



KANSAS CORPORATION COMMISSION 1069792  
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 # \_\_\_\_\_

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1069792

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ 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:  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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Phyllis 3-32
Doc ID	1069792

Tops

Name	Top	Datum
Anhydrite	1358	765
Heebner	3594	-1471
Lansing	3643	-1520
Base KC	3960	-1837
Pawnee	4040	-1917
Ft. Scott	4118	-1995
Cherokee	4133	-2010
Mississippian	4195	-2072
RTD	4220	-2097



Services, Inc.

CHARGE TO: American Wellbier Inc  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET 19459

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Hays, KS  
 2. Ness City, KS  
 3.  
 4. REFERRAL LOCATION

WELL PROJECT NO. 3-32  
 LEASE Phyllis  
 COUNTY/PARISH Ness  
 STATE KS  
 CITY  
 RIG NAME/NO. #1  
 SHIPPED VIA T  
 DELIVERED TO  
 WELL PERMIT NO.  
 WELL LOCATION

TICKET TYPE  
 SERVICE  
 SALES

CONTRACTOR Pat Weaver #1  
 RIG NAME/NO. #1

WELL TYPE Oil  
 WELL CATEGORY Development  
 JOB PURPOSE Surface Pipe

DATE 4-22-11  
 ORDER NO. 50996

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #111	20	mi			5.00	100.00
576D					Ramp/Charg. (D-opp Surface)	1	hr	1376		110.00	110.00
221					KCL	2	gal			25.00	50.00
281					Mud Flush	500	gal			1.00	500.00
290					D-Air	4	hr			35.00	140.00
401					Insert Float w/o fill	1	hr	875		250.00	250.00
409					Turbolizer	4	hr			90.00	360.00
410					Top Plug	1	hr			100.00	100.00
330					SM D Cement	1125	sls			15.00	6375.00
276					Flare	1	hr	4		150.00	150.00
581					Cement Service Charge	475	sls			1.00	637.50
583					Drayage	415	STH			1.00	415.50

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

DATE SIGNED 4-22-11 TIME SIGNED 2:35 PM  AM  PM

SWIFT OPERATOR *Mark Walker* APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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

SURVEY  
 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?  
 CUSTOMER DID NOT WISH TO RESPOND

UN-DECIDED  
 DIS-AGREE

PAGE TOTAL 10178.00

TOTAL 10,677.28

TAX 7.25%  
 60.39%

499.28

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1-22-11 PAGE NO. 7

CUSTOMER American Warrior Inc WELL NO. H 3-32 LEASE Phyllis JOB TYPE Surface Pipe TICKET NO. 19459

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							on loc WFE
								RTD 1376'
								8 5/8" x 2 3/4" x 1376' x 43'
								Cost 1, 4, 12, 28
	2030							Start F.E.
	2240							Break Circ
	2300	4	0			250		Start Prof. 500 gal Mud flush 20 bbl KCT flush
	2308	5.5	30/0			300		Start Cement #1 100 sks SMD @ 118"
	2317	}	40/0			300		Start Cement #2 120 sks SMD @ 125"
	2316		47/0			300		Start Cement #3 100 sks SMD @ 132"
	2323		32/0			300		Start Cement #4 100 sks SMD @ 145"
	2328		28					Land Cement
								Drop Plug
	2332	6	0			100		Start Displacement
	2337	5	30			150		Catch Cement
	2340	5	45			200		Circ Cement
	2348		84			4 1/2 / 1000		Land Plug Release Pressure Fluct <del>leaking</del> leaking
								circ 70 sks to pit
								Thank you
								Mike, Josh F. & Russ



Services, Inc.

CHARGE TO: Acacia Winters Inc  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
 19467

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Missouri WELL/PROJECT NO. 3-32 LEASE Phyllis COUNTY/PARISH Ness STATE As CITY \_\_\_\_\_ DATE 5-2-11 OWNER Same  
 2. Miss City, KS TICKET TYPE  SERVICE CONTRACTOR Ness RIG NAME NO. \_\_\_\_\_ ORDER NO. \_\_\_\_\_  
 3.  SALES WELL TYPE \_\_\_\_\_ WELL CATEGORY oil JOB PURPOSE development DELIVERED TO 24 location WELL PERMIT NO. \_\_\_\_\_  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS \_\_\_\_\_ WELL LOCATION \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE = 111	20	mi			5.00	100.00
5765		1			Pump Charge (Top off)	1	ea			750.00	750.00
<del>575</del> 290		1			D-Gr.	2	yd			35.00	70.00
330		2			SMD Cement	125	cks			15.00	1875.00
276		2			Flacolo	25	ea			1.50	37.50
51		2			Cement Service Charge	125	cks			1.50	187.50
82		2			Maintenance Drayage	1	ea			250.00	250.00

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X Scott DATE SIGNED 5-2-11 TIME SIGNED 1545  AM  PM  
 REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300  
 SURVEY:  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  
 TOTAL 3394.90  
 TAX 6.390  
 124.90  
 3394.90  
 Thank You!

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 SWIFT OPERATOR: Mike Taylor APPROVAL: \_\_\_\_\_





Services, Inc.

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

TICKET  
 20625

PAGE 1 OF 2

SERVICE LOCATIONS: NESS CITY, KS  
 WELL PROJECT NO.: PHYLUS 3-32  
 COUNTY: NESS  
 STATE: KS  
 CITY: BAZINE, KS  
 DATE: 28 APR 11  
 OWNER: 1E5/E JOTO

TICKET TYPE: CONTRACTOR  
 SERVICE: VETROMARK DRILLING  
 RIG NAME/NO.:  
 WELL TYPE: DIL  
 WELL CATEGORY: DEVELOPMENT  
 JOB PURPOSE: S&K OIL STRINGS  
 WELL PERMIT NO.:

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	20	MIL			5.00	100.00
578					PUMP CHARGE	1	LOBS		FT	1400.00	1400.00
402					NEUTRALIZERS	1	SEA			65.00	325.00
403					BASKET	1	EA			230.00	230.00
406					LATCH DOWNS PLUG & BATTLE	1	EA			225.00	225.00
407					INSERT FLOAT SHOE W/AMID FILL	1	EA			300.00	300.00
281					MUD FLUSH	500	SAL			1.00	500.00
221					LIQUID REC	2	SAL			25.00	50.00

**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 DEPARTURE OF GOODS

DATE SIGNED: 28 APR 11  
 TIME SIGNED: 10:15 AM

**REMIT PAYMENT TO:**  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

TAX											
TOTAL											3130.00

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: [Signature]

APPROVAL: [Signature]

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 28 Apr 11 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE PHYLLIS 3-32

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 20625

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							ON LOCATION
	0450							START PIPE 5 1/2 · 15.5 #6. RTDE 4220 SHOE JT 42.21 CENTRALIZERS 1, 2, 3, 4, 80 BASKETS 5
	0820							DROP BALL CIRCULATE
	0850	6	12		7		300	Pump 500 gal MUD FLUSH
	0852	6	20		7		300	Pump 20 BBL KCL Flush
	0857		7					PLUG RH (30 sx)
	0900	4	35		7		300	MIX 145 SX EA2
	0920							WASH OUT PUMPING LINES
	0922	6			7			RELEASE PLUG START DISPLACEMENT
	0939		99		7		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
								WASH TRUCK
	1015							JOB COMPLETE.
								THANKS #110
								JASON JEFF DAVID







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Phyllis #3-32**

P.O. Box 399  
Garden City, KS 67846

**32/18S/21W-Ness**

Job Ticket: 42797

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.04.27 @ 13:09:50

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	60%Mud/20%Oil/10%Gas/10%Water	0.305
62.00	60%Mud/20%Gas/20%Oil	0.332
186.00	60%Gas/40%Oil	2.609
0.00	186' G.I.P.	0.000

Total Length: 310.00 ft

Total Volume: 3.246 bbl

Num Fluid Samples: 0

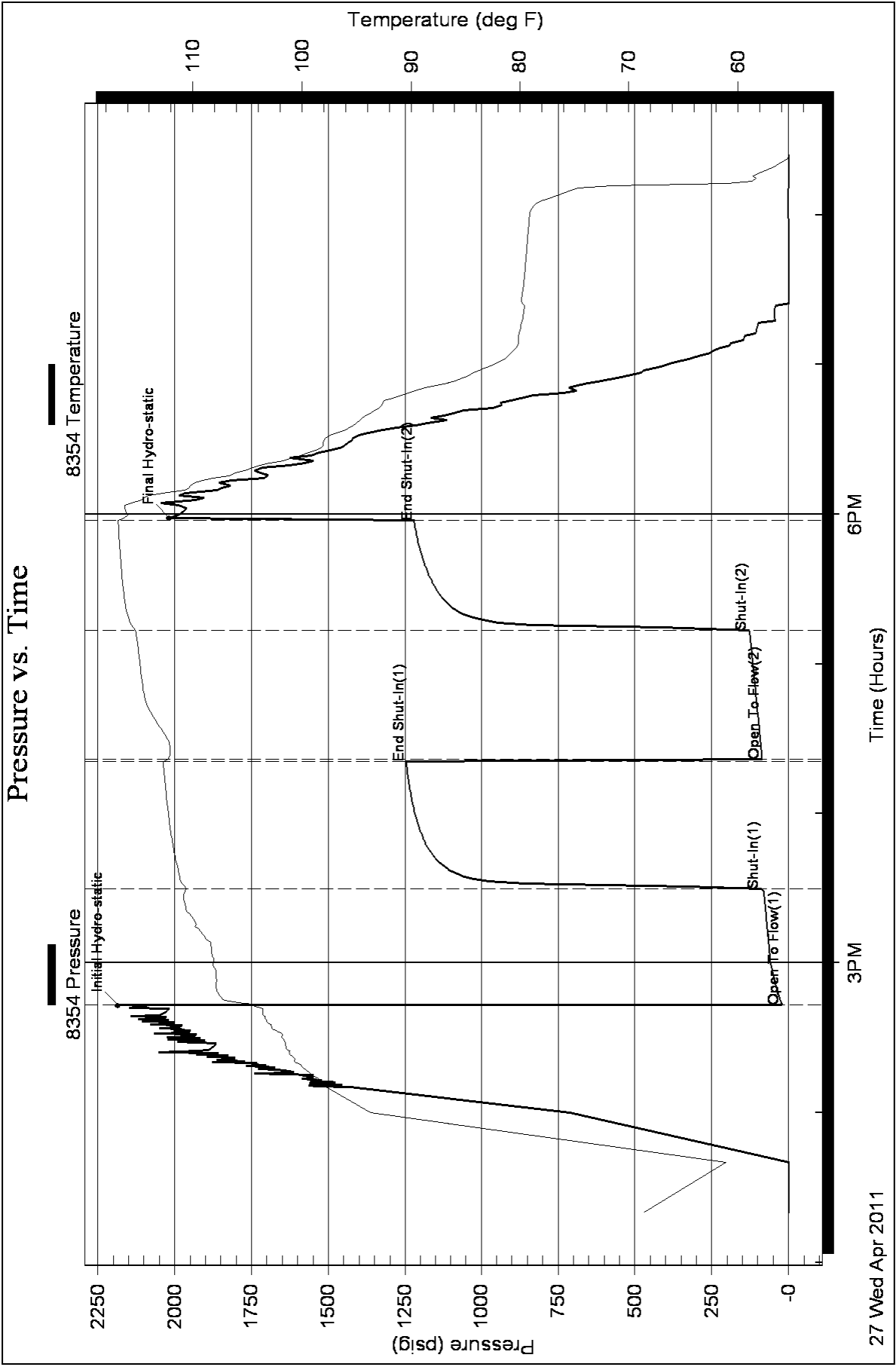
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# **Geological Report**

American Warrior, Inc.  
**Phyllis #3-32**  
1300' FNL & 1800' FWL  
Sec. 32 T18s R21w  
Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Phyllis #3-32  
1300' FNL & 1800' FWL  
Sec. 32 T18s R21w  
Ness County, Kansas  
API # 15-135-25225-0000

Drilling Contractor: Petromark Drilling, LLC Rig # 1

Geologist: Jason Alm

Spud Date: April 21, 2011

Completion Date: April 28, 2011

Elevation: 2117' Ground Level  
2123' Kelly Bushing

Directions: Bazine KS, ½ mi. East on Hwy 96, South across  
railroad tracks and East into location.

Casing: 1375' 8 5/8" surface casing  
4220' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Dustin Rash"

Problems: None

Remarks: 5 ½ production casing tagged bottom 3 ft. short of  
rig tally.



## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc. Phyllis #3-32 Sec. 32 T18s R21w 1300' FNL &amp; 1800' FWL</b>
Anhydrite	<b>1358', +765</b>
Base	<b>1389', +734</b>
Heebner	<b>3594', -1471</b>
Lansing	<b>3643', -1520</b>
BKc	<b>3960', -1837</b>
Pawnee	<b>4040', -1917</b>
Fort Scott	<b>4118', -1995</b>
Cherokee	<b>4133', -2010</b>
Mississippian	<b>4195', -2072</b>
Osage	<b>4206', -2083</b>
RTD	<b>4220', -2097</b>

## Sample Zone Descriptions

**Mississippian Osage (4206', -2083):            Covered in DST #1**

Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, heavy chert, triptolitic, heavily weathered with good vuggy porosity, light to heavy oil stain and saturation, good show of free oil, good odor, bright yellow cut fluorescents, 38 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Dustin Rash"

**DST #1**

**Mississippian Osage**

Interval (4207' – 4217') Anchor Length 10'

IHP	– 2184 #	
IFP	– 45" – B.O.B. 28 min.	22-90 #
ISI	– 45" – Built to 1 in.	1246 #
FFP	– 45" – B.O.B. 26 min.	86-129 #
FSI	– 45" – Built to ½ in.	1219 #
FHP	– 2017 #	
BHT	– 116°F	

Recovery:	186' GIP	
	186' CGO	Gravity: 40° API
	62' GOCM	20% Oil
	62' GWOCM	20% Oil, 10% Water

**Structural Comparison**

	<b>American Warrior, Inc.</b> <b>Phyllis #3-32</b> <b>Sec. 32 T18s R21w</b> <b>1300' FNL &amp; 1800' FWL</b>	<b>American Warrior, Inc.</b> <b>Phyllis #2-32</b> <b>Sec. 32 T18s R21w</b> <b>884' FNL &amp; 1170' FWL</b>		<b>American Warrior, Inc.</b> <b>Phyllis #1-32</b> <b>Sec. 32 T18s R21w</b> <b>2085' FNL &amp; 1220' FWL</b>	
<b>Formation</b>					
Anhydrite	<b>1358', +765</b>	1362', +760	<b>(+5)</b>	1358', +769	<b>(+6)</b>
Base	<b>1389', +734</b>	1396', +726	<b>(+6)</b>	7395', +732	<b>(+2)</b>
Heebner	<b>3594', -1471</b>	3592', -1470	<b>(-1)</b>	3590', -1463	<b>(-8)</b>
Lansing	<b>3643', -1520</b>	3640', -1518	<b>(-2)</b>	3637', -1510	<b>(-10)</b>
BKc	<b>3960', -1837</b>	3955', -1833	<b>(-4)</b>	3954', -1827	<b>(-10)</b>
Pawnee	<b>4040', -1917</b>	4038', -1916	<b>(-1)</b>	4036', -1909	<b>(-8)</b>
Fort Scott	<b>4118', -1995</b>	4118', -1996	<b>(+1)</b>	4112', -1985	<b>(-10)</b>
Cherokee	<b>4133', -2010</b>	4134', -2012	<b>(+2)</b>	4130', -2003	<b>(-7)</b>
Mississippian	<b>4195', -2072</b>	4210', -2088	<b>(+16)</b>	4200', -2073	<b>(+1)</b>
Osage	<b>4206', -2083</b>	4216', -2094	<b>(+11)</b>	4210', -2083	<b>FL</b>

## **Summary**

The location for the Phyllis #3-32 was found via 3-D seismic survey. The new well ran structurally higher than 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 examined the decision was made to run 5 1/2 inch production casing to further evaluate the Phyllis #3-32 well.

## **Recommended Perforations**

<b>Mississippian Osage:</b>	<b>(4207' – 4217')</b>	<b>DST #1</b>
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Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.