KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1156124

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: Scott Corsair
Phone: (785) 398-2270
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: Jason Alm
Purchaser: NCRA

Designate Type of Completion:

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

- [x] 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 #:

06/23/2013	06/30/2013	08/01/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25602-00-00
Spot Description:
SE - NE - NE - NE Sec. 24 Twp. 19 S. R. 22 [ ] East [x] West
541 Feet from [x] North / [ ] South Line of Section
295 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[x] NE [ ] NW [ ] SE [ ] SW
County: Ness
Lease Name: Schaben Well #: 5-24
Field Name:
Producing Formation: MIssissippian
Elevation: Ground: 2215 Kelly Bushing: 2221
Total Depth: 4361 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 224 Feet
Multiple Stage Cementing Collar Used? [x] Yes [ ] No
If yes, show depth set: 1403 Feet
If Alternate II completion, cement circulated from: 1403
feet depth to: 0 w/ 135 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 65 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: American Warrior, Inc
Lease Name: Moore Hamzy License #: 4058
Quarter SE Sec. 27 Twp. 19 S. R. 21 [ ] East [x] West
County: Ness Permit #: D28845

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: 08/23/2013

Side Two

1156124

Operator Name: American Warrior, Inc. Lease Name: Schaben Well #: 5-24

Sec. 24 Twp. 19 S. R. 22 ☐ East ☑ West County: Ness

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:

Dual Induction, Dual Compensated Porosity
Dual Receiver Cement Bond

☑ 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	12.25	8.625	23	224	Common	150	3% CC, 2% Gel
Production	7.875	5.5	15.5	4350	EA-2	175	1/4# Flocele

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
0-1406	SMD	135	1/4# flocele
-			

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
4	4339-4349, 4332-4340		

TUBING RECORD: Size: 2.375 Set At: 4360 Packer At:

Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 08/15/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10		5		40

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:
4332-4349
4350-4361 OH

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

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Schaben 5-24
Doc ID	1156124

Tops

Name	Top	Datum
Anhydrite	1446	775
Heebner	3688	-1469
Lansing	3734	-1515
Base Kansas City	4076	-1855
Pawnee	4152	-1927
Ft. Scott	4230	-2009
Cherokee	4249	-2028
MIssissippian	4325	-2104
TD	4361	-2140

ALLIED OIL & GAS SERVICES, LLC 060517

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend KS

DATE 6-23-13	SEC 24	TWP 19	RANGE 22	CALLED OUT	ON LOCATION	JOB START 830 pm	JOB FINISH 9 pm
LEASE Schieben	WELL # 5-24		LOCATION Bazine 3s 1/2 W Simo			COUNTY Ness	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Petromark drilling
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH 223.71
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

CEMENT
AMOUNT ORDERED 150 sx Class A 3% 2%

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
366 HELPER Mike Southern
BULK TRUCK
341 DRIVER Kevin Wichmann
BULK TRUCK
DRIVER

REMARKS:

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
HANDLING		@	
MILEAGE			
		TOTAL	

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			
EXTRA FOOTAGE		@	
MILEAGE		@	
MANIFOLD		@	
		@	
		@	
		TOTAL	

CHARGE TO: American Warrior
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

		@	
		@	
		@	
		@	
		@	
		TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Darren Summers
SIGNATURE Darren Summers

Thank You

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 4-3-12 District Great Bend Ticket No. 6[illegible]

Company [illegible] Rig [illegible] #1

Lease [illegible] Well No. [illegible]

County [illegible] State KS

Location [illegible] Field [illegible]

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☑ Intermediate ☐ Production ☐ Liner ☐

Size 8 5/8 Type New Weight [illegible] Collar Used

Casing Depths: Top [illegible] Bottom [illegible]

Drill Pipe: Size [illegible] Weight [illegible] Collars [illegible]

Open Hole: Size 12 1/4 T.D. [illegible] ft. P.B. to [illegible] ft.

CAPACITY FACTORS:

Casing:	Bbls/Lin. ft. [illegible]	Lin. ft./Bbl. [illegible]		
Open Holes:	Bbls/Lin. ft. [illegible]	Lin. ft./Bbl. [illegible]		
Drill Pipe:	Bbls/Lin. ft. [illegible]	Lin. ft./Bbl. [illegible]		
Annulus:	Bbls/Lin. ft. [illegible]	Lin. ft./Bbl. [illegible]		
	Bbls/Lin. ft. [illegible]	Lin. ft./Bbl. [illegible]		

Perforations: From [illegible] ft. to [illegible] ft. Amt. [illegible]

CEMENT DATA:

Spacer Type: Fresh water

Amt. 20 Bbls Sks Yield [illegible] ft³/sk Density 8.34 PPG

LEAD: Pump Time [illegible] hrs. Type [illegible]

Excess [illegible]

Amt. [illegible] Sks Yield [illegible] ft³/sk Density [illegible] PPG

TAIL: Pump Time Thickening time hrs. Type Class A 3%

2% Excess [illegible]

Amt. 150 Sks Yield 1.34 ft³/sk Density 14.8 PPG

WATER: Lead [illegible] gals/sk Tail [illegible] gals/sk Total [illegible] Bbls.

Pump Trucks Used [illegible]

Bulk Equip. [illegible]

Float Equip: Manufacturer [illegible]

Shoe: Type [illegible] Depth [illegible]

Float: Type [illegible] Depth [illegible]

Centralizers: Quantity [illegible] Plugs Top [illegible] Btm. [illegible]

Stage Collars [illegible]

Special Equip. [illegible]

Disp. Fluid Type Freshwater Amt. [illegible] Bbls. Weight 8.34 PPG

Mud Type New Mud Weight 8.2 PPG

COMPANY REPRESENTATIVE [illegible] CEMENTER [illegible]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location hold safety meeting Rig up
						Run 8 5/8 csg Break circulation w/ rig mud Hook up cement pump
						pump 2 BBL Ahead
						mix 150 sks 14.8#
						Displace 12.29 Bbls fresh water shut in
						Cement did circulate 9 BBL to pit
						Rig down

FINAL DISP. PRESS: [illegible] PSI BUMP PLUG TO [illegible] PSI BLEEDBACK [illegible] BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS

SWIFT Services, Inc.

CHARGE TO: American Warrior
ADDRESS
CITY, STATE, ZIP CODE

TICKET Nº 24399

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Ness City KS	5-24	Schaben	Ness	KS	Bazine	30 Jun 13	
2.	TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR Petromark	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO location	ORDER NO.	
3.	WELL TYPE Oil	WELL CATEGORY Development	JOB PURPOSE cement long string	WELL PERMIT NO.	WELL LOCATION 24-19-22		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE TRK 114	20	mi			6 00	120 00
578		1			Pump Charge	1	ea			1500 00	1500 00
402		1			Centralizer	5½	in	5	ea	70 00	350 00
403		1			Cement Basket	5½	in	2	ea	285 00	570 00
404		1			Port Collar	5½	in	1	ea	2650 00	2650 00
406		1			Latch down plug & baffle	5½	in	1	ea	275 00	275 00
407		1			Insert Float shoe w/ AUTO FILL	5½	in	1	ea	375 00	375 00
~~414~~		~~1~~			~~Rotating head rental~~	~~5½~~	~~in~~	~~1~~	~~ea~~	~~200 00~~	~~200 00~~

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED | TIME SIGNED ☐ A.M. ☐ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	~~5840 00~~ 5840 00
	5337 75
TAX	10,177 75
TOTAL	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR APPROVAL

Thank You!

JOB LOG — **SWIFT Services, Inc.**

DATE 30 Jun 13 | PAGE NO.

CUSTOMER American Warrior | WELL NO. 5-24 | LEASE Schaben | JOB TYPE cement long string | TICKET NO. 24399

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								175sk SA-2 w/ ¼# flocele
								5½ - 15.5# casing 4354' shoe jt 4284'
								Cent 1, 2, 3, 4, 68 Basket 5, 69
								Port collar 69 - 1403' 102 jts
								RTD 4358' LTD 4351'
	0500							on loc TRK 114
	0655							start 5½" 15.5# casing in well
	0850							Tag bottom
	0920							Drop ball - circulate - ~~ROTATE~~
	0937	4¾	12				200	Pump 500gal mud flush
		4¾	20				200	Pump 20 bbl KCL flush
	0943		7					Plug RH - ~~30sks~~
	0946	4¾	35				200	Mix ~~143sk~~ SA-2 cement @ 15.3 ~~ppg~~
	0958							Drop latch down plug
								wash out pump & line
	1001	6¾					200	Displace plug
		6¾	88				850	
	1015	6¾	102				1550	Land plug
								Release pressure to truck - dried up
	1020							wash truck
								RACK up
	1045							job complete
								Thank
								Isaac, Dale & Blaine

SWIFT Services, Inc.

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24399

CUSTOMER American Warrior | WELL Schaben 5-24 | DATE 30 Jun 13 | PAGE 2 OF 2

325		1				STANDARD cement (For EA-2)	175	sk		14 00	2450 00
284		1				Calseal	800	lb	5 sk	35 00	280 00
283		1				Salt	900	lb		0 20	180 00
292		1				HALAD-322	125	lb		7 75	968 75
276		1				Floccle	50	lb		2 00	100 00
290		1				D-AIR	2	gal		42 00	84 00
281		1				mud flush	500	lb		1 25	625 00
221		1				KCl liquid	2	gal		25 00	50 00
582		1				Drayage (air)	1	ea		250 00	250 00
581		1				SERVICE CHARGE	175	CUBIC FEET		2 00	350 00
						TOTAL WEIGHT	LOADED MILES	TON MILES			

CONTINUATION TOTAL 5337 75

SWIFT Services, Inc.

CHARGE TO: AMERICAN WARRIOR
ADDRESS
CITY, STATE, ZIP CODE

TICKET
Nº 25020

PAGE 1 OF

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. NESS CITY, KS.		SCHABEN 5-24	NESS	KS.	BAZINE, KS.	2 July 13	
2.	TICKET TYPE ☐ SERVICE ☐ SALES — CONTRACTOR: HD OILFIELD SERV		RIG NAME/NO.	SHIPPED VIA	DELIVERED TO		ORDER NO.
3.	WELL TYPE: OIL	WELL CATEGORY: DEVELOPMENT	JOB PURPOSE: CEMENT PORT COLLAR		WELL PERMIT NO.		WELL LOCATION: 35 1/4 W, S INTO
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575					MILEAGE # 115	20	MIL			6.00	120.00
576D					PUMP CHARGE	1	JOB			1500.00	1500.00
105					PORT COLLAR OPENING TOOL	1	JOB			350.00	350.00
276					FLOCELE	35	lbs			2.00	70.00
290					D-AIR	1½	gal			42.00	63.00
330					SMD CEMENT	135	SX			17.00	2295.00
581					CEMENT SERVICE CHARGE	175	SX			2.00	350.00
582					MINIMUM DRAYAGE	17390	lbs	17390	TM	2.50	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Scott

DATE SIGNED: 2 July 13 | TIME SIGNED: 1800 ☐ A.M. ☒ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4998.00
Less TAX 6.15%	170.85
TOTAL	5168.85

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: Jim Rauch | APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2 July 13 | PAGE NO.

CUSTOMER AMERICAN WARRIOR | WELL NO. | LEASE SCHABEN 5-24 | JOB TYPE CEMENT PORT COLLAR | TICKET NO. 25020

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1430							ON LOCATION
								PORT COLLAR @ 1403
	1645				✓		1000	TEST - HELD
	1647							OPEN PORT COLLAR
			75					
	1650	4	~~300~~	✓		300		MIX 135 sx SMD
		3	4½	✓		150		DISPLACE CEMENT
				✓				CIRCULATE 20 sx TO PIT
	1711			✓		1000		CLOSE PORT COLLAR - TEST - HELD
	1716							RUN 4 JTS
	1722	4	18		✓		300	REVERSE CLEAN
	1730							WASH TRUCK
	1800							JOB COMPLETE
								THANKS #115
								JASON JEFF JOHN

Geologic Report

Drilling Time and Sample Log

Operator	**American Warrior, Inc.**	Elevation KB 2221' DF GL 2215'	
Lease	**Schaben**	No. **5-24**	
API #	**15-135-25602-0000**	Casing Record Surface 8 5/8" @ 223' Production 5 1/2" @ 4350'	
Field	**Schaben North**		
Location	**460' FNL & 260' FEL**	Electrical Surveys CNL/CDL, DIL	
Sec.	**24** Twp. **19s** Rge. **22w**		
County	**Ness** State **Kansas**		

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	1446' +775	1448' +773	-4
Base	1480' +741	1482' +739	-3
Heebner	3688' -1469	3690' -1475	-3
Lansing	3734' -1515	3742' -1521	-2
BKc	4076' -1855	4086' -1865	-4
Pawnee	4152' -1927	4160' -1939	-2
Fort Scott	4230' -2009	4239' -2018	+1
Cherokee	4249' -2028	4257' -2036	-2
Mississippian	4325' -2104	4332' -2111	-1
Total Depth	4351' -2130	4356' -2135	

Reference Well For Structural Comparison **American Warrior, Inc. Schaben #2-19**
500' FNL & 250' FWL Sec. 19 T18s R21w Ness Co. Kansas

Drilling Contractor **Petromark Drilling, LLC. Rig #1**
Commenced **6-23-2013** Completed **6-30-2013**

Samples Saved From	3900'	To	RTD
Drilling Time Kept From	3600'	To	RTD
Samples Examined From	3900'	To	RTD
Geological Supervision From	3900'	To	RTD

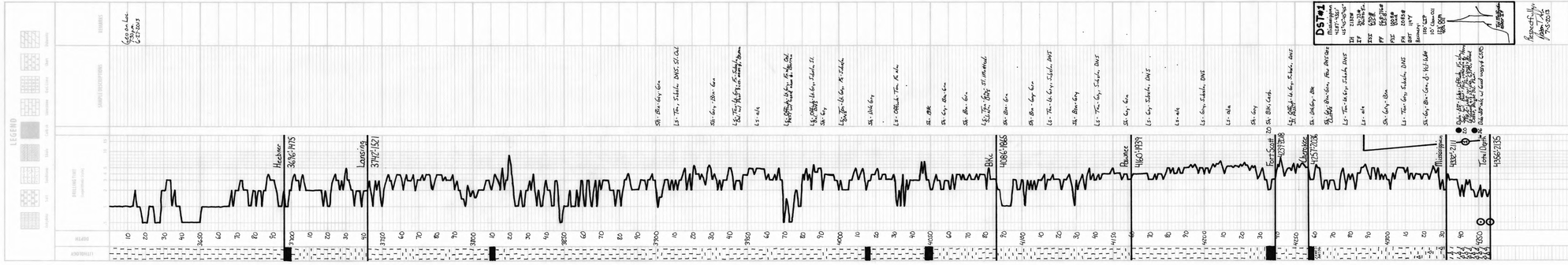
Displacement **3500'** Mud Type **Chemical**

Summary and Recommendations

The location for the Schaben #5-24 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Schaben #5-24 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geological Report

American Warrior, Inc.
Schaben #5-24
460’ FNL & 260’ FEL
Sec. 24 T19s R22w
Ness County, Kansas

American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Schaben #5-24 460’ FNL & 260’ FEL Sec. 24 T19s R22w Ness County, Kansas API # 15-135-25602-0000
Drilling Contractor:	Petromark Drilling, LLC. Rig #1
Geologist:	Jason T Alm
Spud Date:	June 23, 2013
Completion Date:	June 30, 2013
Elevation:	2215’ Ground Level 2221’ Kelly Bushing
Directions:	Bazine KS, from West side of town at the intersection of Hwy 96 and Austin St. South 4 mi. West 1/8 mi. South into location.
Casing:	223’ 8 5/8” surface casing 4350’ 5 1/2” production casing
Samples:	10’ wet and dry, 3900’ to RTD
Drilling Time:	3600’ to RTD
Electric Logs:	Pioneer Energy Services “Jarrod Long” CNL/CDL, DIL
Drillstem Tests:	One, Trilobite Testing, Inc. “Jim Svaty”
Problems:	Test tool malfunctioned after initial flow.
Remarks:	All readings after the initial flow during DST #1 are invalid.

Formation Tops

Formation	American Warrior, Inc. Schaben #5-24 Sec. 24 T19s R22w 460' FNL & 260' FEL
Anhydrite	**1446', +775**
Base	**1480', +741**
Heebner	**3688', -1469**
Lansing	**3734', -1515**
BKc	**4076', -1855**
Pawnee	**4152', -1927**
Fort Scott	**4230', -2009**
Cherokee	**4249', -2028**
Mississippian	**4325', -2104**
RTD	**4351', -2130**

Sample Zone Descriptions

Mississippian Osage (4325', -2104): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline porosity, heavy triptolic chert, weathered with fair to good vuggy porosity, light to good oil stain and saturation, good show of free oil, good odor, bright yellow fluorescents, 20-36 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
"Jim Svaty"

DST #1 **<u>Mississippian Osage</u>**

Interval (4287' – 4351') Anchor Length 64'

IHP	– 2132 #	
IFP	– 45" – Built to 8 in.	34-73 #
ISI	– 45" – W.S.B.	690 #
FFP	– 45" – W.S.B.	568-716 #
FSI	– 45" – Dead	1008 #
FHP	– 2083 #	
BHT	– 114˚F	

Recovery: 120' GIP
10' GCO
123' OCM 40% Oil

Structural Comparison

Formation	**American Warrior, Inc. Schaben #5-24 Sec. 24 T19s R22w 460' FNL & 260' FEL**	American Warrior, Inc. Schaben #2-19 Sec. 19 T19s R21w 500' FNL & 250' FWL		American Warrior, Inc. Schaben #1-19 Sec. 19 T19s R21w 880' FNL & 125' FWL	
Anhydrite	**1446', +775**	1461', +769	**(+6)**	1455', +773	**(+2)**
Base	**1480', +741**	1495', +735	**(+6)**	NA	**NA**
Heebner	**3688', -1469**	3710', -1480	**(+11)**	3706', -1478	**(+9)**
Lansing	**3734', -1515**	3758', -1528	**(+13)**	3754', -1526	**(+11)**
BKc	**4076', -1855**	4098', -1868	**(+13)**	NA	**NA**
Pawnee	**4152', -1927**	4176', -1946	**(+19)**	4172', -1944	**(+17)**
Fort Scott	**4230', -2009**	4249', -2019	**(+10)**	4250', -2022	**(+13)**
Cherokee	**4249', -2028**	4268', -2038	**(+10)**	4270', -2042	**(+14)**
Mississippian	**4325', -2104**	4350', -2120	**(+16)**	4245', -2117	**(+13)**

Summary

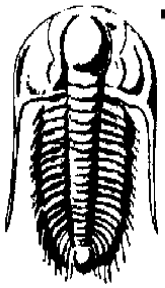
The location for the Schaben #5-24 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Schaben #5-24 well.

Recommended Perforations

Mississippian Osage: (4326' – 4346') DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67646

ATTN: Jason Alm

Schaben #5-24

24 19s 22w Ness,KS

Start Date: 2013.06.29 @ 10:20:00
End Date: 2013.06.29 @ 18:15:00
Job Ticket #: 53823 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.07.02 @ 08:48:24

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399
Garden City, KS 67646

ATTN: Jason Alm

24 19s 22w Ness,KS

Schaben #5-24

Job Ticket: 53823 **DST#: 1**

Test Start: 2013.06.29 @ 10:20:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:43:50
Time Test Ended: 18:15:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 41

Interval: 4287.00 ft (KB) To 4351.00 ft (KB) (TVD)
Total Depth: 4351.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

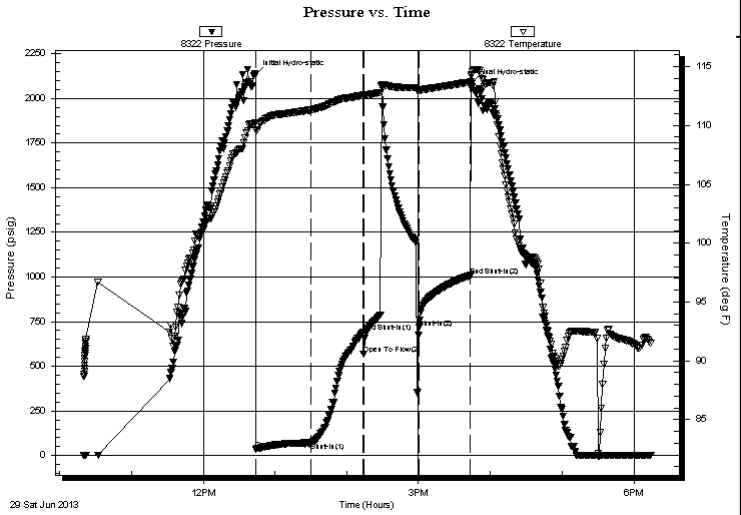
Reference Elevations: 2221.00 ft (KB)
2215.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8322 **Outside**

Press@RunDepth: 715.79 psig @ 4322.00 ft (KB)
Start Date: 2013.06.29 End Date: 2013.06.29
Start Time: 10:20:01 End Time: 18:14:50

Capacity: 8000.00 psig
Last Calib.: 2013.06.29
Time On Btm: 2013.06.29 @ 12:43:30
Time Off Btm: 2013.06.29 @ 15:44:09

TEST COMMENT: 45-IFP- Surface Blow Building to 8"
45-ISIP- Surface Blow in 2 1/2 min.
45-FFP- Surface Blow in 4 min. Died in 9 min. Flushed at 15 min. Surface Blow Died in 4 min.
45-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.07	110.25	Initial Hydro-static
1	34.81	109.61	Open To Flow (1)
47	72.98	111.32	Shut-In(1)
91	690.18	112.57	End Shut-In(1)
91	568.63	112.54	Open To Flow (2)
137	715.79	112.97	Shut-In(2)
180	1008.44	113.69	End Shut-In(2)
181	2083.16	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	OCM 40%o 60%m	0.65
10.00	CO 100%	0.14
0.00	120 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399
Garden City, KS 67646

ATTN: Jason Alm

24 19s 22w Ness,KS

Schaben #5-24

Job Ticket: 53823 **DST#: 1**

Test Start: 2013.06.29 @ 10:20:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:43:50
Time Test Ended: 18:15:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 41

Interval: 4287.00 ft (KB) To 4351.00 ft (KB) (TVD)
Total Depth: 4351.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

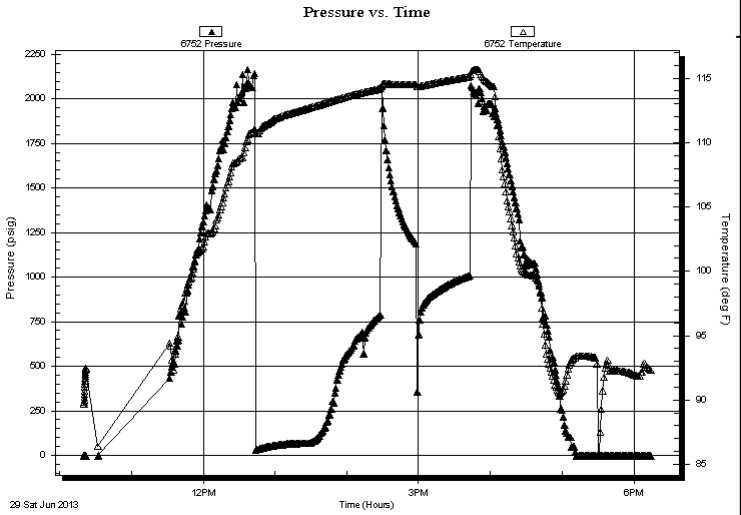
Reference Elevations: 2221.00 ft (KB)
2215.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 4322.00 ft (KB)
Start Date: 2013.06.29 End Date: 2013.06.29
Start Time: 10:20:01 End Time: 18:14:50

Capacity: 8000.00 psig
Last Calib.: 2013.06.29
Time On Btm:
Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 8"
45-ISIP- Surface Blow in 2 1/2 min.
45-FFP- Surface Blow in 4 min. Died in 9 min. Flushed at 15 min. Surface Blow Died in 4 min.
45-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
123.00	OCM 40%o 60%m	0.65
10.00	CO 100%	0.14
0.00	120 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

PO Box 399
Garden City, KS 67646

ATTN: Jason Alm

24 19s 22w Ness,KS

Schaben #5-24

Job Ticket: 53823 **DST#: 1**

Test Start: 2013.06.29 @ 10:20:00

Tool Information

Drill Pipe:	Length:	4159.00 ft	Diameter:	3.80	inches	Volume:	58.34	bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75	inches	Volume:	0.00	bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25	inches	Volume:	0.58	bbl	Weight to Pull Loose:	70000.00 lb
						Total Volume:	58.92	bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		17.00 ft							String Weight: Initial	66000.00 lb
Depth to Top Packer:		4287.00 ft							Final	66000.00 lb
Depth to Bottom Packer:		ft								
Interval between Packers:		64.00 ft								
Tool Length:		91.00 ft								
Number of Packers:		2	Diameter:	6.75	inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4265.00		
Hydraulic tool	5.00			4270.00		
Jars	5.00			4275.00		
Safety Joint	2.00			4277.00		
Packer	5.00			4282.00	27.00	Bottom Of Top Packer
Packer	5.00			4287.00		
Stubb	1.00			4288.00		
Perforations	1.00			4289.00		
Change Over Sub	1.00			4290.00		
Blank Spacing	32.00			4322.00		
Recorder	0.00	6752	Inside	4322.00		
Recorder	0.00	8322	Outside	4322.00		
Change Over Sub	1.00			4323.00		
Perforations	25.00			4348.00		
Bullnose	3.00			4351.00	64.00	Bottom Packers & Anchor
Total Tool Length:	**91.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

PO Box 399
Garden City, KS 67646

ATTN: Jason Alm

24 19s 22w Ness,KS

Schaben #5-24

Job Ticket: 53823 **DST#: 1**

Test Start: 2013.06.29 @ 10:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.96 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	OCM 40%o 60%m	0.650
10.00	CO 100%	0.140
0.00	120 GIP	0.000

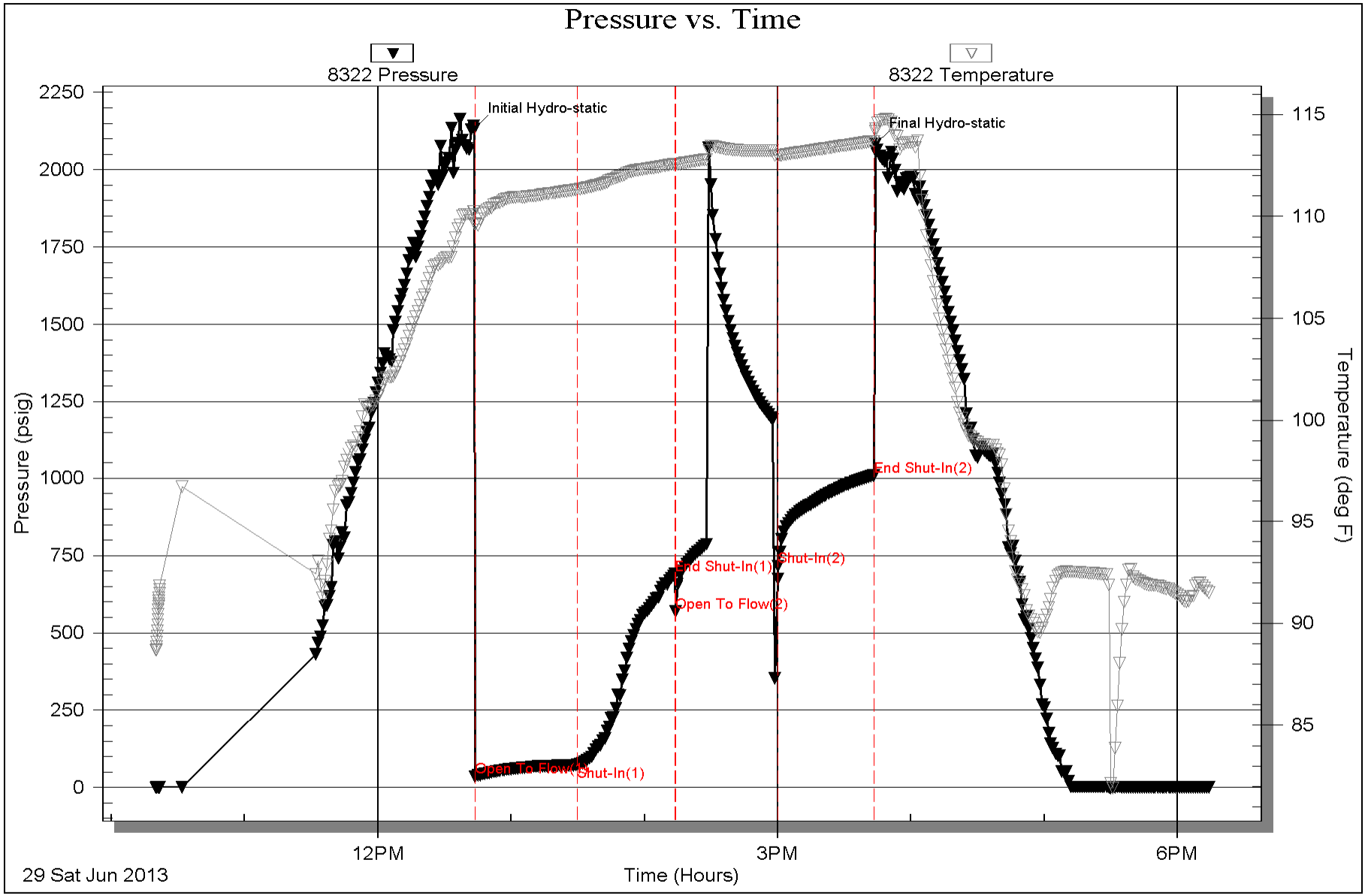
Total Length: 133.00 ft Total Volume: 0.790 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

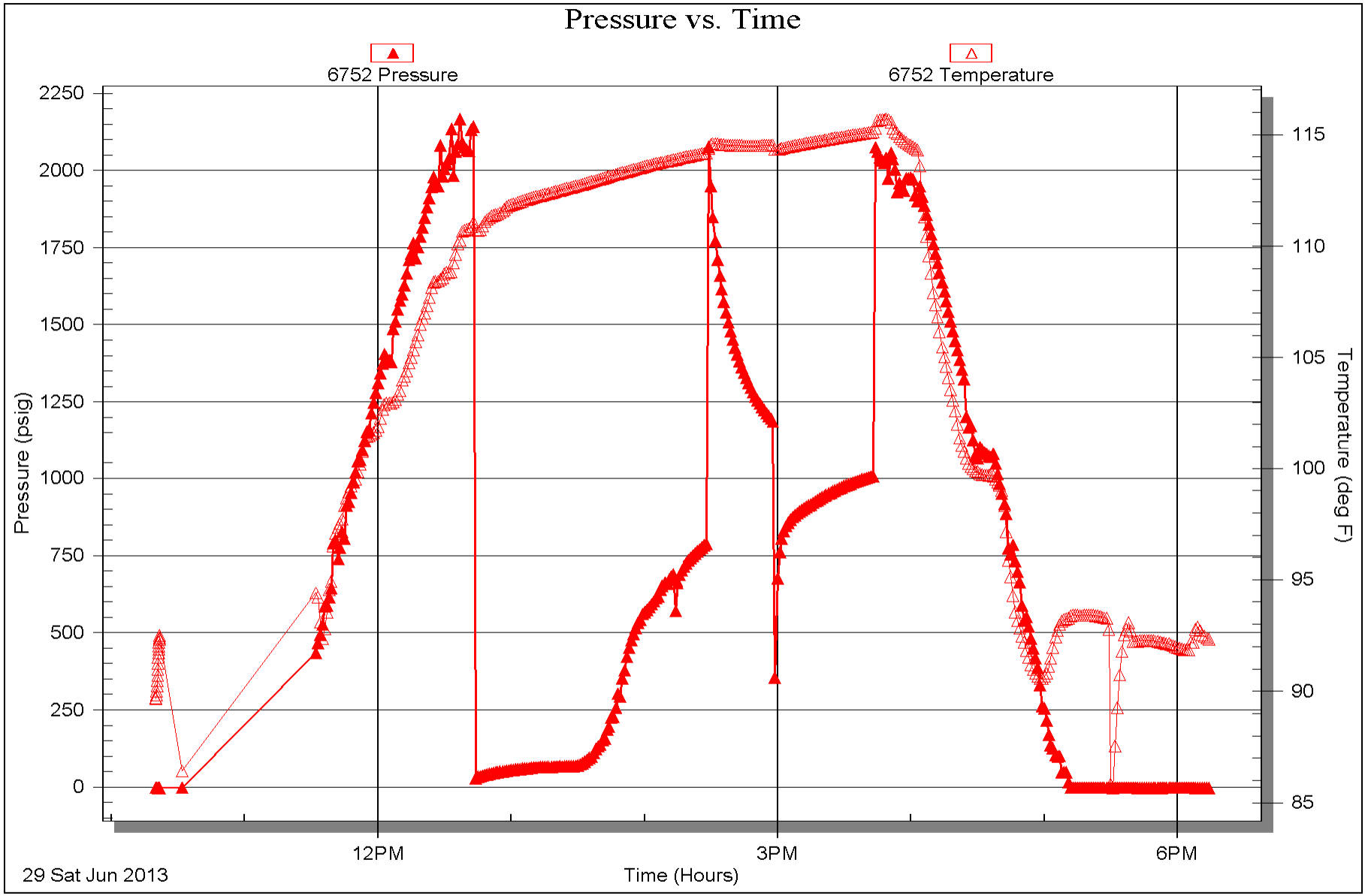
Recovery Comments:

Serial #: 8322 **Outside** American Warrior Inc. Schaben #5-24 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53823 Printed: 2013.07.02 @ 08:48:27

Serial #: 6752 **Inside** American Warrior Inc. Schaben #5-24 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 53823 Printed: 2013.07.02 @ 08:48:28

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 53823

Well Name & No. Schaben #5-24 Test No. 1 Date 6-29-13

Company American Warrior, Inc. Elevation 2221 KB 2215 GL

Address 3118 Cummings Rd Box 399 Garden City KS 67648

Co. Rep / Geo. Jason Alm Rig Petromark #1

Location: Sec. 24 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4287-4351 Zone Tested Miss.

Anchor Length 64 Drill Pipe Run 4159 Mud Wt. 9.1

Top Packer Depth 4282 Drill Collars Run 118 Vis 42

Bottom Packer Depth 4287 Wt. Pipe Run 0 WL 8.0

Total Depth 4351 Chlorides 7300 ppm System LCM 0

Blow Description IFP - Surface Blow Building to 8in.
ISIP - Surface Blow in 2½ min.
FFP - Surface Blow in 4min Died in 9min Flushed at 15min. Surface Blow Died in 4 min.
FSIP - No Blow

Rec 123	Feet of OCM	%gas	40 %oil	%water	60 %mud	
Rec 10	Feet of CO	%gas	100 %oil	%water	%mud	
Rec —	Feet of 120 GIP	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 133 BHT 114 Gravity 37 API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic	2132	☑ Test	1250	T-On Location	07:58
(B) First Initial Flow	34	☑ Jars	250	T-Started	10:20
(C) First Final Flow	72	☑ Safety Joint	75	T-Open	12:44
(D) Initial Shut-In	690	☐ Circ Sub		T-Pulled	15:44
(E) Second Initial Flow	568	☐ Hourly Standby		T-Out	18:15
(F) Second Final Flow	715	☑ Mileage	112 RT 173.60	Comments	
(G) Final Shut-In	1008	☐ Sampler			
(H) Final Hydrostatic	2083	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	45	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	0
Final Flow	45	☐ Day Standby		Total	1748.60
Final Shut-In	45	☐ Accessibility		MP/DST Disc't	
		Sub Total	1748.60		

Approved By ____ Our Representative ____