



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 # 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:

- 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 #: \_\_\_\_\_

<u>04/21/2011</u>	<u>04/28/2011</u>	<u>05/12/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25225-00-00

Spot Description:  
SE SW NE NW Sec. 32 Twp. 18 S. R. 21  East  West  
1300 Feet from  North /  South Line of Section  
1800 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ness

Lease Name: Phyllis Well #: 3-32

Field Name: DeWald North

Producing Formation: Mississippian

Elevation: Ground: 2117 Kelly Bushing: 2123

Total Depth: 4220 Plug Back Total Depth: 4219

Amount of Surface Pipe Set and Cemented at: 1376 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: 25000 ppm Fluid volume: 185 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  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: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 12/09/2011



1069792

Operator Name: American Warrior, Inc. Lease Name: Phyllis Well #: 3-32  
 Sec. 32 Twp. 18 S. R. 21  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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:  Dual Receiver Cement Bond	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  Name Top Datum Attached Attached 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	12.25	8.625	23	1376	SMD	425	1/4# flocele
Production	7.875	5.5	15.5	4219	EA-2	175	1/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2200	SMD	125	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	4209-4219		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4195</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>05/12/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>25</u>	Gas Mcf	Water Bbls. <u>5</u>
		Gas-Oil Ratio	Gravity <u>40</u>

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 checked="" 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: <u>4209-4219</u>
---	--	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Phyllis 3-32
Doc ID	1069792

Tops

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



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

TICKET  
**19459**

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Hays, Ks</u>	WELL/PROJECT NO. 2. <u>3-32</u>	LEASE <u>Phyllis</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>Ks</u>	CITY	DATE <u>4-22-11</u>	OWNER <u>Same</u>
2. <u>Ness City, Ks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Potomac #1</u>	RIG NAME/NO.	SHIPPED VIA <u>T</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>development</u>	JOB PURPOSE <u>Surface Pipe</u>	WELL PERMIT NO.		WELL LOCATION	
4.	INVOICE INSTRUCTIONS						
REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM			
575		1			MILEAGE #111	20	mi	5	cc	100
576D		1			Pump charge (D-up Surface)	1	ea	1376	cc	1100
221		1			KCC	2	gal	25	cc	50
281		1			Mud Flush	500	gal	1	cc	500
290		1			D-Air	4	gal	35	cc	140
401		1			Insert Float w/o fill	1	ea	875	cc	250
409		1			Turbolizer	4	ea	90	cc	360
410		1			Top Plug	1	ea	100	cc	100
330		2			SMD Cement	125	skts	15	cc	6375
276		2			Fluore	160	#	1	cc	150
581		2			Cement Service Charge	425	skts	1	cc	6375
583		2			Drayage	415.5	STM	1	cc	415

**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 4-22-11 TIME SIGNED 2:35  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	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					10178
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?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	10,677.28

Ness TAX 6.3% 499.28

SWIFT OPERATOR Mark Kripe APPROVAL

Thank You!





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

TICKET  
**19467**

PAGE 1 OF 1

SERVICE LOCATIONS 1. <i>Wayz, ks</i> 2. <i>Ness City, ks</i>	WELL/PROJECT NO. <i>3-32</i>	LEASE <i>Phyllis</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY	DATE <i>5-7-11</i>	OWNER <i>Same</i>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Ness</i>	RIG NAME/NO.	SHIPPED VIA <i>24</i>	DELIVERED TO <i>Location</i>	ORDER NO.		
WELL TYPE <i>oil</i>	WELL CATEGORY <i>development</i>	JOB PURPOSE <i>Top off 8 5/8"</i>	WELL PERMIT NO.	WELL LOCATION			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575		1			MILEAGE = 11	20	mi	5	00	100 00
5765		1			Pump Charge (Top off)	1	ea	750	00	750 00
<del>577</del> 290		1			D-Air	2	gal	35	00	70 00
330		2			SMD Cement	125	shs	15	00	1875 00
276		2			Flacelo	25	shs	1	50	37 50
581		2			Cement Service Charge	125	shs	1	50	187 50
582		2			Minimum Drayage	1	ea	250	00	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 *5-7-11* TIME SIGNED *1545*  AM  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?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	<i>3270 00</i>
TAX <i>6.3%</i>	<i>124 90</i>
TOTAL	<i>3394 90</i>

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 SWIFT OPERATOR *Mich Koske* APPROVAL

Thank You!





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

TICKET  
**20625**

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **NESS CITY, KS.** WELL/PROJECT NO.: **PHYLUS 3-32** LEASE: **NESS** COUNTY/PARISH: **NESS** STATE: **KS.** CITY: **BAZINE, KS.** DATE: **28 APR 11** OWNER:  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **PETROMARK DRILLING** RIG NAME/NO.: **LOCATION** SHIPPED VIA: **LOCATION** ORDER NO.:  
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **5 1/2 LONGSTRING** WELL PERMIT NO.: WELL LOCATION: **1E, S/E INTO**  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #110	20	MIL			5 <sup>00</sup>	100 <sup>00</sup>
578		1			PUMP CHARGE	1	DRS		FT	1400 <sup>00</sup>	1400 <sup>00</sup>
402		1			CENTRALIZERS		STE			65 <sup>00</sup>	325 <sup>00</sup>
403		1			BASKET	1	EA.			230 <sup>00</sup>	230 <sup>00</sup>
406		1			LATCH DOWN PLUG & BAFFLE	1	EA.			225 <sup>00</sup>	225 <sup>00</sup>
407		1			INSERT FLOAT SHOE W/ APTO FILL	1	EA.			300 <sup>00</sup>	300 <sup>00</sup>
281		1			MUD FLUSH	500	GAL			1 <sup>00</sup>	500 <sup>00</sup>
221		1			LIQUID KCL	2	GAL			25 <sup>00</sup>	50 <sup>00</sup>

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 *[Signature]*  
 DATE SIGNED: **28 APR 11** TIME SIGNED: **1015**  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	PAGE 1	3130 <sup>00</sup>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE 2	4036 <sup>00</sup>
WE UNDERSTOOD AND MET YOUR NEEDS?					7166 <sup>00</sup>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT OPERATOR

APPROVAL

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 28 APR 11 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE PHYLIS 3-32

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 20625

CHART NO.	TIME	RATE (SPM)	VOLUME (DBL) (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. RTD 4220 SHOE IT. 42.21 CENTRALIZERS 1, 2, 3, 4, 80 BASKETS
	0820							DRDP 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 sy)
	0900	4	35		7		300	MIX 195 sy LA2
	0920							WASH OUT Pumping LINES
	0922	6			7			RELEASE TRUG START DISPLACEMENT
	0939		99		7		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
								WASH TRUCK
	1015							JOB COMPLETE.
								THANKS B 110
								JASON JEFF DAVID



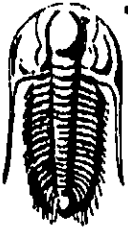
PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20625

CUSTOMER AMERICAN WARRIOR WELL PHYLLIS 3-32 DATE 28 April PAGE 2 OF 2

276	1		FLOCFE	44 lbs	1.50	66.00
283	1		SALT	900 lbs	15	135.00
284	1		CALSEAL	8 1/2 x	30.00	240.00
292	1		HALAD 322	124 lbs	7.50	930.00
290	1		D-AIR	1 1/2 sac	35.00	52.50
325	1		STANDARD CEMENT	175 1/2 x	12.00	2100.00
581	1		SERVICE CHARGE	CUBIC FEET 175 1/2 x	1.50	262.50
582	1		TOTAL WEIGHT 18318	LOADED MILES 20	TON MILES 183.18	250.00
						4036.00



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
 P.O. Box 399  
 Garden City, KS 67846  
 ATTN: Jason Alm

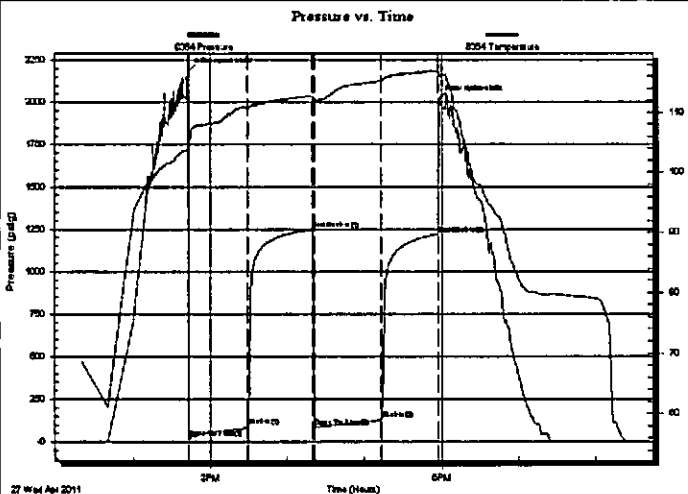
**Phyllis #3-32**  
**32/18S/21W-Ness**  
 Job Ticket: 42797      DST#: 1  
 Test Start: 2011.04.27 @ 13:09:50

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 14:43:00      Tester: Dustin Rash  
 Time Test Ended: 20:23:20      Unit No: 38  
 Interval: 4207.00 ft (KB) To 4217.00 ft (KB) (TVD)      Reference Elevations: 2123.00 ft (KB)  
 Total Depth: 4217.00 ft (KB) (TVD)      2117.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Poor      KB to GR/CF: 6.00 ft

**Serial #: 8354      Inside**  
 Press@RunDepth: 129.16 psig @ 4209.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.04.27      End Date: 2011.04.27      Last Calib.: 2011.04.27  
 Start Time: 13:19:50      End Time: 20:23:20      Time On Btm: 2011.04.27 @ 14:42:50  
 Time Off Btm: 2011.04.27 @ 17:58:20

**TEST COMMENT:** IF-Weak building blow . B.O.B. in 28 minutes.  
 IS-Return @ 45 seconds. Built to 1 inch. Died @ 32 minutes.  
 FF-Weak building blow . B.O.B. in 26 minutes.  
 FS- Return @ 45 seconds. Built to 1/2 inch. D



## PRESSURE SUMMARY

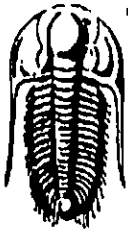
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.76	104.56	Initial Hydro-static
1	22.96	103.32	Open To Flow (1)
47	89.97	110.65	Shut-In(1)
98	1246.35	112.73	End Shut-In(1)
99	86.15	112.34	Open To Flow (2)
151	129.16	115.27	Shut-In(2)
195	1218.69	116.85	End Shut-In(2)
196	2016.80	116.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	60% Mud/20% Oil/10% Gas/10% Water	0.30
62.00	60% Mud/20% Gas/20% Oil	0.33
186.00	60% Gas/40% Oil	2.61
0.00	186' G.I.P.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.  
P.O. Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**Phyllis #3-32**  
**32/18S/21W-Ness**  
Job Ticket: 42797      DST#: 1  
Test Start: 2011.04.27 @ 13:09:50

**Mud and Cushion Information**

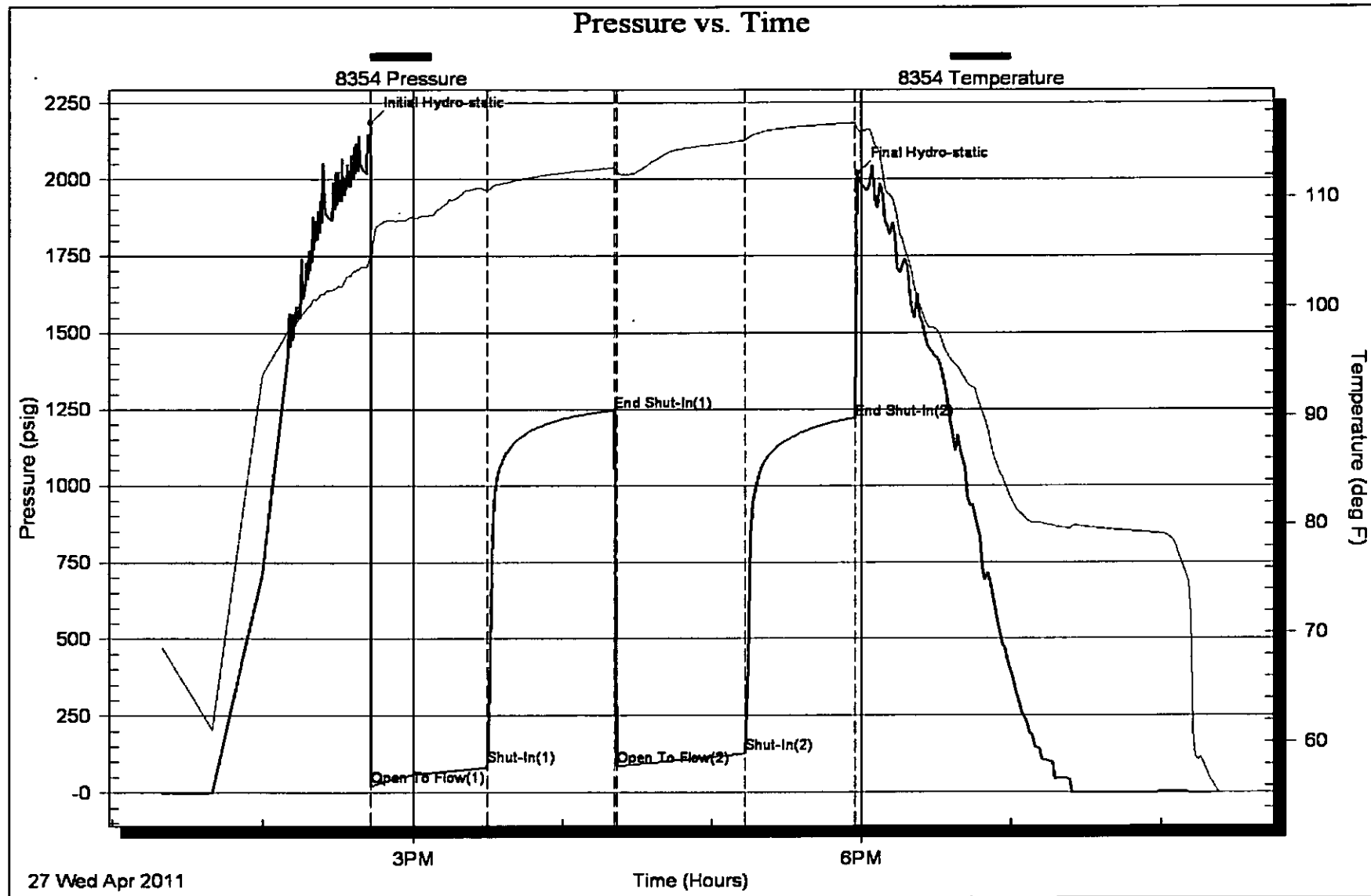
Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7500.00 ppm		
Filter Cake: inches		

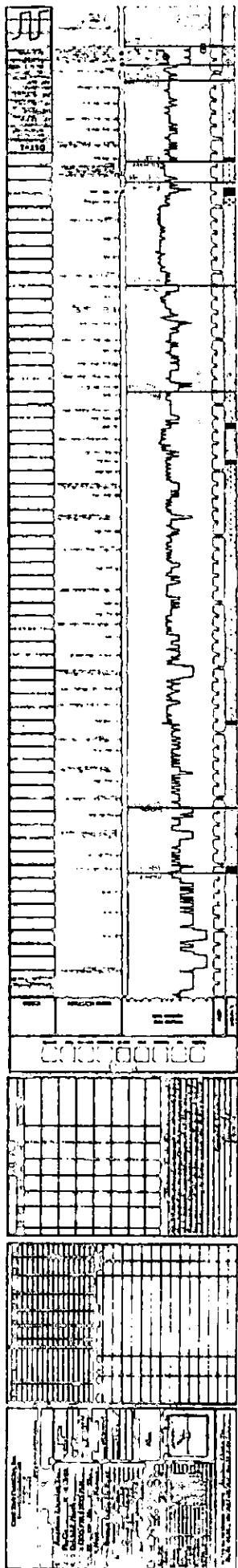
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
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**

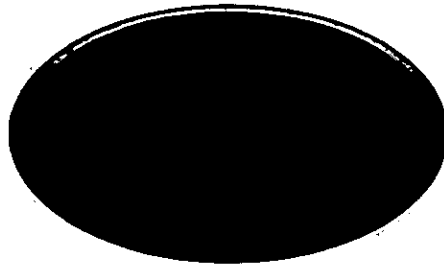
American Warrior, Inc.

**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

**Formation**  
 Anhydrite  
     Base  
 Heebner  
 Lansing  
 BKc  
 Pawnee  
 Fort Scott  
 Cherokee  
 Mississippian  
 Osage  
 RTD

<b>American Warrior, Inc.</b>	
Phyllis #3-32	
Sec. 32 T18s R21w	
1300' FNL & 1800' FWL	
	1358', +765
	1389', +734
	3594', -1471
	3643', -1520
	3960', -1837
	4040', -1917
	4118', -1995
	4133', -2010
	4195', -2072
	4206', -2083
	4220', -2097

## 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**

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

## **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>
-----------------------------	------------------------	---------------

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.