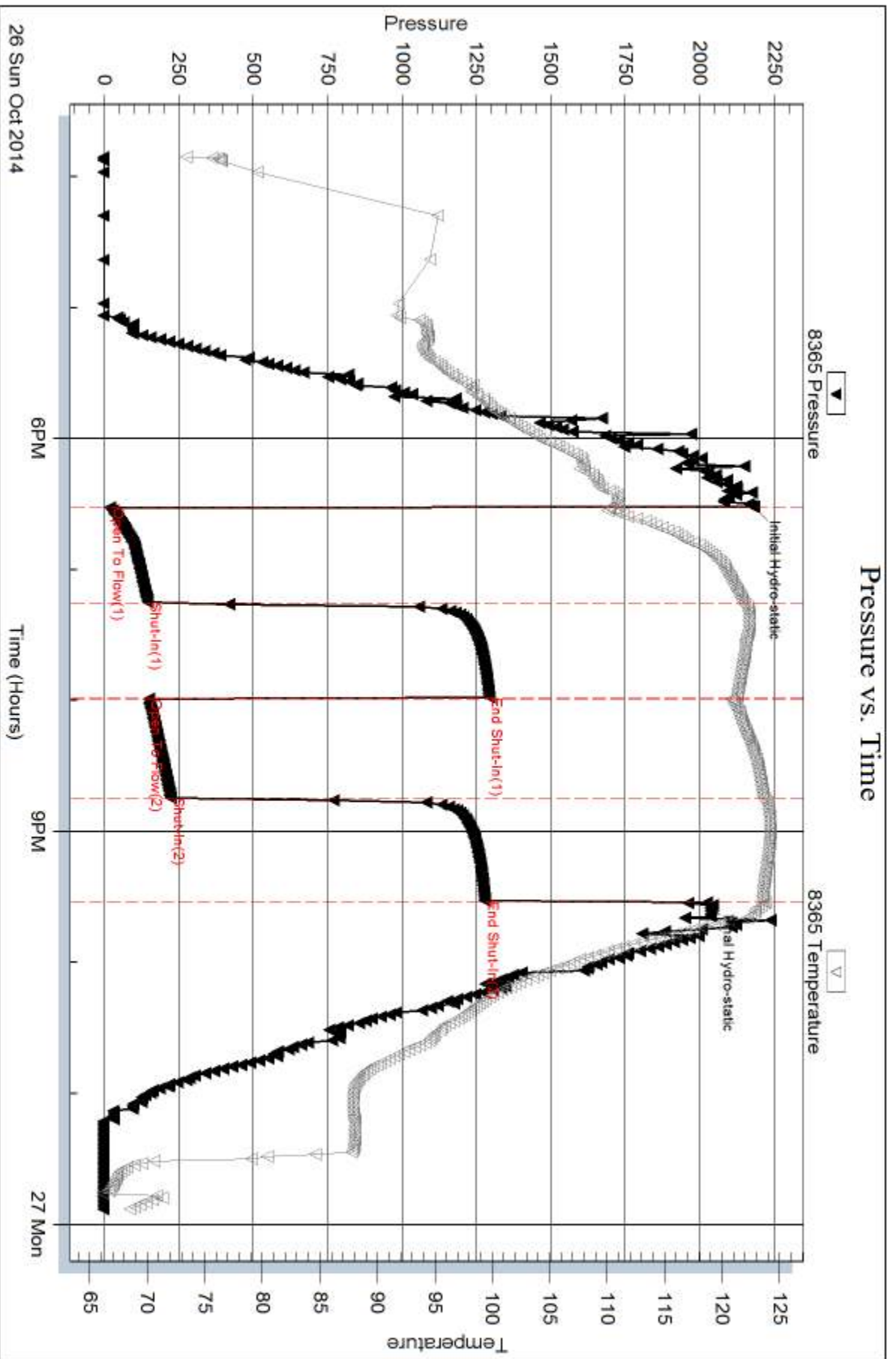
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 33000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	mcw 10m 90w (oil spots in tool)	4.682

Total Length: 450.00 ft Total Volume: 4.682 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: rw is .250 @ 60F = 33000ppm

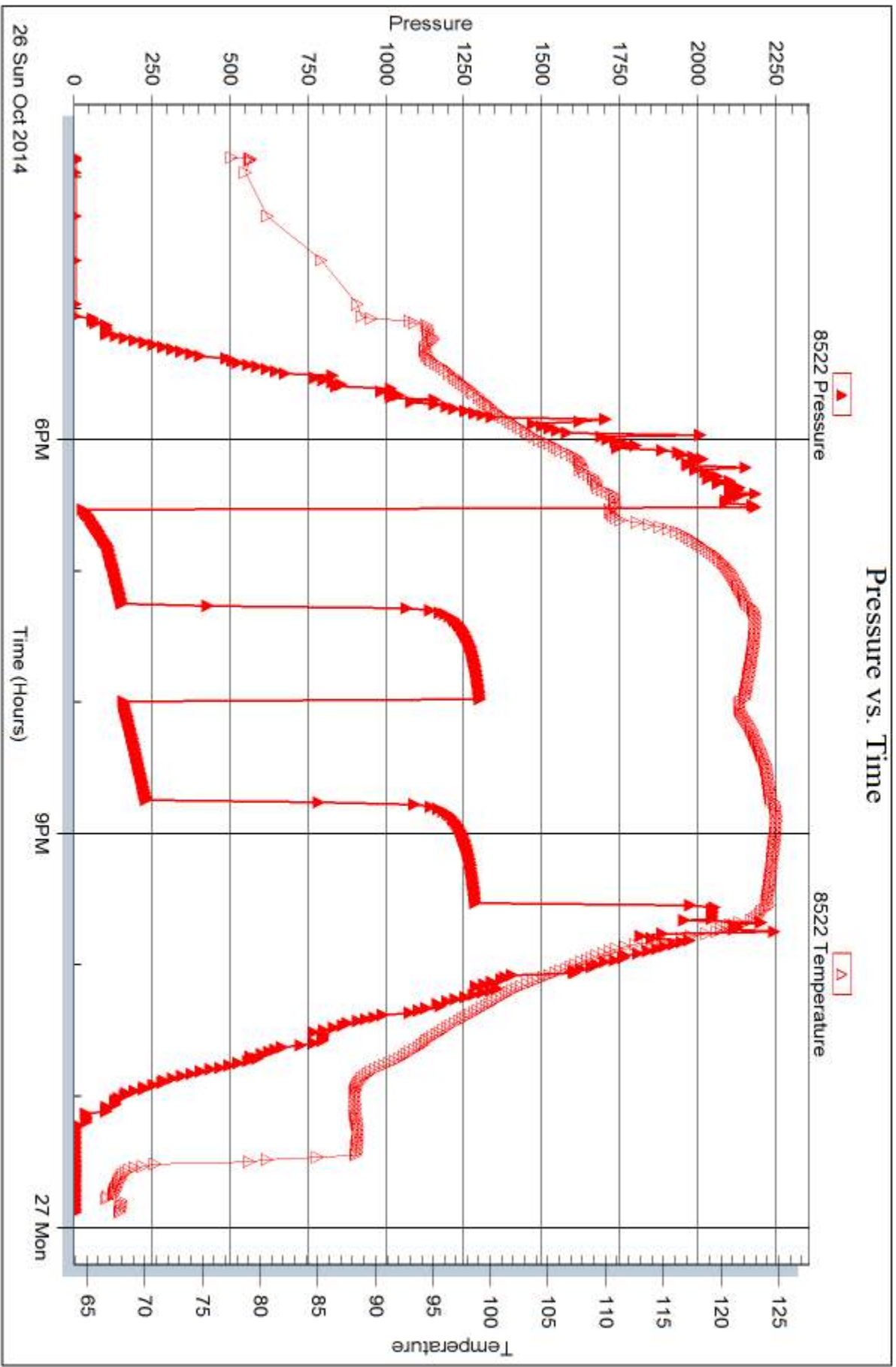


Serial #: 8522

Outside American Warrior, Inc

Frank #1-4

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58577

Printed: 2014, 10, 30 @ 17:01:00



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Frank #1-4

4 27s 31w Haskell,KS

Start Date: 2014.10.27 @ 17:41:00

End Date: 2014.10.27 @ 23:25:30

Job Ticket #: 58578 DST #: 2

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

Printed: 2014.10.30 @ 17:00:36



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

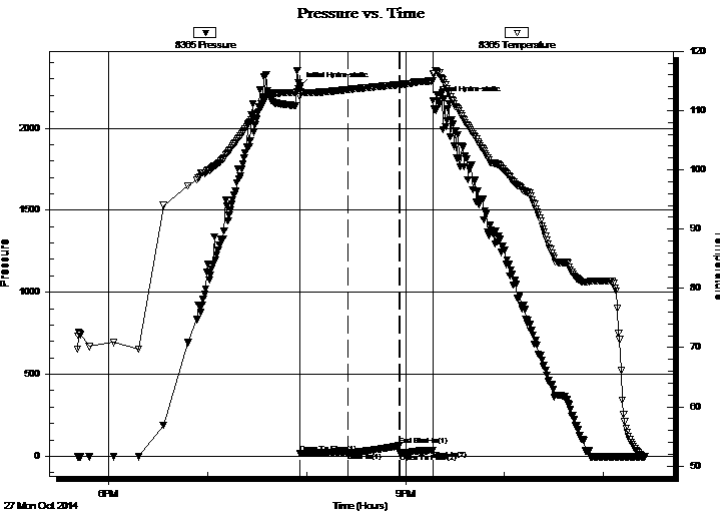
4 27s 31w Haskell, KS
Frank #1-4
 Job Ticket: 58578 **DST#: 2**
 Test Start: 2014.10.27 @ 17:41:00

GENERAL INFORMATION:

Formation: **Marmaton A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:56:00 Tester: Bradley Walter
 Time Test Ended: 23:25:30 Unit No: 69
 Interval: **4616.00 ft (KB) To 4677.00 ft (KB) (TVD)** Reference Elevations: 2826.00 ft (KB)
 Total Depth: 4677.00 ft (KB) (TVD) 2813.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 24.48 psig @ 4617.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.27 End Date: 2014.10.27 Last Calib.: 2014.10.27
 Start Time: 17:41:05 End Time: 23:25:29 Time On Btm: 2014.10.27 @ 19:55:45
 Time Off Btm: 2014.10.27 @ 21:16:45

TEST COMMENT: 30- IF: Surface blow , Died @ 10 min.
 30- IS: No return.
 10- FF: No blow . Flushed tool - blow died.
 FSI: Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.82	113.78	Initial Hydro-static
1	17.19	112.39	Open To Flow (1)
30	24.48	113.55	Shut-In(1)
61	64.28	114.39	End Shut-In(1)
61	19.46	114.40	Open To Flow (2)
81	38.41	115.03	Shut-In(2)
81	2169.26	116.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100M	0.15

* 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

4 27s 31w Haskell, KS

Box 399
Garden City, KS 67846

Frank #1-4

Job Ticket: 58578

DST#: 2

ATTN: Kevin Timson

Test Start: 2014.10.27 @ 17:41:00

Tool Information

Drill Pipe:	Length: 4415.00 ft	Diameter: 3.80 inches	Volume: 61.93 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 62.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4616.00 ft			Final	70000.00 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			4590.00	
Shut In Tool	5.00			4595.00	
Hydraulic tool	5.00			4600.00	
Jars	5.00			4605.00	
Safety Joint	2.00			4607.00	
Packer	5.00			4612.00	27.00 Bottom Of Top Packer
Packer	4.00			4616.00	
Stubb	1.00			4617.00	
Recorder	0.00	8365	Inside	4617.00	
Recorder	0.00	8522	Outside	4617.00	
Perforations	14.00			4631.00	
Change Over Sub	1.00			4632.00	
Drill Pipe	31.00			4663.00	
Change Over Sub	1.00			4664.00	
Bullnose	3.00			4667.00	51.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

4 27s 31w Haskell, KS
Frank #1-4
Job Ticket: 58578 **DST#: 2**
Test Start: 2014.10.27 @ 17:41:00

Mud and Cushion Information

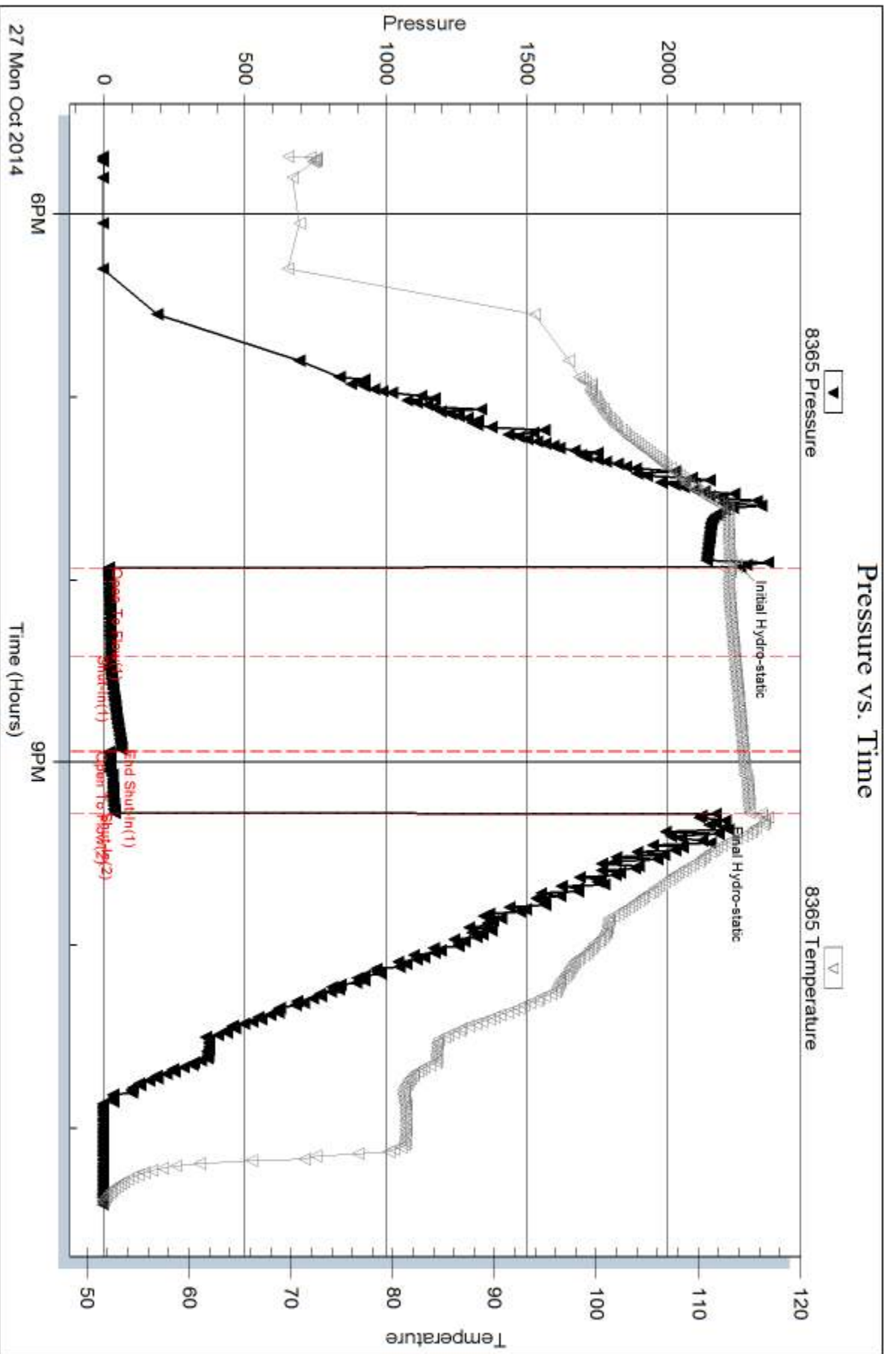
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

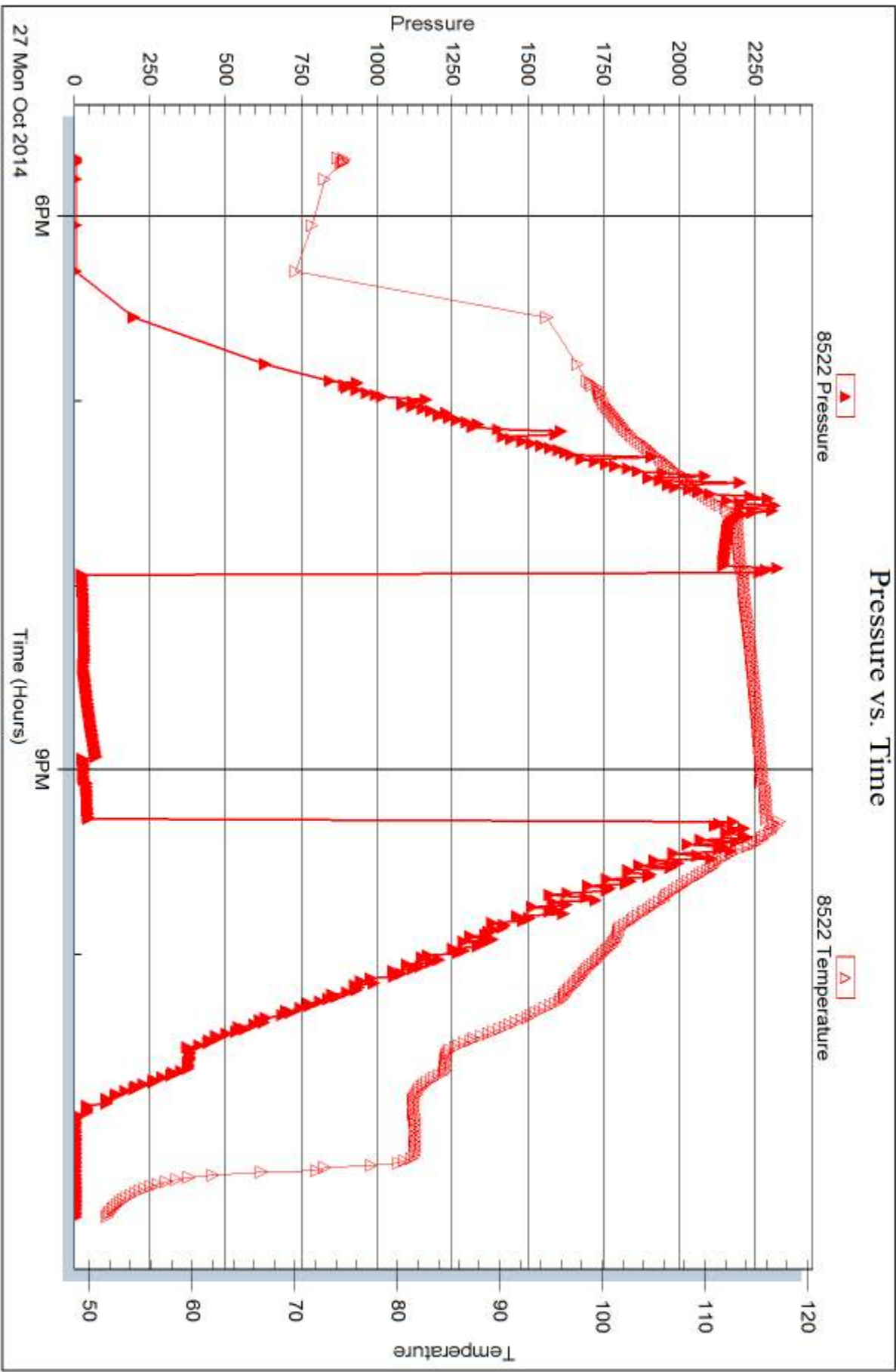


Serial #: 8522

Outside American Warrior, Inc

Frank #1-4

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58578

Printed: 2014, 10:30 @ 17:00:38



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Frank #1-4

4 27s 31w Haskell,KS

Start Date: 2014.10.28 @ 12:34:00

End Date: 2014.10.28 @ 17:55:45

Job Ticket #: 58579 DST #: 3

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

Printed: 2014.10.30 @ 17:00:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

4 27s 31w Haskell, KS

Frank #1-4

Job Ticket: 58579

DST#: 3

Test Start: 2014.10.28 @ 12:34:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:38:45
 Tester: Bradley Walter
 Time Test Ended: 17:55:45
 Unit No: 69
 Interval: **4720.00 ft (KB) To 4752.00 ft (KB) (TVD)**
 Reference Elevations: 2826.00 ft (KB)
 Total Depth: 4752.00 ft (KB) (TVD)
 2813.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 13.00 ft

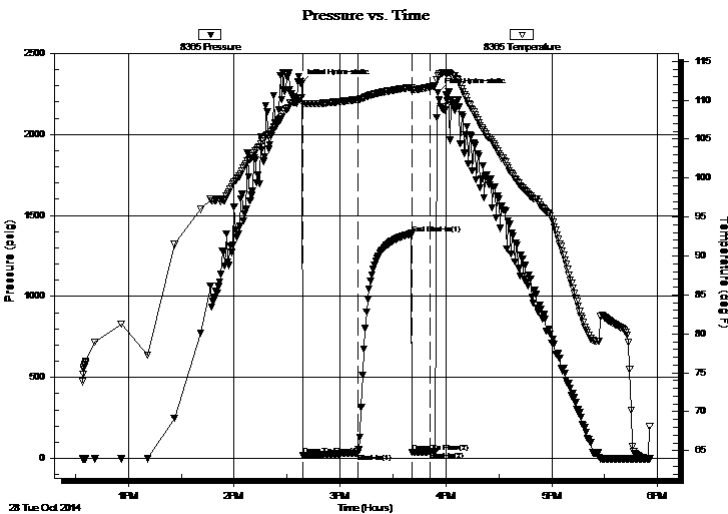
Serial #: 8365

Inside

Press@RunDepth: 32.84 psig @ 4721.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.28 End Date: 2014.10.28 Last Calib.: 2014.10.28
 Start Time: 12:34:05 End Time: 17:55:44 Time On Btm: 2014.10.28 @ 14:38:00
 Time Off Btm: 2014.10.28 @ 15:55:30

TEST COMMENT: 30- IF: Surface blow .
 30- IS: No return.
 10- FF: No blow .
 Pulled test

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2314.76	110.30	Initial Hydro-static
1	18.02	109.59	Open To Flow (1)
32	32.84	110.10	Shut-In(1)
63	1388.44	111.67	End Shut-In(1)
63	37.18	111.27	Open To Flow (2)
73	42.81	111.69	Shut-In(2)
78	2256.85	113.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100m	0.10

* 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

4 27s 31w Haskell, KS

Box 399
Garden City, KS 67846

Frank #1-4

Job Ticket: 58579

DST#: 3

ATTN: Kevin Timson

Test Start: 2014.10.28 @ 12:34:00

Tool Information

Drill Pipe:	Length: 4521.00 ft	Diameter: 3.80 inches	Volume: 63.42 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	83000.00 lb
			<u>Total Volume: 64.30 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4720.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.00 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			4694.00	
Shut In Tool	5.00			4699.00	
Hydraulic tool	5.00			4704.00	
Jars	5.00			4709.00	
Safety Joint	2.00			4711.00	
Packer	5.00			4716.00	27.00 Bottom Of Top Packer
Packer	4.00			4720.00	
Stubb	1.00			4721.00	
Recorder	0.00	8365	Inside	4721.00	
Recorder	0.00	8522	Outside	4721.00	
Perforations	28.00			4749.00	
Bullnose	3.00			4752.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

4 27s 31w Haskell, KS

Box 399
Garden City, KS 67846

Frank #1-4

Job Ticket: 58579

DST#: 3

ATTN: Kevin Timson

Test Start: 2014.10.28 @ 12:34:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

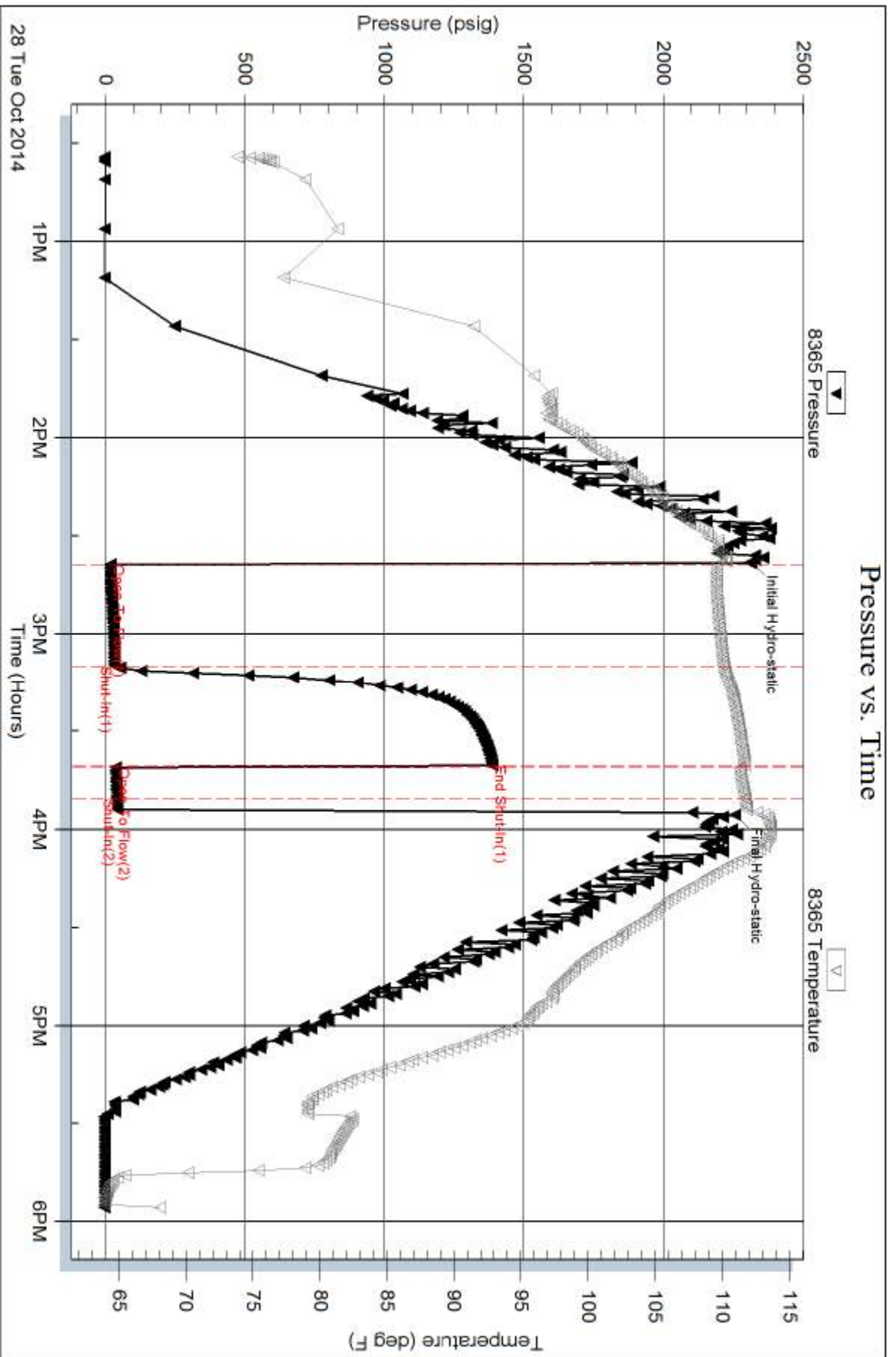
Serial #: 8365

Inside

American Warrior, Inc

Frank #1-4

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58579

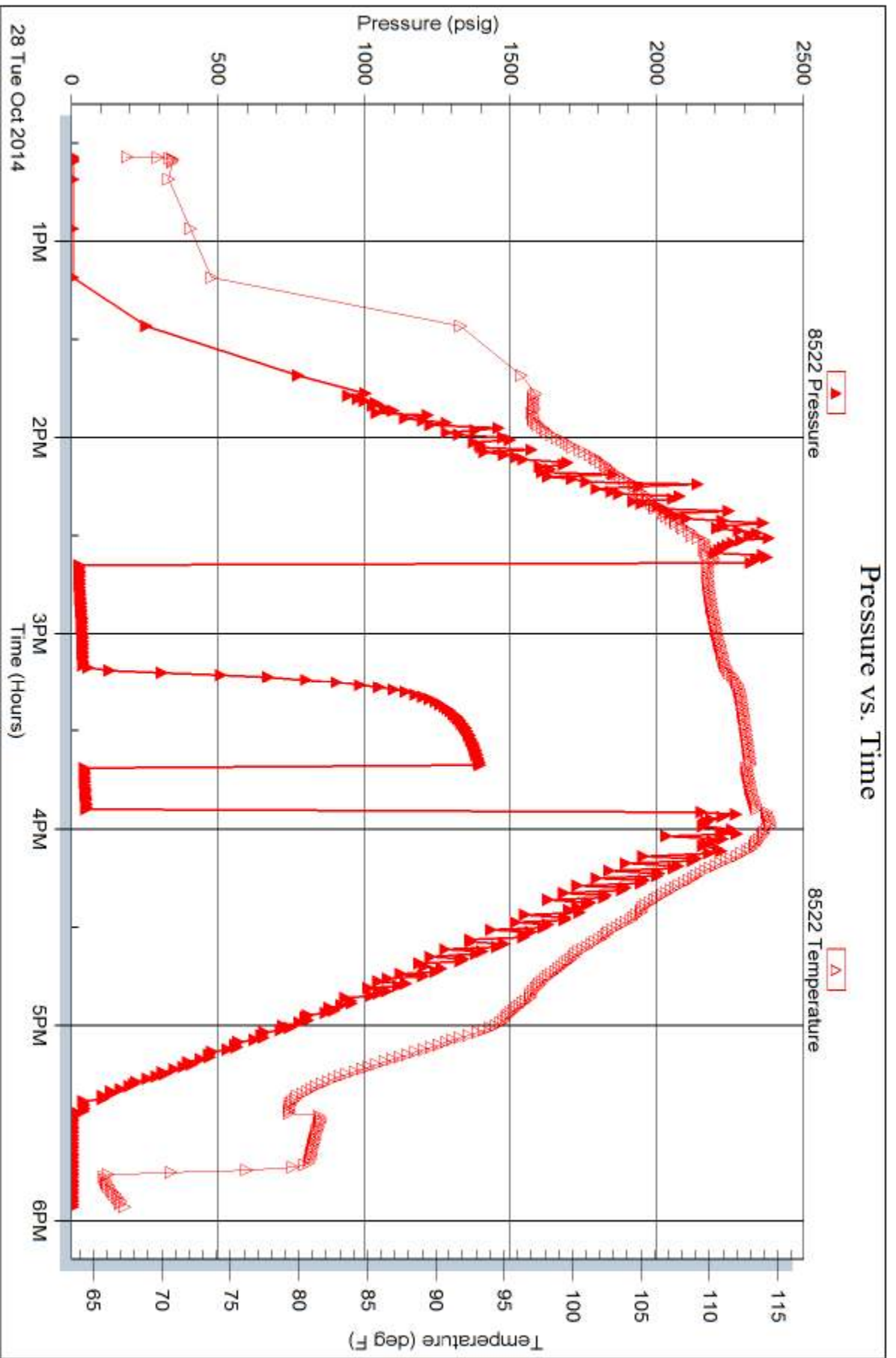
Printed: 2014, 10:30 @ 17:00:10

Serial #: 8522

Outside American Warrior, Inc

Frank #1-4

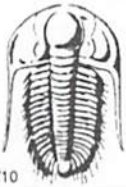
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58579

Printed: 2014, 10:30 @ 17:00:10



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58577

4/10

Well Name & No. Frank #1-4 Test No. 1 Date 10/26/2014
 Company American Warrior, Inc Elevation 2826 KB 2813 GL
 Address Box 399 Garden City, ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #9
 Location: Sec. 4 Twp. 27 S Rge. 31 W Co. Haskell State Ks

Interval Tested 4474 - 4522 Zone Tested LKC J
 Anchor Length 48' Drill Pipe Run 4296 Mud Wt. 9.0
 Top Packer Depth 4469 Drill Collars Run 179 Vis 45
 Bottom Packer Depth 4474 Wt. Pipe Run 0 WL 8.4
 Total Depth 4522 Chlorides 1400 ppm System LCM 2#

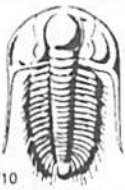
Blow Description IF! 6" blow.
ISI: No return.
FF! 3" blow
FST! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>450</u>	<u>MCW</u>			<u>90</u>	<u>10</u>

Rec Total 450 BHT 124 Gravity — API RW .250 @ 60° F Chlorides 33,000 ppm
 (A) Initial Hydrostatic 2182 Test 1250 T-On Location 1530
 (B) First Initial Flow 19 Jars 250 T-Started 1551
 (C) First Final Flow 146 Safety Joint 75 T-Open 1830
 (D) Initial Shut-In 1293 Circ Sub N/C T-Pulled 2130
 (E) Second Initial Flow 149 Hourly Standby _____ T-Out 2353
 (F) Second Final Flow 222 Mileage 136 RT 210.80 Comments _____
 (G) Final Shut-In 1279 Sampler _____
 (H) Final Hydrostatic 2025 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1785.80
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1785.80

Approved By _____ Our Representative [Signature] #69

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. 58578

4/10

Well Name & No. Frank #1-4 Test No. 2 Date 10/27/2014
 Company American Warrior, Inc Elevation 2826 KB 2813 GL
 Address Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #9
 Location: Sec. 4 Twp. 27S Rge. 31W Co. Haskell State Ks

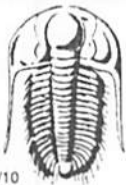
Interval Tested 4616 4677 Zone Tested Marmaton A
 Anchor Length 51 Drill Pipe Run 4415 Mud Wt. 9.2
 Top Packer Depth 4611 Drill Collars Run 179 Vis 55
 Bottom Packer Depth 4616 Wt. Pipe Run Ø WL 9.2
 Total Depth 4677 Chlorides 2800 ppm System LCM 2#
 Blow Description IF: Surface blow, died @ 10 min.
ISI: No return
FF: No blow, Flushed Tool blow died.
FSI: Pulled test

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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 30 BHT 115 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2236</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1730</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1741</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1926</u>
(D) Initial Shut-In <u>64</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2010</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2326</u>
(F) Second Final Flow	<input checked="" type="checkbox"/> Mileage <u>136 RT 210.80</u>	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2169</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Flow <u>Flush 10</u>	<input type="checkbox"/> Accessibility	Total <u>1785.80</u>
Final Shut-In <u>Pulled</u>	Sub Total <u>1785.80</u>	MP/DST Disc't

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. 58579

Well Name & No. Frank #1-4 Test No. 3 Date 10/28/2014
 Company American Warrior, Inc Elevation 2826 KB 2813 GL
 Address Box 399 Garden City, ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #9
 Location: Sec. 4 Twp. 27s Rge. 31w Co. Haskell State Ks

Interval Tested 4720 - 4752 Zone Tested Pawnee
 Anchor Length 32' Drill Pipe Run 4521 Mud Wt. 9.2
 Top Packer Depth 4715 Drill Collars Run 179 Vis 52
 Bottom Packer Depth 4720 Wt. Pipe Run Ø WL 8.4
 Total Depth 4752 Chlorides 4800 ppm System LCM 3#

Blow Description IF: Surface blow
ISI: No return.
FF: No blow
FSI: Pulled the test

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>non</u>				

Rec Total 20 BHT 112 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2315 Test 1250 T-On Location 1230
 (B) First Initial Flow 18 Jars 250 T-Started 1236
 (C) First Final Flow 33 Safety Joint 75 T-Open 1436
 (D) Initial Shut-In 1388 Circ Sub _____ T-Pulled 1550
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 1756
 (F) Second Final Flow 43 Pulled Mileage 136RT 210.80 Comments _____
 (G) Final Shut-In Test 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 1785.80
 Final Flow 10 Accessibility _____ MP/DST Disc't _____
 Final Shut-In Pulled Sub Total 1785.80

Approved By _____ Our Representative Bud [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.

Geological Report

American Warrior, Inc.

Frank #1-4

1741' FNL & 1635' FWL

Sec. 4, T27s, R31w

Haskell County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Frank #1-4
1741' FNL & 1635' FWL
Sec. 4, T27s, R31w
Haskell County, Kansas
API # 15-081-22084-00-00

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Kevin Timson

Spud Date: October 22, 2014

Completion Date: October 31, 2014

Elevation 2813' G.L.
2826' K.B.

Directions: From Garden City, KS. Go South on Hwy 83 18 miles to 30th Rd. Go East 8 miles to UU Rd. Go North 2 miles to County Line. Go East 1/4 mile and South into.

Casing: 1709' 8 5/8" #24 Surface Casing

Samples: 4000' to RTD 10' Wet & Dry

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "D. Kerr"
Full Sweep

Drillstem Tests: Three-Trilobite Testing "Bradley Walter"

Problems: None

Formation Tops

Frank #1-4

Sec. 4, T27s, R31w

1741' FNL & 1635' FWL

Anhydrite	1813' +1013
Base	1882' +944
Heebner	4074' -1248
Lansing	4149' -1323
Stark	4514' -1688
Bkc	4636' -1810
Marmaton	4654' -1828
Pawnee	4737' -1911
Fort Scott	4769' -1943
Cherokee	4783' -1957
Morrow	4983' -2157
Chester	5054' -2228
St. Gen	5082' -2256
St. Louis	5082' -2256
RTD	5250' -2424
LTD	5253' -2427

Sample Zone Descriptions

Lansing 'J' (4480', -1654): Covered in DST #1

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Fair stain and fair saturation in porosity. No show of free oil. Fair odor. 30 units hotwire.

Marmaton (4654', -1828): Covered in DST #2

Ls/Dolo. Tan/Gray. Sub crystalline. Fair vuggy and poor intercrystalline porosity. Good stain. Fair saturation. Slight show of free oil. Fair odor. 25 units hotwire.

Pawnee (4737', -4737): Covered in DST #3

Ls. Off white/tan. Medium crystalline. Fair oomoldic porosity. Fair stain. Fair saturation. Show of free oil when broken. Poor odor. 30 Units hotwire.

Drill Stem Tests

Trilobite Testing

“Bradley Walter”

DST #1

Lansing 'J'

Interval (4474' – 4522') Anchor Length 48'

IHP - 2182 #

IFP - 45" – 6" blow 19-146 #

ISI - 45" – No return 1293 #

FFP - 45" – 3" blow 149-222 #

FSIP - 45" – No return 1279 #

FHP - 2025 #

BHT - 124 ° F

Recovery: 450' MCW with oil spots (90% Water)

DST #2

Marmaton 'A'

Interval (4616' - 4677') Anchor Length 51'

IHP - 2256 #

IFP - 30" - WSB died in 10 min 17-24 #

ISI - 30" - No return 64 #

FFP - 10" - No blow 19-NA #

FSIP - Pull Tool NA

FHP - 2169 #

BHT - 115° F

Recovery: 30' Mud

DST #3

Pawnee

Interval (4720' - 4752') Anchor Length 32'

IHP - 2315#

IFP - 30" - WSB 18-33 #

ISI - 30" - No return 1388 #

FFP - 10" - No blow 37-NA #

FSIP - Pull Tool NA

FHP - NA

BHT - 112° F

Recovery: 20' Mud

Structural Comparison

	American Warrior, Inc. Frank #1-4 Sec. 4, T27s, R31w 1741' FNL & 1635' FWL		Texas Oil & Gas Nusser #1 Sec. 3, T27s, R31w 330' FSL & 330' FWL		Anadarko Production Bedell A #2 Sec. 9, T27s, R31w NE NE NE
Formation					
Heebner	4074' -1248	FL	4060' -1248	FL	4048' -1248
Lansing	4149' -1323	NA	4116' -1304	NA	4148' -1348
Stark	4514' -1688	FL	4500' -1688	NA	NA
BKC	4636' -1810	+5	4627' -1815	NA	NA
Marmaton	4654' -1828	+4	4644' -1832	+6	4634' -1834
Pawnee	4737' -1911	+3	4726' -1914	NA	NA
Fort Scott	4769' -1943	+1	4756' -1944	NA	NA
Cherokee	4783' -1957	FL	4769' -1957	+14	4771' -1971
Morrow	4983' -2157	-9	4960' -2148	+1	4958' -2158
Chester	5054' -2228	+24	5064' -2252	NA	NA
St. Gen	5082' -2256	+30	5098' -2286	+22	5078' -2278
St. Louis	5158' -2332	- NA	5132' -2320	NA	NA

Summary

The location for the Frank #1-4 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests 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 Frank #1-4 well.

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

