



KANSAS CORPORATION COMMISSION 1109829
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058
Name: American Warrior, Inc.
Address 1: 3118 Cummings Rd
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 +
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Timson
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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
01/09/2013 01/17/2013 01/17/2013
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-083-21875-00-00
Spot Description: _____
SW NE NE SW Sec. 28 Twp. 22 S. R. 21 East West
1982 Feet from North / South Line of Section
2305 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Hodgeman
Lease Name: Sparks Well #: 1-28
Field Name: _____
Producing Formation: None
Elevation: Ground: 2249 Kelly Bushing: 2259
Total Depth: 4600 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 234 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: 19000 ppm Fluid volume: 120 bbls
Dewatering method used: Evaporated
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

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 01/24/2013



1109829

Operator Name: American Warrior, Inc. Lease Name: Sparks Well #: 1-28
 Sec. 28 Twp. 22 S. R. 21 East West County: Hodgeman

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Stacked Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%; border: none;">Name Attached</td> <td style="width:20%; border: none;">Top Attached</td> <td style="width:20%; border: none;">Datum Attached</td> </tr> </table>	Name Attached	Top Attached	Datum Attached
Name Attached	Top Attached	Datum Attached		

CASING RECORD <input checked="" 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
Surface	12.250	8.625	28	234	Class A	150	3%CC, 2%gel

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	-			

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	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Sparks 1-28
Doc ID	1109829

Tops

Heebner	3846'	-1587
Douglas	3875'	-1616
Lansing	3917	-1658
Stark	4169'	-1910
B/KC	4287'	-2028
Pawnee	4362'	-2103
Ft.Scott	4463'	-2204
Mississippian	4524'	-2265
Osage	4539'	-2280

Geological Report

American Warrior, Inc.

Sparks #1-28

1982' FSL & 2305' FWL

Sec. 28, T22s, R21w

Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Sparks #1-28
1982' FSL & 2305' FWL
Sec. 28, T22s, R21w
Hodgeman County, Kansas
API # 15-083-21875-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: January 9, 2013

Completion Date: January 17, 2013

Elevation 2248' G.L.
2259' K.B.

Directions: From Hanston, KS. Go 5 miles East on Hwy 156 to 233 Rd. Go South 5 miles on 233 Rd to O Rd. Go West ½ mile on O Rd and South into location.

Casing: #28 8 5/8" surface casing @ 234 with 150 sacks
Class A, 3% c.c, 2% gel.

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer "D. Kerr"-Stacked Micro

Drillstem Tests: Two, Trilobite Testing, Inc. "Andy Carreira"

Problems: None

Formation Tops

Formation

Heebner
Douglas
Lansing
Stark
BKC
Marmaton
Pawnee
Fort Scott
Cherokee
Mississippian
Osage
RTD
LTD

American Warrior, Inc.

Sparks #1-28

Sec. 28, T22s, R21w

1982' FSL & 2305' FWL

3846' -1587

3875' -1616

3917' -1658

4169' -1910

4287' -2028

4292' -2033

4362' -2103

4441' -2182

4463' -2204

4474' -2264

4524' -2265

4539' -2280

4600' -2341

4602' -2343

Sample Zone Descriptions

Mississippian Osage (4539' -2280) Covered in DST #1 & DST #2

Chert- White. Triptolitic. Scattered pin point vuggy porosity and poor intercrystalline porosity. Tight slightly dolomitic chert. Poor stain and no saturation. Poor to absence of odor.

Drill Stem Tests
Trilobite Testing Inc.
"Andy Carreira"

DST #1

Mississippian Osage

Interval (4481' – 4545') Anchor Length 64'

IHP	- 2341 #	
IFP	- 30" – Weak Blow died in 15 min	22-30 #
ISI	- 30" – No return	1060 #
FFP	- 10" – No blow	33-34 #
FSIP	- Pull Tool	NA
FHP	- 2272 #	
BHT	- 112° F	

Recovery: 10' Mud

DST #2

Mississippian Osage

Interval (4541' – 4555') Anchor Length 14'

IHP	- 2274 #	
IFP	- 30" – Weak blow died in 9 min	20-25 #
ISI	- 30" – No Return	1343 #
FFP	- 10" – No blow	27-29 #
FSIP	- Pull Tool	NA
FHP	- 2208 #	
BHT	- Not Recorded	

Recovery: 10' Mud

Structural Comparison

	American Warrior, Inc. Spark #1-28 Sec. 28, T22s, R21w 1982' FSL & 2305' FWL		American Warrior, Inc. Cure #1-33 Sec. 33, T22s, R21w 1550' FNL & 335' FWL		Rain and Williamson Oil Co. Cure #1 Sec 33, T22s, R21w C NW NE
Formation					
Heebner	3846' -1587	+4	3801' -1591	-6	3842' -1581
Douglas	3875' -1616	+1	3827' -1617	-8	3869' -1608
Lansing	3917' -1658	+7	3875' -1665	-1	3918' -1657
Stark	4169' -1910	-1	4119' -1909	NA	NA
BKC	4287' -2028	-6	4232' -2022	-5	4284' -2023
Marmaton	4292' -2033	-3	4240' -2030	+3	4297' -2036
Pawnee	4362' -2103	-1	4312' -2102	-9	4355' -2094
Fort Scott	4441' -2182	-1	4391' -2181	-7	4436' -2175
Cherokee	4463' -2204	+1	4415' -2205	-5	4460' -2199
Miss.	4539' -2280	-24	4466' -2256	-27	4514' -2253

Summary

The location for the Sparks #1-28 well was found via 3-D seismic survey. The new well ran structurally as expected until the Mississippian Osage formation did not develop right away. Two drill stem tests were conducted, which were negative. After all gathered data had been examined the decision was made to plug and abandon the Sparks #1-28 well.

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

Date 1-17-13 District Great Bend Ticket No. 059195
 Company American Electric Rig Duke #5
 Lease Sparks Well No. 1-28
 County Madison State KS
 Location 6 miles west of Buckett Field _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars _____
 Open Hole: Size 7 7/8 T.D. 4160 ft. P.B. to Surface ft.

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbls/Lin. ft. .01422 Lin. ft./Bbl. 70.32
 Annulus: Bbbls/Lin. ft. .0406 Lin. ft./Bbl. 246474
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Firson 12.5
 Amt. _____ Sks Yield _____ ft³/sk Density 8.33 PPG _____

LEAD: Pump Time _____ hrs. Type Case A
60/40 4 1/2 Gal 1/4 57k Excess _____
 Amt. 230 Sks Yield 1.4 ft³/sk Density 14.5 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbbls.

Pump Trucks Used 3241 - Truitt Shell
 Bulk Equip. 341 - Charles H

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE Lawrence M. Lane CEMENTER Patrick Helgeson

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:30 AM						Arrive on location
10:35 AM						115 up
11:15 AM		100		6 bbls		3 Water ahead
11:17 AM		100		12.8 bbls		3 cement @ 14.5 PPG
11:21 AM		0		2 bbls		3 Water behind
11:22 AM		0		141.76 bbls		9 Mud behind pumped by 119
11:23 AM						Set 50 sk plug @ 1410'
11:58 AM		75		6 bbls		3 Water ahead
12:00 AM		75		12.8 bbls		3 cement @ 14.5 PPG
12:04 PM		0		91.5 bbls		3 Water behind
12:06 PM						Set 50 sk plug @ 570
12:18 PM		50		2 bbls		3 Water ahead
12:19 PM		50		12.8 bbls		3 cement @ 14.5 PPG
12:23 PM		0		5 bbls		3 Water behind
12:24 PM						Set 50 sk plug @ 270
12:33 PM		0		5 bbls		3 typical at well with 20 sks
12:35 PM		0		7.5 bbls		3 Plugged rethole with 30 sks
12:38 PM		0		5 bbls		3 Plugged mousehole with 20 sks
12:42 PM						119 down
1:00 PM						Leave location

FINAL DISP. PRESS. N/A PSI BUMP PLUG TO N/A PSI BLEEDBACK N/A BBLs. THANK YOU

CEMENTING LOG

STAGE NO. _____

Date 4-13 District Greene, KS Ticket No. 51233
 Company Am. in Harrison Rig 124K 5
 Lease AS Well No. 1-29
 County Woods State KS
 Location Hardy 6 1/2 35 1/2 W Field _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type New Weight 24.2 Collar GRJ

Casing Depths: Top KB Bottom 234

Drill Pipe: Size 4 1/2 Weight 16.6 Collars x-hole
 Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. .2637 Lin. ft./Bbl. 15.70
 Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbls/Lin. ft. .1242 Lin. ft./Bbl. 70.32
 Annulus: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft to _____ ft Amt. _____

CEMENT DATA:
 Spacer Type: Fresh water
 Amt. 56613 Sks Yield _____ ft³/sk Density 9.34 PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time 4.2 hrs. Type Class A
3-lure 2-lure Excess _____
 Amt. 150 Sks Yield 1.34 ft³/sk Density 15.2 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbbls.

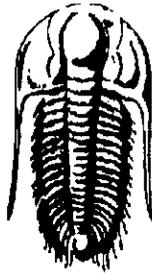
Pump Trucks Used 366 - TAT H
 Bulk Equip. 341 - Charles K

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh water Amt. _____ Bbbls. Weight 4.34 PPG
 Mud Type None Weight 4.2 PPG

COMPANY REPRESENTATIVE Ken ...

CEMENTER Dustin C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbls Min.	
						2 in location - Rig up Had safety meeting
						Run 8 5/8 casing Break circulation with Rig mud Hook up cement pump
				56613		pump 56613 Freshwater ahead
			42.79	35.79		Mix 150 sks class A 3-lure 2-lure
			54.74	19.95		Displace - 13.95 bbls Freshwater + 9447 in
						ceMENT did circulation
						plug down 4:30 PM
						Rig down



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior inc**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Sparks #1-28

28-22s-21w Hodgeman,KS

Start Date: 2013.01.15 @ 13:16:05

End Date: 2013.01.15 @ 19:46:59

Job Ticket #: 51457 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.24 @ 09:26:38

American Warrior inc

28-22s-21w Hodgeman,KS

Sparks #1-28

DST # 1

Osage

2013.01.15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

28-22s-21w Hodgeman,KS

Sparks #1-28

Job Ticket: 51457

DST#: 1

Test Start: 2013.01.15 @ 13:16:05

GENERAL INFORMATION:

Formation: **Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:57:50

Time Test Ended: 19:46:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: **4481.00 ft (KB) To 4545.00 ft (KB) (TVD)**

Reference Elevations: 2259.00 ft (KB)

Total Depth: 4545.00 ft (KB) (TVD)

2249.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 8372

Outside

Press@RunDepth: 30.62 psig @ 4488.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.15

End Date:

2013.01.15

Last Calib.: 2013.01.15

Start Time: 13:16:05

End Time:

19:46:59

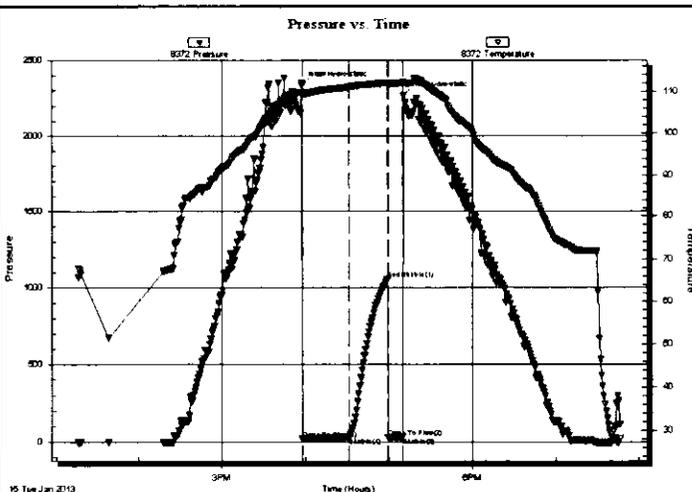
Time On Btm: 2013.01.15 @ 15:57:40

Time Off Btm: 2013.01.15 @ 17:10:40

TEST COMMENT: IF:(30min) Weak blow died in 15 min.

IS:(30min) No Return

FF:(10min) No Blow . Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.63	109.84	Initial Hydro-static
1	22.74	108.97	Open To Flow (1)
34	30.62	111.01	Shut-in(1)
62	1060.58	112.04	End Shut-in(1)
62	33.01	111.40	Open To Flow (2)
73	34.81	112.00	Shut-in(2)
74	2272.18	112.21	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

28-22s-21w Hodgeman,KS
Sparks #1-28
Job Ticket: 51457 **DST#: 1**
Test Start: 2013.01.15 @ 13:16:05

Tool Information

Drill Pipe:	Length: 4202.00 ft	Diameter: 3.80 inches	Volume: 58.94 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 280.62 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	78000.00 lb
		Total Volume: 60.32 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	29.62 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4481.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	92.00 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			4454.00	
Shut In Tool	5.00			4459.00	
Hydraulic tool	5.00			4464.00	
Jars	5.00			4469.00	
Safety Joint	3.00			4472.00	
Packer	5.00			4477.00	28.00 Bottom Of Top Packer
Packer	4.00			4481.00	
Stubb	1.00			4482.00	
Perforations	5.00			4487.00	
Change Over Sub	1.00			4488.00	
Recorder	0.00	8844	Inside	4488.00	
Recorder	0.00	8372	Outside	4488.00	
Drill Pipe	31.00			4519.00	
Change Over Sub	1.00			4520.00	
Perforations	22.00			4542.00	
Bullnose	3.00			4545.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

28-22s-21w Hodgeman,KS
Sparks #1-28
Job Ticket: 51457 **DST#: 1**
Test Start: 2013.01.15 @ 13:16:05

Mud and Cushion Information

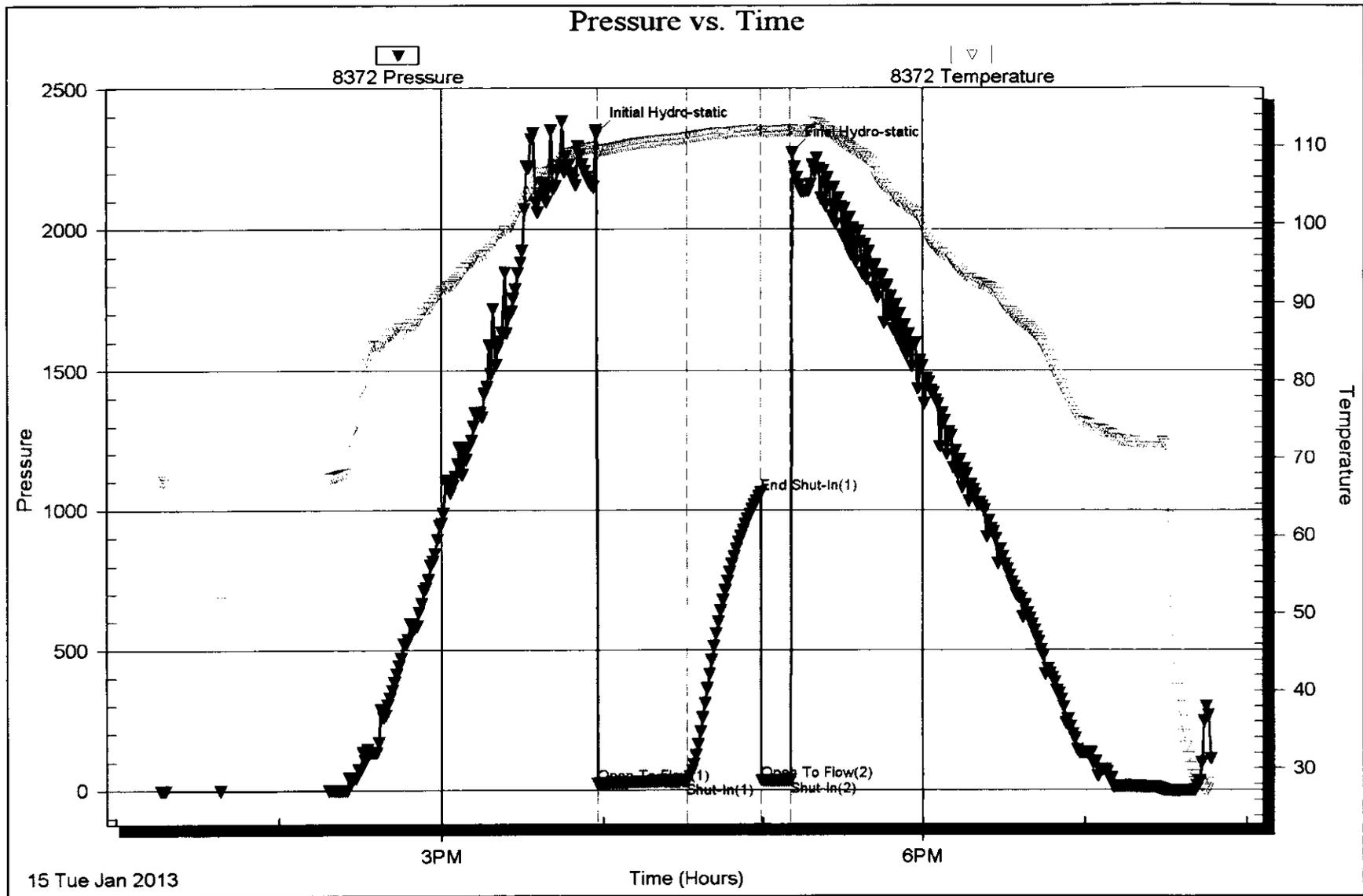
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.15 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8400.00 ppm			
Filter Cake: inches			

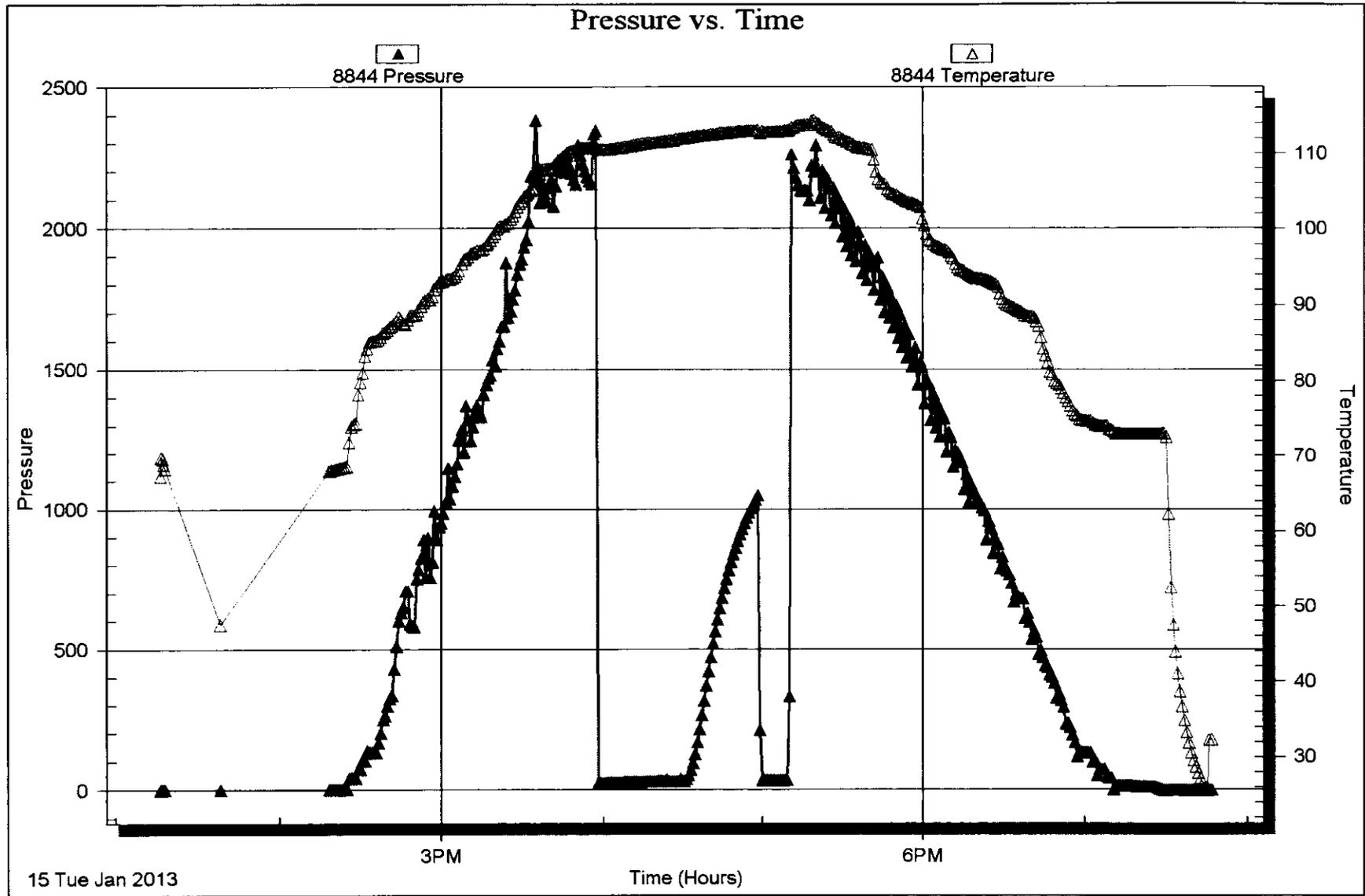
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior inc**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Sparks #1-28

28-22s-21w Hodgeman,KS

Start Date: 2013.01.16 @ 05:37:05

End Date: 2013.01.16 @ 11:41:59

Job Ticket #: 51458 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.01.24 @ 09:25:28

American Warrior Inc
28-22s-21w Hodgeman,KS
Sparks #1-28
DST # 2
Osage
2013.01.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior inc
 PO Box 399
 Garden City KS 67846
 ATTN: Kevin Timson

28-22s-21w Hodgeman,KS

Sparks #1-28

Job Ticket: 51458 **DST#: 2**
 Test Start: 2013.01.16 @ 05:37:05

GENERAL INFORMATION:

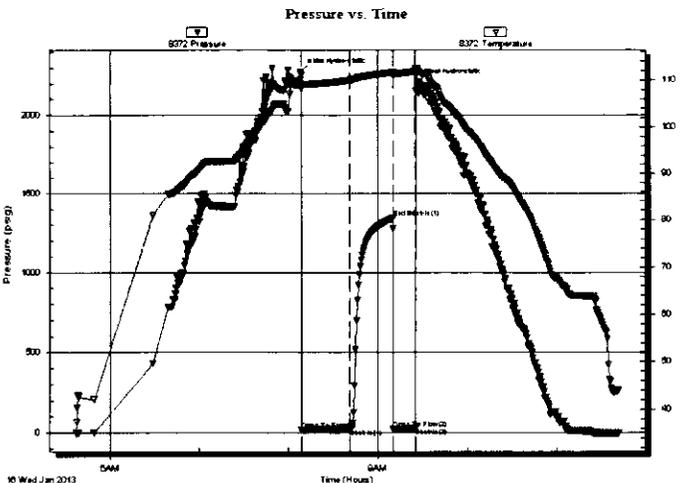
Formation: **Osage**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:09:10
 Time Test Ended: 11:41:59
 Interval: **4541.00 ft (KB) To 4555.00 ft (KB) (TVD)**
 Total Depth: 4545.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2259.00 ft (KB)
 2249.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8372

Outside

Press@RunDepth: 24.55 psig @ 4542.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.16 End Date: 2013.01.16 Last Calib.: 2013.01.16
 Start Time: 05:37:05 End Time: 11:41:59 Time On Btm: 2013.01.16 @ 08:08:20
 Time Off Btm: 2013.01.16 @ 09:27:00

TEST COMMENT: IF:(30min) Weak Blow , died in 9 min.
 IS:(30min) No Return
 FF:(10min) No Blow , Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2273.17	109.16	Initial Hydro-static
1	19.27	108.35	Open To Flow (1)
33	24.55	110.04	Shut-In(1)
62	1342.77	111.72	End Shut-In(1)
62	26.57	111.10	Open To Flow (2)
77	28.52	111.93	Shut-In(2)
79	2207.40	112.64	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

28-22s-21w Hodgeman,KS
Sparks #1-28
Job Ticket: 51458 **DST#: 2**
Test Start: 2013.01.16 @ 05:37:05

Tool Information

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 280.62 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 86000.00 lb
		Total Volume: 61.16 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.62 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4541.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			4514.00	
Shut In Tool	5.00			4519.00	
Hydraulic tool	5.00			4524.00	
Jars	5.00			4529.00	
Safety Joint	3.00			4532.00	
Packer	5.00			4537.00	28.00 Bottom Of Top Packer
Packer	4.00			4541.00	
Stubb	1.00			4542.00	
Recorder	0.00	8844	Inside	4542.00	
Recorder	0.00	8372	Outside	4542.00	
Perforations	10.00			4552.00	
Bullnose	3.00			4555.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior inc
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

28-22s-21w Hodgeman,KS
Sparks #1-28
Job Ticket: 51458 **DST#: 2**
Test Start: 2013.01.16 @ 05:37:05

Mud and Cushion Information

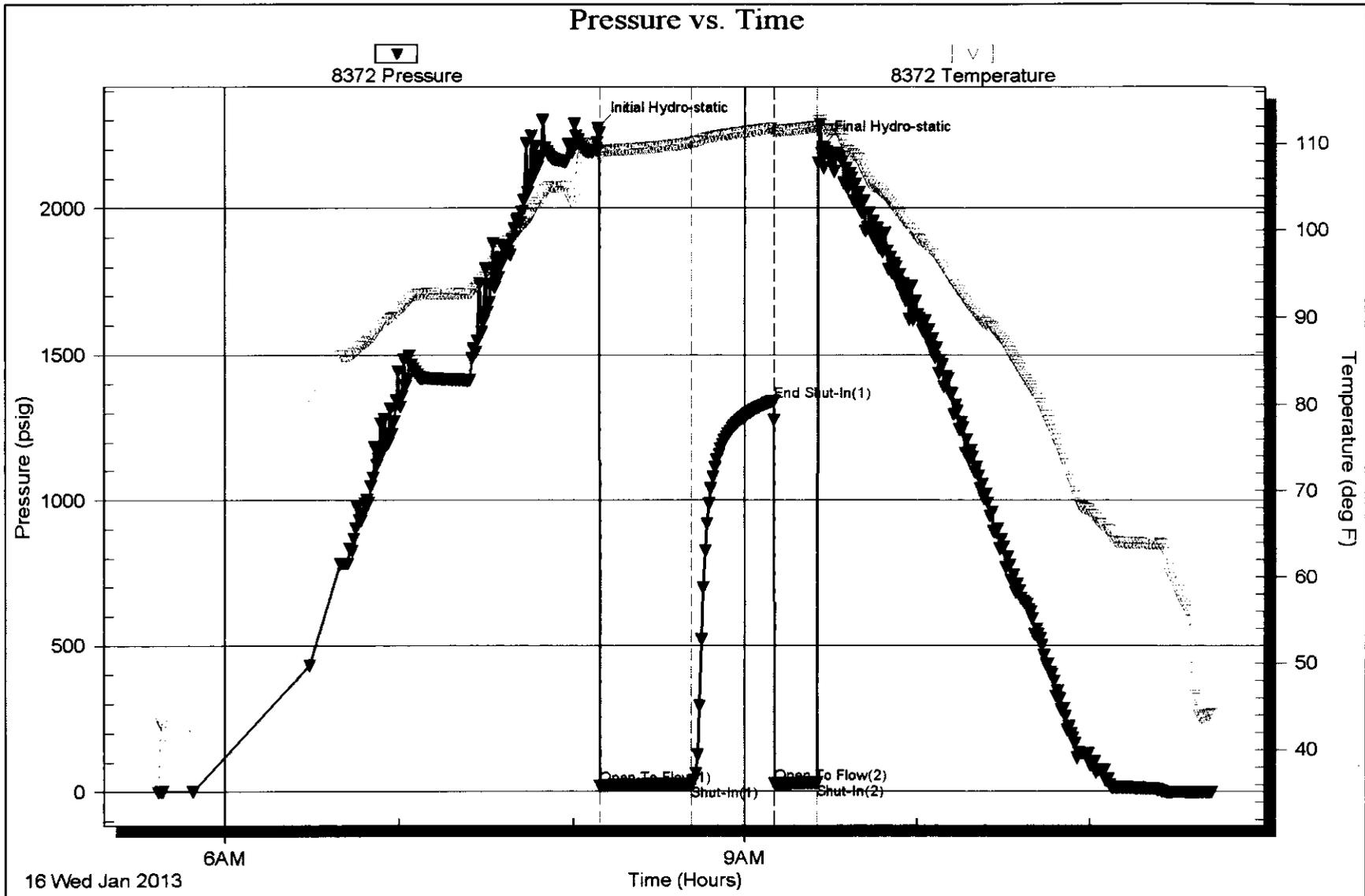
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.14 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8400.00 ppm			
Filter Cake: inches			

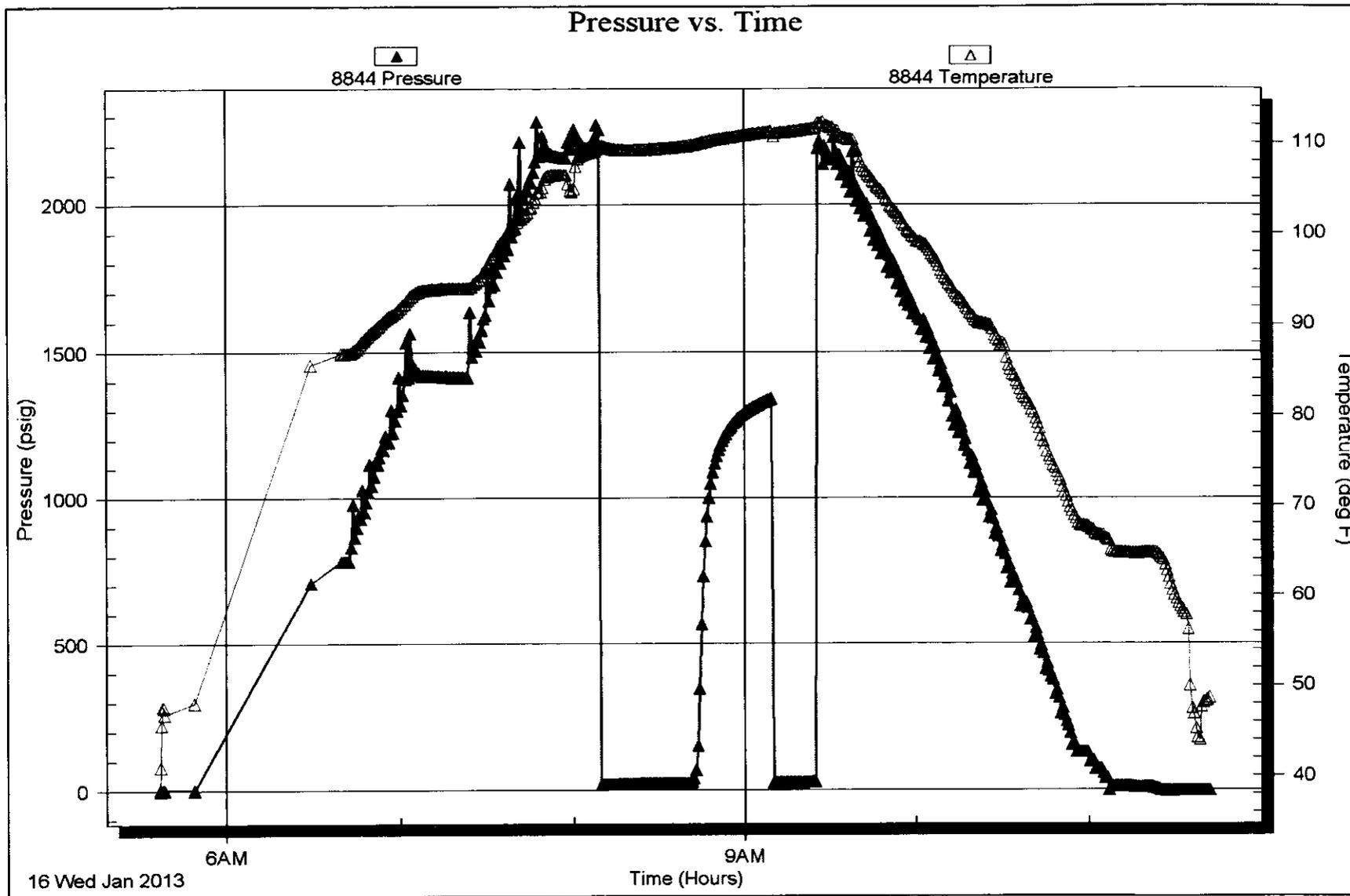
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 51457

Well Name & No	SPARKS #1-28		Test No.	1	Date	1-15-13
Company	AMERICAN WARRIOR		Elevation	2259	KB	2249
Address	PO Box 399 Garden City Ks. 67846		GL			
Co. Rep / Geo.	KEVIN TIMSON		Rig	Duke #5		
Location Sec	28	Twp.	22S	Rge	21W	Co. Noddyman
						State KS

Interval Tested	4481-4545	Zone Tested	OSAGE
Anchor Length	64'	Drill Pipe Run	7302
Top Packer Depth	4476	Drill Collars Run	280.00
Bottom Packer Depth	4481	Wt. Pipe Run	0
Total Depth	4545	Chlorides	8400 ppm System
Blow Description	IFI Weak blow, sized in 15 min.		

ISL NO RETURN
 FF No blow, Pulls [Tool]
 FSL —

Rec	Feet of	%gas	%oil	%water	%mud
10	MUD				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 112' Gravity API RW @ F Chlorides ppm

(A) Initial Hydrostatic	2341	<input checked="" type="checkbox"/> Test	1250	T On Location	11:51
(B) First Initial Flow	22	<input checked="" type="checkbox"/> Jars	250	T-Started	13:16
(C) First Final Flow	30	<input checked="" type="checkbox"/> Safety Joint	75	T-Open	16:00
(D) Initial Shut In	1060	<input type="checkbox"/> Circ Sub		T-Pulled	17:10
(E) Second Initial Flow	33	<input type="checkbox"/> Hourly Standby		T Out	19:48
(F) Second Final Flow	34	<input checked="" type="checkbox"/> Mileage	144RT 223.20	Comments	motel
(G) Final Shut In		<input type="checkbox"/> Sampler		<input type="checkbox"/> Rusted Shale Packer	
(H) Final Hydrostatic	2272	<input type="checkbox"/> Straddle		<input type="checkbox"/> Rusted Packer	

Initial Open	30	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Initial Shut In	30	<input type="checkbox"/> Extra Recorder		Sub Total	0
Final Flow	10	<input type="checkbox"/> Day Standby		Total	1798.20
Final Shut In		<input type="checkbox"/> Accessibility		MPPDSI Disc:	
		Sub Total	1798.20		

Approved by

Our Representative

TriLOBITE Testing Inc. is not liable for damage of any kind to the property or personnel of the site for which a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinions 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. 51458

Well Name & No	SPARKS #1-28	Test No	2	Date	1-16-13
Company	AMERICA WARRIOR INC	Elevation	2259	KB	2249
Address	PO BOX 399 GARDEN CITY KS 67846				
Co. Rep / Geo.	KEVIN TIMSON	Rig	DuKE #5		
Location: Sec.	28	Twp.	22S	Rge.	21W
		Co.	Hodgeman	State	Ks.

Interval Tested	4541-4555	Zone Tested	OSAGE
Anchor Length	14	Drill Pipe Run	4262
Top Packer Depth	4536	Drill Collars Run	280.62
Bottom Packer Depth	4541	WT. Pipe Run	0
Total Depth	4555	Chlorides	8400 ppm System
Blow Description	IF: NEAR blow, died in 9min 1ST: NO RETURN FP: NO BLOW, PULLED TOO! FSL		
Mud Wt	9.5	Vis	55
WL	15.2	LCM	TR.

Rec	Feet of	%gas	%oil	%water	%mud
10	Mud				

Rec total	10	BHT	111°	Gravity	API RW	@	F Chlorides	ppm
(A) Initial Hydrostatic	2273	<input checked="" type="checkbox"/> Test	← 1250	T On Location	05:17			
(B) First Initial Flow	19	<input checked="" type="checkbox"/> Jars	← 250	T-Started	05:37			
(C) First Final Flow	24	<input checked="" type="checkbox"/> Safety Joint	← 75	T-Open	08:10			
(D) Initial Shut-In	1342	<input type="checkbox"/> Circ Sub		T-Pulled	09:20			
(E) Second Initial Flow	26	<input type="checkbox"/> Hourly Standby		T-Out	11:42			
(F) Second Final Flow	28	<input checked="" type="checkbox"/> Mileage	144mi @ 223.20	Comments				
(G) Final Shut-In		<input type="checkbox"/> Sampler						
(H) Final Hydrostatic	2207	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruled Shale Packer				
Initial Open	30	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruled Packer				
Initial Shut-In	30	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies				
Final Flow	10	<input type="checkbox"/> Extra Recorder		Sub Total	0			
Final Shut-In		<input type="checkbox"/> Day Standby		Total	1798.20			
		<input type="checkbox"/> Accessibility		MP/DST Disc 1				
		Sub Total	1798.20					

Approved By

Our Representative

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