KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1109829

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:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21875-00-00
Spot Description:
SW - NE - NE - SW Sec. 28 Twp. 22 S. R. 21 [ ] East [x] West
1982 Feet from [ ] North / [x] South Line of Section
2305 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] 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 [x] 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:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 01/24/2013

Side Two

[redacted]

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Stacked Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

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
Surface	12.250	8.625	28	234	Class A	150	3%CC, 2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Sparks 1-28
Doc ID	1109829

Tops

Name	Top	Datum
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

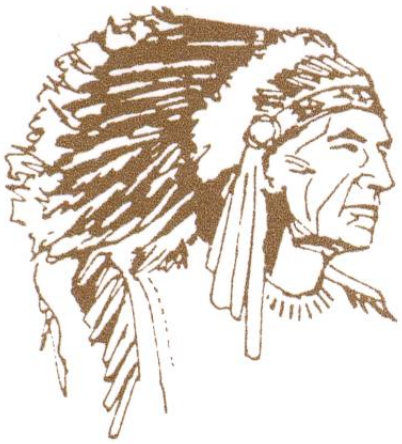
American Warrior, Inc.

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	American Warrior, Inc. Sparks #1-28 Sec. 28, T22s, R21w 1982’ FSL & 2305’ FWL
Heebner	3846’ -1587
Douglas	3875’ -1616
Lansing	3917’ -1658
Stark	4169’ -1910
BKC	4287’ -2028
Marmaton	4292’ -2033
Pawnee	4362’ -2103
Fort Scott	4441’ -2182
Cherokee	4463’ -2204
Mississippian	4474’ -2264
Osage	4524’ -2265
RTD	4539’ -2280
LTD	4600’ -2341
	4602’ -2343

Sample Zone Descriptions

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

Chert- White. Triptolotic. 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

Formation	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
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.

ALLIED
OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 1-17-13 District Great Bend Ticket No. 054195
Company American Warrior Rig Duke #5
Lease Sparks Well No. 1-28
County Hodgeman State KS
Location 6 miles West & Burdett 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. 4600 ft. P.B. to Surface ft.

CAPACITY FACTORS:

Casing:	Bbls/Lin. ft.	Lin. ft./Bbl.
Open Holes:	Bbls/Lin. ft.	Lin. ft./Bbl.
Drill Pipe:	Bbls/Lin. ft. .01422	Lin. ft./Bbl. 70.32
Annulus:	Bbls/Lin. ft. .0406	Lin. ft./Bbl. 246.474
	Bbls/Lin. ft.	Lin. ft./Bbl.

Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type: Fresh Water
Amt. Sks Yield ft³/sk Density 8.33 PPG

LEAD: Pump Time hrs. Type Class A
60/40 4% Gel 1/4 Flk Excess
Amt. 220 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 Bbls.

Pump Trucks Used 224 - Tony Hall
Bulk Equip. 341 - Charles G

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

COMPANY REPRESENTATIVE Trevor McKee CEMENTER Patrick Helgerson

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
10:30 AM						Arrive on location
10:35 AM						Rig 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		161.76 bbls		9	mud behind pumped by rig
11:23 AM						set 50 sk plug @ 1410'
11:58 AM	75		6 bbls		3	Water ahead
12:00 PM	75		12.8 bbls		3	cement @ 14.5 PPG
12:04 PM	0		1.5 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 bbl		3	Topped off well with 20 sks
12:35 PM	0		7.5 bbl		3	Plugged rathole with 30 sks
12:38 PM	0		5 bbl		3	Plugged mousehole with 20 sks
12:42 PM						Rig down
1:00 PM						Leave location

FINAL DISP. PRESS: N/A PSI BUMP PLUG TO N/A PSI BLEEDBACK N/A BBLS.

THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 6-5-13 District Great Bend, KS Ticket No. 5237

Company American Warrior Rig Duke 5

Lease [illegible] Well No. 1-25

County [illegible] State KS

Location Bucher 6W 3S 1/2W Field [illegible]

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐

Surface ☒ Intermediate ☐ Production ☐ Liner ☐

Size 8 5/8 Type New Weight 24# Collar SRJ

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:	Bbls/Lin. ft.	.0637	Lin. ft./Bbl.	15.70
Open Holes:	Bbls/Lin. ft.		Lin. ft./Bbl.	
Drill Pipe:	Bbls/Lin. ft.	.0142	Lin. ft./Bbl.	70.32
Annulus:	Bbls/Lin. ft.		Lin. ft./Bbl.	
	Bbls/Lin. ft.		Lin. ft./Bbl.	

Perforations: From ____ ft. to ____ ft. Amt. ____

CEMENT DATA:

Spacer Type: Freshwater

Amt. 5bbls Sks Yield ____ ft³/sk Density 8.34 PPG

LEAD: Pump Time ____ hrs. Type ____

Excess ____

Amt. ____ Sks Yield ____ ft³/sk Density ____ PPG

TAIL: Pump Time thickening hrs. Type Class A

3%cc 2%gel Excess ____

Amt. 150 Sks Yield 1.37 ft³/sk Density 15.2 PPG

WATER: Lead ____ gals/sk Tail ____ gals/sk Total ____ Bbls.

Pump Trucks Used 366-Trent 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 Freshwater Amt. ____ Bbls. Weight 8.34 PPG

Mud Type Native Weight 9.2 PPG

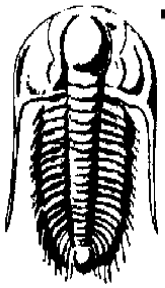
COMPANY REPRESENTATIVE [illegible] CEMENTER Dustin C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						DN Locarion - Rig up
						Had safety meeting
						Run 8 5/8 casing
						Break circulation with Rig Mud
						Hook up cement pump
				5bbls		pump 5bbls Freshwater Ahead
			42.74	35.79		Mix 150 sks class A 3%cc 2%gel
			54.74	13.95		Displace - 13.95 bbls Freshwater
						Shut in
						cement did circulate
						plug Down 4:30 pm
						Rig Down

FINAL DISP. PRESS: ____ PSI BUMP PLUG TO ____ PSI BLEEDBACK ____ BBLS.

THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS



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

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)
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

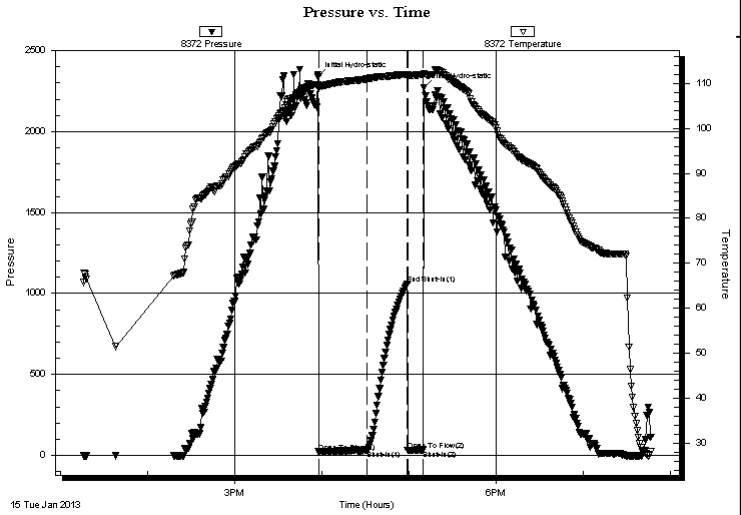
Reference Elevations: 2259.00 ft (KB)
2249.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8372 **Outside**

Press@RunDepth: 30.62 psig @ 4488.00 ft (KB)
Start Date: 2013.01.15 End Date: 2013.01.15
Start Time: 13:16:05 End Time: 19:46:59

Capacity: 8000.00 psig
Last Calib.: 2013.01.15
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.
ISI:(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)

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:

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Test Type: Conventional Bottom Hole (Initial)
Tester: Andy Carreira
Unit No: 39

Interval: 4481.00 ft (KB) To 4545.00 ft (KB) (TVD)
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

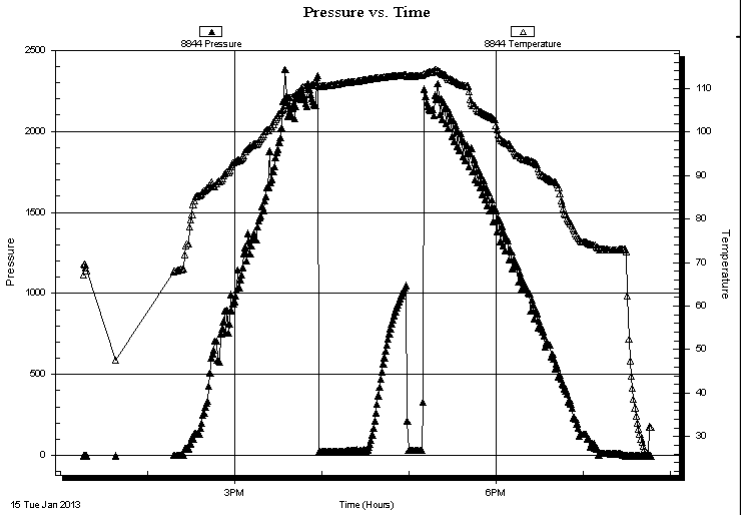
Reference Elevations: 2259.00 ft (KB)
2249.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8844 **Inside**

Press@RunDepth: psig @ 4488.00 ft (KB)
Start Date: 2013.01.15 End Date: 2013.01.15
Start Time: 13:16:05 End Time: 19:46:50

Capacity: 8000.00 psig
Last Calib.: 2013.01.15
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) Weak blow died in 15 min.
ISI:(30min) No Return
FF:(10min) No Blow . Pulled tool



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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

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**					

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 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8400.00 ppm				
Filter Cake:	inches				

Recovery Information

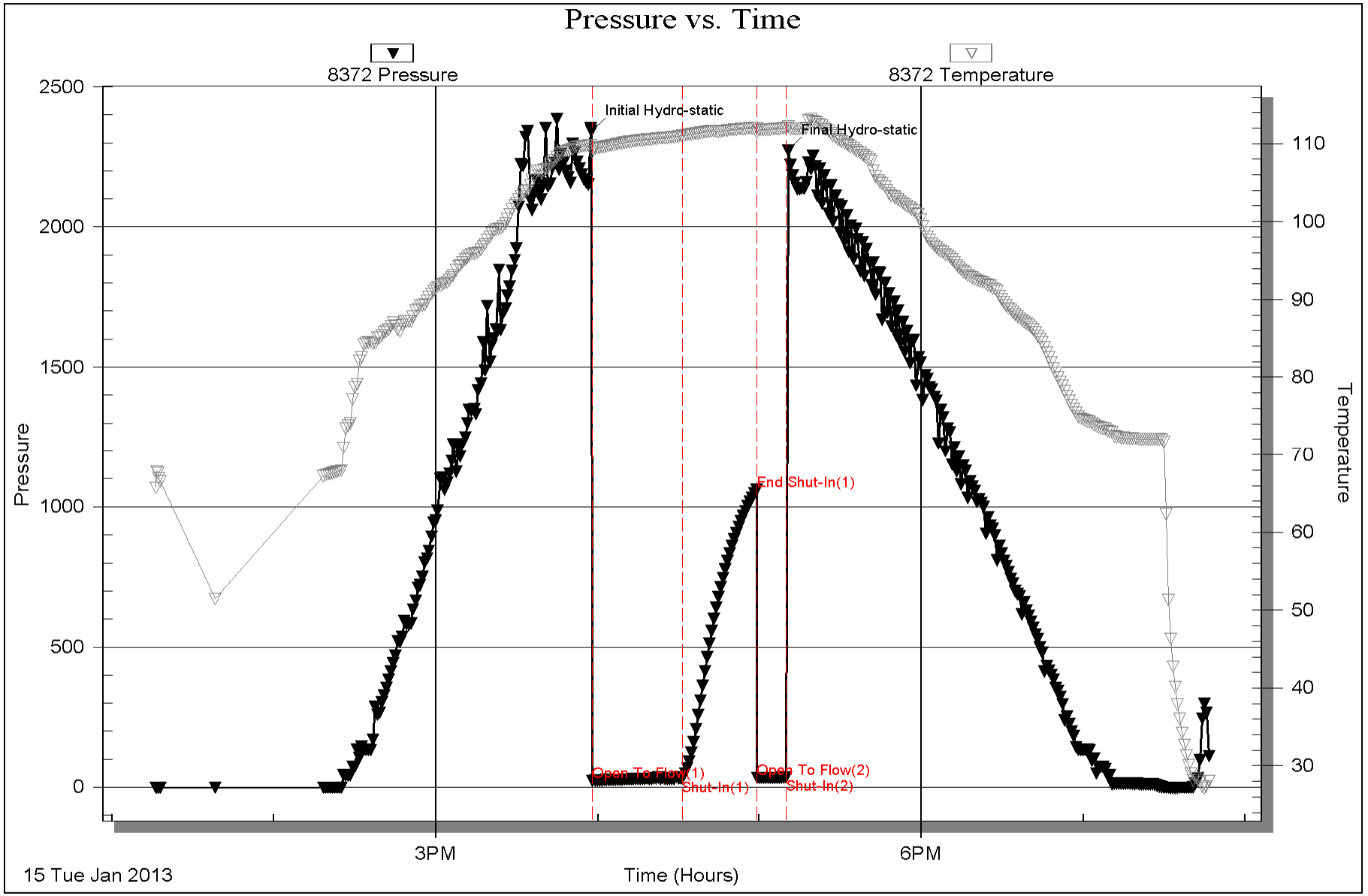
Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

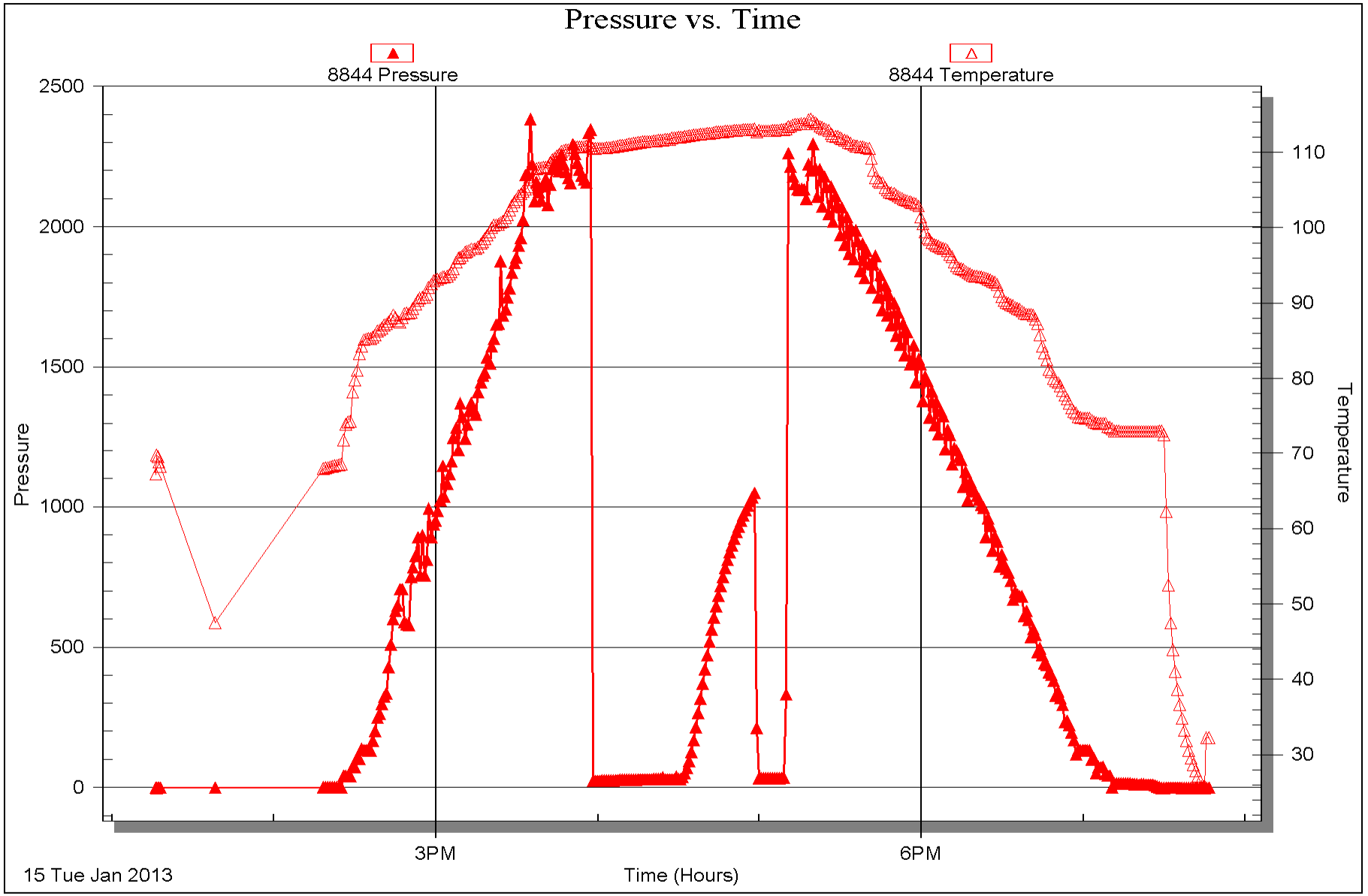
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8372 **Outside** American Warrior inc Sparks #1-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51457 Printed: 2013.01.24 @ 09:26:40

Serial #: 8844 **Inside** American Warrior inc Sparks #1-28 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51457 Printed: 2013.01.24 @ 09:26:41

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

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

Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39

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:

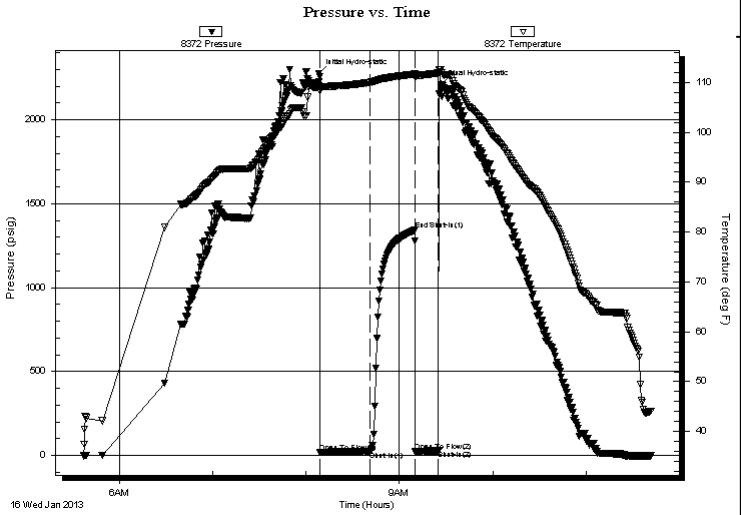
Reference Elevations: 2259.00 ft (KB)
2249.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8372 **Outside**

Press@RunDepth: 24.55 psig @ 4542.00 ft (KB)
Start Date: 2013.01.16 End Date: 2013.01.16
Start Time: 05:37:05 End Time: 11:41:59

Capacity: 8000.00 psig
Last Calib.: 2013.01.16
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.
ISI:(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)

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

Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39

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:

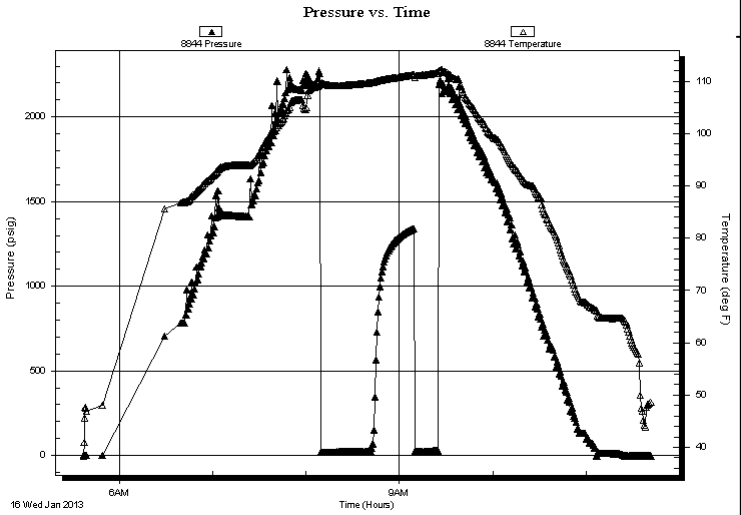
Reference Elevations: 2259.00 ft (KB)
2249.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8844 **Inside**

Press@RunDepth: psig @ 4542.00 ft (KB)
Start Date: 2013.01.16 End Date: 2013.01.16
Start Time: 05:37:05 End Time: 11:41:50

Capacity: 8000.00 psig
Last Calib.: 2013.01.16
Time On Btm:
Time Off Btm:

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



PRESSURE SUMMARY

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

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)

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	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**					

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 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8400.00 ppm				
Filter Cake:	inches				

Recovery Information

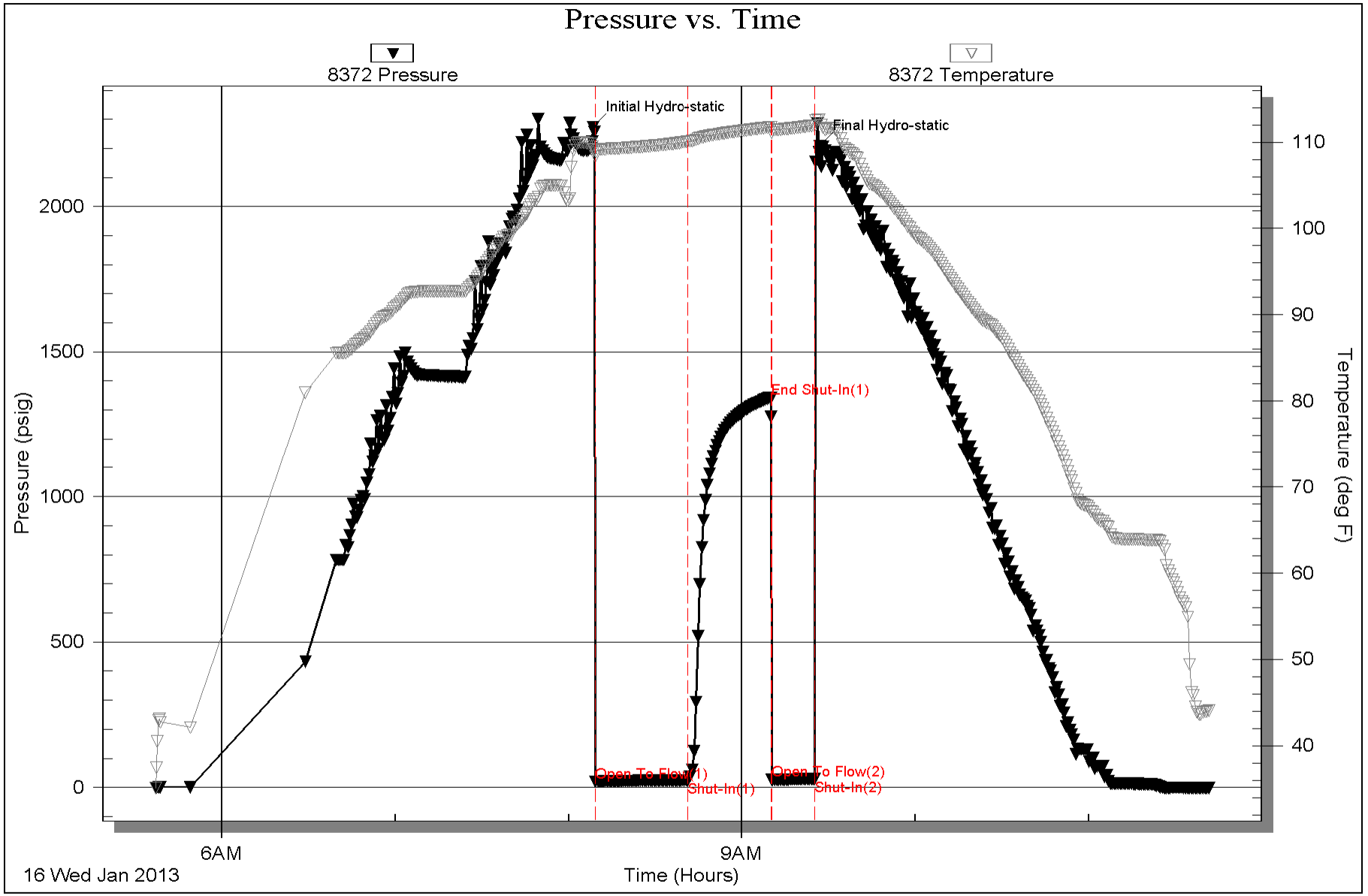
Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

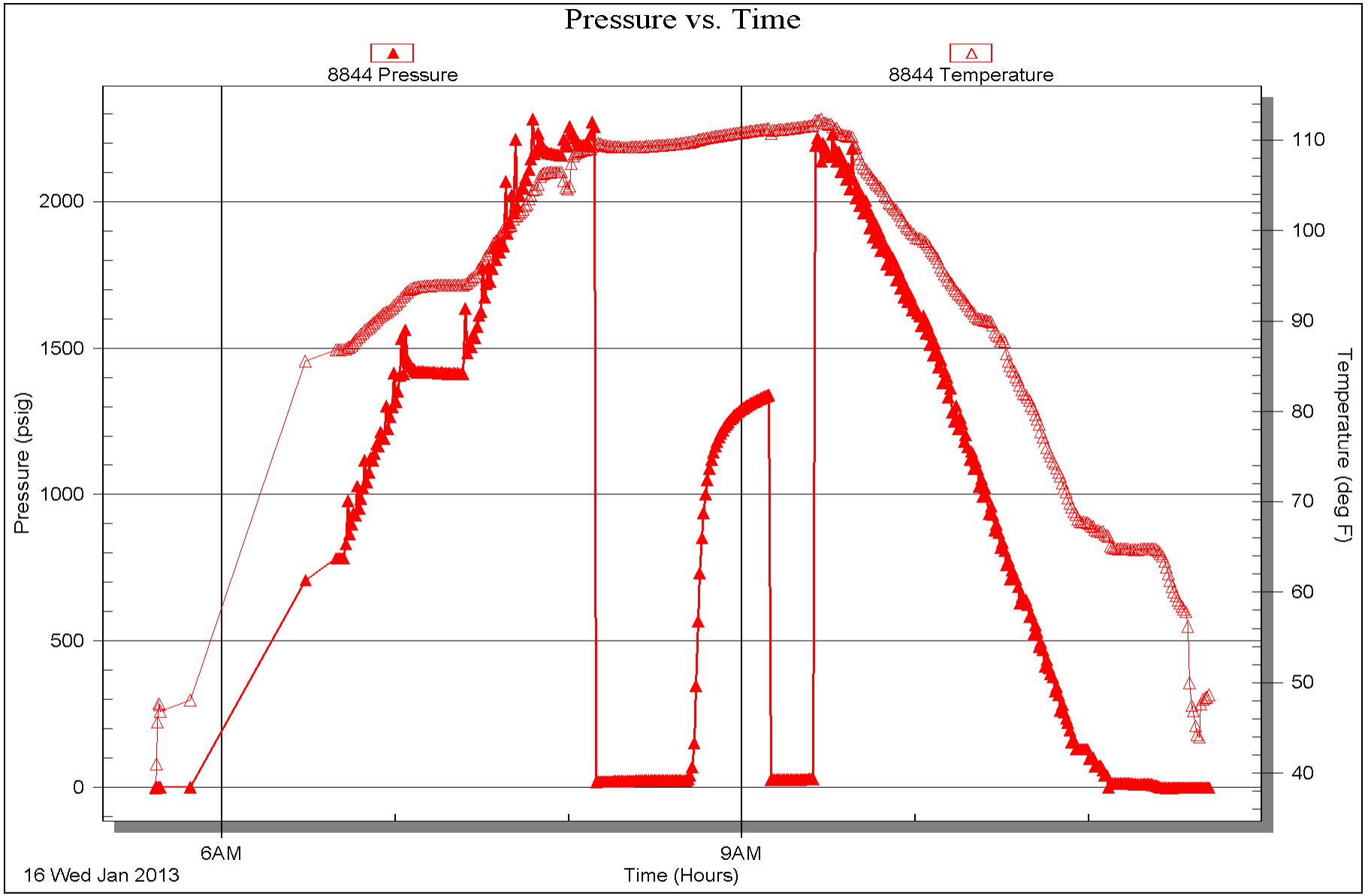
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8372 **Outside** American Warrior inc Sparks #1-28 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51458 Printed: 2013.01.24 @ 09:25:31

Serial #: 8844 **Inside** American Warrior inc Sparks #1-28 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51458 Printed: 2013.01.24 @ 09:25:32

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51457

Well Name & No. Sparks #1-28 Test No. 1 Date 1-15-13

Company American Warrior Elevation 2259 KB 2249 GL

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 4481-4545 Zone Tested Osage

Anchor Length 64' Drill Pipe Run 4202 Mud Wt. 9.5

Top Packer Depth 4476 Drill Collars Run 280.62 Vis 55

Bottom Packer Depth 4481 Wt. Pipe Run 0 WL 15.2

Total Depth 4545 Chlorides 8400 ppm System LCM Tr.

Blow Description IFP: Weak blow, Died in 15 min.

ISI: No Return

FP: No blow, Pulled Tool

FSI: —

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

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

(A) Initial Hydrostatic 2341	☑ Test 1250	T-On Location 11:51	
(B) First Initial Flow 22	☑ Jars 250	T-Started 13:16	
(C) First Final Flow 30	☑ Safety Joint 75	T-Open 16:00	
(D) Initial Shut-In 1060	☐ Circ Sub	T-Pulled 17:10	
(E) Second Initial Flow 33	☐ Hourly Standby	T-Out 19:48	
(F) Second Final Flow 34	☑ Mileage 144RT 223.20	Comments Motel	
(G) Final Shut-In	☐ Sampler		
(H) Final Hydrostatic 2272	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 10	☐ Day Standby	Total 1798.20	
Final Shut-In	☐ Accessibility	MP/DST Disc't	
	Sub Total 1798.20		

Approved By Our Representative

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

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 GL

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 Mud Wt. 9.5

Top Packer Depth 4536 Drill Collars Run 280.62 Vis 55

Bottom Packer Depth 4541 Wt. Pipe Run 0 WL 15.2

Total Depth 4555 Chlorides 8400 ppm System LCM 1#.

Blow Description IF: Weak blow, died in 9min

ISI: No Return

FF: No Blow, Pulled Tool

FSI: —

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

Rec Total 10 BHT 111° Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2273	☑ Test 1250	T-On Location 05:17
(B) First Initial Flow 19	☑ Jars 250	T-Started 05:37
(C) First Final Flow 24	☑ Safety Joint 75	T-Open 08:10
(D) Initial Shut-In 1342	☐ Circ Sub	T-Pulled 09:20
(E) Second Initial Flow 26	☐ Hourly Standby	T-Out 11:42
(F) Second Final Flow 28	☑ Mileage 144mi 223.20	Comments
(G) Final Shut-In —	☐ Sampler	
(H) Final Hydrostatic 2207	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0
Final Flow 10	☐ Day Standby	Total 1798.20
Final Shut-In —	☐ Accessibility	MP/DST Disc't
	Sub Total 1798.20	

Approved By Our Representative