



**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: \_\_\_\_\_



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  <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">Name</td> <td style="width:15%; border: none;">Top</td> <td style="width:15%; border: none;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

<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> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Moore 8-1
Doc ID	1153913

Tops

Name	Top	Datum
Anhydrtie	1381	755
Heebner	3606	-1470
Lansing	3652	-1516
Base Kansas City	3982	-1846
Pawnee	4063	-1927
Ft. Scott	4144	-2008
Cherokee	4165	-2029
Mississippian	4228	-2092
TD	4253	-2117



Services, Inc.

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

TICKET  
 No **24255**

PAGE 1 OF 1

SERVICE LOCATIONS: Moody KS WELL/PROJECT NO: 8-1 LEASE: Moore COUNTY/PARISH: Moore STATE: KS CITY: Bazine DATE: 12 APR 13 OWNER: \_\_\_\_\_  
 1. Moody KS CONTRACTOR: \_\_\_\_\_ RIG NAME/NO: \_\_\_\_\_ SHIPPED: KS DELIVERED TO: \_\_\_\_\_ ORDER NO: \_\_\_\_\_  
 2.  SERVICE  SALES WELL TYPE: Development WELL CATEGORY: Development JOB PURPOSE: Drill deep surface WELL PERMIT NO: \_\_\_\_\_ WELL LOCATION: 1.5 cont into  
 3. \_\_\_\_\_  
 4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	20	mi			6.00	120.00
576D					PUMP Charge	1	ea			1250.00	1250.00
409					TURBOLIZER	85	in	4	ea	100.00	400.00
410					TOP RUN	85	in	1	ea	100.00	100.00
412					Bottle Plate	85	in	1	ea	110.00	110.00
330					SMD cement	425	sk			16.50	7012.50
276					Flange	125	lb			2.00	250.00
287					D-Air	4	gal			35.00	140.00
281					Muff Flush	500	gal			1.25	625.00
221					KCL Liquid	2	gal			25.00	50.00
583					Drillage	4477	lb	447	ea	1.00	447.80
SP1					Service charge	425	hr			2.00	850.00

LESSEE'S 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

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  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO  
 WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO  
 OUR SERVICE WAS FEAR-GUARDED WITHOUT DELAY?  YES  NO  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO  
 WERE YOU SATISFIED WITH OUR SERVICE?  YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL \_\_\_\_\_ TAX \_\_\_\_\_ TOTAL \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_  
 Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE APR 13 PAGE NO.

CUSTOMER American Warrior WELL NO. 8-1 LEASE Moore JOB TYPE Cement deep surface pipe TICKET NO. 24255

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								425sk SMD cement w/ 1/4" floccules
								8 3/8 x 23" casing 37 joints 1402'
								shoe pt 25' Cont 1, 4, 12, 27
	1000							on loc TRK 110
								start 8 3/8 x 23" casing in well
	1307							circulate
	1405	4 3/4	12			200		Pump 12 bbl mudflish
		4 3/4	20			200		Pump 20 bbl KCL 11/20
	1415	5	47			200		mix SMD cement 100sk @ 11.8 ppg
		5	54			200		mix SMD cement 150sk @ 12.7 ppg
		5	31			200		mix SMD cement 100sk @ 13.5 ppg
		5	21			300		mix SMD cement 75sk @ 14.5 ppg
			<u>151 sk</u>					<u>450sk</u>
	1450							Release plug
	1452	6				300		Displace plug
		6	66			400		Cement to surface
								50sk top pt
	1500	6	88			400		Kelcoat
						400		close in 8 3/8 400 psi
								unroll truck
								pack up
								job complete
								Thank
								Rob. Plaine? DAVE



Services, Inc.

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

TICKET  
 No. **24201**

PAGE 1 OF 2

SERVICE LOCATIONS: Nov 14, KS WELL/PROJECT NO: 8-1 LEASE: Moore COUNTY/PARISH: Deas STATE: KS CITY: Bartine DATE: 18 APR 13 OWNER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_ RIG NAME/NO: \_\_\_\_\_ ORDER NO: \_\_\_\_\_  
 TICKET TYPE:  SERVICE  SALES  
 WELL TYPE: 0.1 WELL CATEGORY: Development JOB PURPOSE: concrete bag string WELL PERMIT NO: \_\_\_\_\_  
 REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_ WELL LOCATION: 1-9-22

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT			UM	UM				
575		1		MILEAGE	722 1/4	22	mi			600	120 00
578		1		Pump Charge		1	ea			1500 00	1500 00
402		1		Contractor		5 1/2	in	5	ea	70 00	350 00
403		1		Cement Bucket		5 1/2	in	104		250 00	250 00
404		1		Latex Hand Dig Bottle		5 1/2	in	1	ea	750 00	750 00
407		1		Roller head <del>roller</del>		5 1/2	in	1	ea	200 00	200 00
				Insert flat shoe w/ auto fill		5 1/2	in	1	ea	350 00	350 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

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:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE UNDERSTOOD AND MET YOUR NEEDS?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALLATIONS SATISFACTORILY?  WERE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 2880 00  
5136 25  
7956 25

TAX: \_\_\_\_\_  
 TOTAL: \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS: \_\_\_\_\_  
 SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_  
 Thank You!



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

TICKET CONTINUATION

TICKET No. 24261

CUSTOMER Z Merian Libbert

WELL MDS 8-1

DATE 19 APR 13

PAGE 2 OF 2

Item	Quantity	Description	Unit	Price	Total
325	1	Standard consult (for ex-2)	175 SK	13.50	2362.50
284	1	Colseal	800 SK	35.00	2800.00
283	1	Salt	900 lb	2.20	1800.00
292	1	Ballad - 322	125 lb	7.75	968.75
276	1	Fraser	50 lb	2.00	100.00
281	1	MudFlush	500 gal	1.85	625.00
221	1	Kck Liquid	2 gal	25.00	50.00
290	1	D-air	2 gal	35.00	70.00
582	1	Drayage (W'n)	1 a	250.00	250.00
581	1	Service Charge	2.00	350.00	350.00
		TOTAL WEIGHT	175		
		LOADED MILES			
		CUBIC FEET	1.2		
		TON MILES			
					5136.25

JOB LOG

SWIFT Services, Inc.

DATE 8 APR 13 PAGE NO.

CUSTOMER American Warrior WELL NO. 8-1 LEASE MOORE JOB TYPE Cement long string TICKET NO. 24261

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 w/ 1/2" Floate
								5 1/2" 155# 101/16 4253'
								Shrc jt 4244'
								Cent 1, 2, 3, 4, 80 Bshrt 5 no pot rollers
	0430							on loc TRK 114
	0505							skrt 5 1/2" 15.5# pipe in well
	0810							circ down last joint
	0835							Dropfall - circulate - <del>ROTATE</del>
	0900	4 3/4	12				200	Pump 500 gal mix flush
		4 3/4	20				200	Pump 20 bbl KCL flush
	0910		7					Plug RH - 305#
	0915	4 3/4	35				200	Mix EA-2 cement 145 sk @ 15.3 gpm
								Drop latch down plug
								wash out pump & line
	0925	6 3/4					300	Displace plug
		<del>4 1/2</del>	90				1000	
	0945	4 1/2	100				1550	Land plug
	0948							Release pressure to truck - drain up
								Wash truck
								Rack up
	1020							job complete
								Flaks
								DOUG, DAK & BIRNIE





Services, Inc.

CHARGE TO: American Vactor  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET No **24274**

PAGE 1 OF 1

SERVICE LOCATIONS: Liberty KS WELLPROJECT NO: 8-1 LEASE: Moore COUNTY/PARISH: Law STATE: KS CITY: Bazine DATE: 2 MAY 13 OWNER: \_\_\_\_\_

TICKET TYPE:  SERVICE  SALES CONTRACTOR: \_\_\_\_\_ RIG NAME/NO: \_\_\_\_\_ SHIPPED/DELIVERED TO: WV CT location ORDER NO: \_\_\_\_\_

WELL TYPE: D-1 WELL CATEGORY: \_\_\_\_\_ JOB PURPOSE: Development count bar side WELL PERMIT NO: \_\_\_\_\_ WELL LOCATION: 1-19-22

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 TRK 110	20	mi			6.00	120.00
577		1			Pump Charge	1	hr			1000.00	1000.00
330		1			SWD Component	125	stk			1.35	2125.00
276		1			Fluxide	25	lb			2.00	50.00
290		1			D-size	1	gal			42.00	42.00
581		1			Service Charge	125	stk			2.00	250.00
582		1			Dragee (wind)	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: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  A.M.  P.M.

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

PAGE TOTAL: 3837.00

TOTAL: 3976.67

SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2 MAY 13 PAGE NO.

CUSTOMER American Warrior WELL NO. 8-1 LEASE Moore JOB TYPE Cement backside TICKET NO. 24274

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD cement w/ 1/4" floccle 5 1/2 x 8 1/2 - cement annulus
	1435							on loc TRK 110 pressure 5 1/2 to 500 psi - shut in
	1500	2	1			500		inj rate 2 bpm @ 500 psi
	1505	1 1/2	2			1000		Mix SMD cement 125 sk @ 12.7 ppg break back
		2	42			700		plug 1 bbl H <sub>2</sub> O
	1540					200		shut in backside w/ 200 psi release pressure from 5 1/2" wash truck
	1600							Rack up REPLACE HIGH-PRESSURE hull bag job complete Thanks Blake, Phil, & Dave



# Geologic Report

Drilling Time and Sample Log

Operator <b>American Warrior, Inc.</b>		Elevation KB 2130'
Lease <b>Moore</b>	No. <b>8-1</b>	DF 2136'
API # <b>15-135-25506-0000</b>		Casing Record Surface 8 5/8" @ 1390'
Field <b>DeWald North</b>		Production 5 1/2" @ 4249'
Location <b>1397' FNL &amp; 462' FEL</b>		Electrical Surveys CNL/CDL, DIL
Sec. <b>1</b>	Twp. <b>18s</b>	Rgc. <b>22w</b>
County <b>Ness</b>	State <b>Kansas</b>	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	1381' +755	1379' +757	-6
Base	1417' +719	1414' +722	-5
Heebner	3606' -1470	3640' -1504	-3
Lansing	3652' -1516	3688' -1552	-3
BKc	3982' -1846	4016' -1880	
Pawnee	4063' -1927	4097' -1961	-7
Fort Scott	4144' -2008	4178' -2042	-8
Cherokee	4165' -2029	4197' -2061	-9
Mississippian	4228' -2092	4260' -2124	-12
Osage	4246' -2110	4279' -2143	
Total Depth	4250' -2114	4283' -2147	

Reference Well For Structural Comparison American Warrior, Inc. Moore #3-1  
1850' FNL & 720' FEL Sec. 1 T18s R22w Ness Co. Kansas

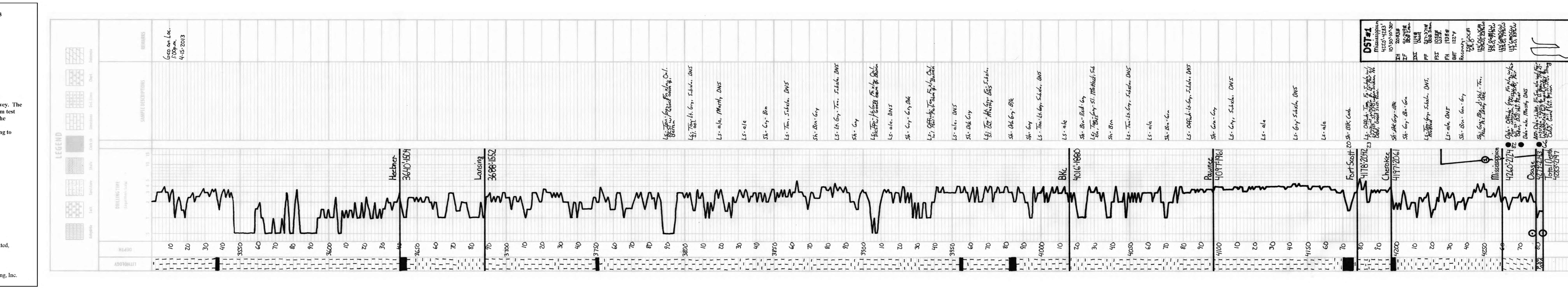
Drilling Contractor	Petromark Drilling, L.L.C. Rig #1	
Commenced	4-10-2013	Completed 4-18-2013
Samples Saved From	3900'	To RTD
Drilling Time Kept From	3600'	To RTD
Samples Examined From	3900'	To RTD
Geological Supervision From	3800'	To RTD

Displacement 3500' Mud Type Chemical

## Summary and Recommendations

The location for the Moore #8-1 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 Moore #8-1 well.

Respectfully Submitted,  
  
Jason T Alm  
Hard Rock Consulting, Inc.



# **Geological Report**

American Warrior, Inc.

**Moore #8-1**

1397' FNL & 462' FEL

Sec. 1 T19s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Moore #8-1  
1397' FNL & 462' FEL  
Sec. 1 T19s R22w  
Ness County, Kansas  
API # 15-135-25506-0000

Drilling Contractor: Petromark Drilling, LLc. Rig #1

Geologist: Jason T Alm

Spud Date: April 10, 2013

Completion Date: April 18, 2013

Elevation: 2130' Ground Level  
2136' Kelly Bushing

Directions: Bazine KS, intersection of Austin St. and Hwy 96, 1  
½ mi. south, West into location before bridge.

Casing: 1390' 8 5/8" surface casing  
4249' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "Daylan Kerr"  
CNL/CDL, DIL

Drillstem Tests: One, Trilobite Testing, Inc. "Will MacLean"

Problems: Rig was a joint long on its pipe tally resulting log to  
be 33 ft. shallow.

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc.</b>
	<b>Moore #8-1</b>
	<b>Sec. 1 T19s R22w</b>
	<b>1397' FNL &amp; 462' FEL</b>
Anhydrite	<b>1381', +755</b>
Base	<b>1417', +719</b>
Heebner	<b>3606', -1470</b>
Lansing	<b>3652', -1516</b>
BKc	<b>3982', -1846</b>
Pawnee	<b>4063', -1927</b>
Fort Scott	<b>4144', -2008</b>
Cherokee	<b>4165', -2029</b>
Mississippian	<b>4228', -2092</b>
Osage	<b>4246', -2110</b>
LTD	<b>4250', -2114</b>
RTD	<b>4283', -2147</b>

## Sample Zone Descriptions

**Miss. Warsaw (4228', -2092): Covered in DST #1**  
 Dolo – Fine crystalline with poor inter-crystalline and vuggy porosity, light to fair oil stain and saturation in porosity, fair show of free oil, fair odor, dull yellow fluorescents, 82 units hotwire.

**Mississippian Osage (4246', -2110): Covered in DST #1**  
 Δ – Dolo – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, very heavy triptolic chert, weathered with good vuggy porosity, light to fair oil stain in porosity, slight show of free oil, strong odor, good yellow fluorescents, 66 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Will MacLean"

**DST #1**

**Mississippian Osage**

Interval (4225' – 4283') Anchor Length 58'

IHP	– 2083 #	
IFP	– 10" – B.O.B. 2 min.	92-249 #
ISI	– 30" – Dead	1114 #
FFP	– 10" – B.O.B. 3 min.	257-371 #
FSI	– 30" – W.S.B.	1058 #
FHP	– 1938 #	
BHT	– 122°F	

Recovery:	258' GOCM	6% Oil
	124' OGWCM	10% Oil, 23% Water
	124' OGMCW	5% Oil, 77% Water
	124' GMOCW	12% Oil, 79% Water
	119' GMOCW	7% Oil, 83% Water

**Structural Comparison**

	American Warrior, Inc. Moore #8-1 Sec. 1 T19s R22w 1397' FNL & 462' FEL	American Warrior, Inc. Moore #3-1 Sec. 1 T19s R22w 1850' FNL & 720' FEL		American Warrior, Inc. Moore #1-1 Sec. 1 T19s R22w 530' FNL & 360' FEL	
<b>Formation</b>					
Anhydrite	<b>1381', +755</b>	1379', +761	<b>(-6)</b>	1386', +751	<b>(+4)</b>
Base	<b>1417', +719</b>	1416', +724	<b>(-5)</b>	NA	<b>NA</b>
Heebner	<b>3606', -1470</b>	3607', -1467	<b>(-3)</b>	NA	<b>NA</b>
Lansing	<b>3652', -1516</b>	3653', -1513	<b>(-3)</b>	3654', -1517	<b>(+1)</b>
BKc	<b>3982', -1846</b>	3978', -1838	<b>(-8)</b>	NA	<b>NA</b>
Pawnee	<b>4063', -1927</b>	4060', -1920	<b>(-7)</b>	4065', -1928	<b>(+1)</b>
Fort Scott	<b>4144', -2008</b>	4140', -2000	<b>(-8)</b>	4146', -2009	<b>(+1)</b>
Cherokee	<b>4165', -2029</b>	4160', -2020	<b>(-9)</b>	4166', -2029	<b>FL</b>
Mississippian	<b>4228', -2092</b>	4220', -2080	<b>(-12)</b>	4236', -2099	<b>(+7)</b>
Osage	<b>4246', -2110</b>	4220', -2080	<b>(-30)</b>	4236', -2099	<b>(-11)</b>

## Summary

The location for the Moore #8-1 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 Moore #8-1 well.

### Recommended Perforations

#### Primary

Mississippian Osage:	(4246' – 4249')	DST #1
----------------------	-----------------	--------

#### Before Abandonment

Mississippian Warsaw:	(4228' – 4238')	DST #1
-----------------------	-----------------	--------

Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 P.o Box 399  
 Garden City KS. 67846  
 ATTN: Jason T Alm

**1-19s-22w Ness Co. KS.**  
**Moore # 8-1**  
 Job Ticket: 49232      **DST#: 1**  
 Test Start: 2013.04.17 @ 08:36:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 11:00:40  
 Tester: Will MacLean  
 Time Test Ended: 14:52:09  
 Unit No: 58  
 Interval: **4225.00 ft (KB) To 4283.00 ft (KB) (TVD)**  
 Reference Elevations: 2136.00 ft (KB)  
 Total Depth: 4283.00 ft (KB) (TVD)  
 2130.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 6.00 ft

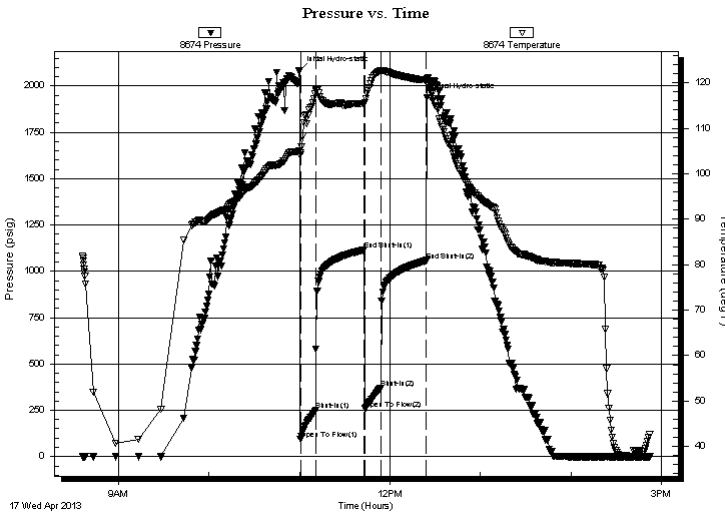
## Serial #: 8674

Inside

Press @ Run Depth: 370.66 psig @ 4226.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.04.17      End Date: 2013.04.17      Last Calib.: 2013.04.17  
 Start Time: 08:36:00      End Time: 14:52:09      Time On Btm: 2013.04.17 @ 11:00:10  
 Time Off Btm: 2013.04.17 @ 12:24:25

**TEST COMMENT:** IF- Surface Blow Built to BOB in 2min  
 IS- No Blow  
 FF- Surface Blow Built to BOB in 3min  
 FS- Weak Surface Blow in 18min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.85	105.02	Initial Hydro-static
1	92.82	104.65	Open To Flow (1)
11	248.79	118.19	Shut-In(1)
43	1114.25	115.50	End Shut-In(1)
43	257.74	115.61	Open To Flow (2)
54	370.66	122.59	Shut-In(2)
84	1057.84	120.63	End Shut-In(2)
85	1938.63	120.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
119.00	GMOCW 5%g 5%m 7%oil 83%w	0.59
124.00	GMOCW 4%g 5%m 12%oil 79%w	1.74
124.00	OGMCW 5%oil 8%g 10%m 77%w	1.74
124.00	OGWCM 10%oil 15%g 23%w 52%m	1.74
258.00	GOCM 2%g 6%oil 92%m	3.62

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.

**1-19s-22w Ness Co. KS.**

P.o Box 399  
Garden City KS. 67846

**Moore # 8-1**

Job Ticket: 49232

**DST#: 1**

ATTN: Jason T Alm

Test Start: 2013.04.17 @ 08:36:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 7.20 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5200.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 65000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	GMOCW 5%g 5%m 7%oil 83%w	0.585
124.00	GMOCW 4%g 5%m 12%oil 79%w	1.739
124.00	OGMCW 5%oil 8%g 10%m 77%w	1.739
124.00	OGWCM 10%oil 15%g 23%w 52%m	1.739
258.00	GOCM 2%g 6%oil 92%m	3.619

Total Length: 749.00 ft      Total Volume: 9.421 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW is .197 @ 43f = 65000

# Pressure vs. Time

