



KCC

AUG 07 2007

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Operator Name: American Warrior, Inc. Lease Name: LUDWIG Well #: 2-3  
 Sec. 3 Twp. 18 S. R. 13  East  West County: Barton

**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 copy of all Electric Wireline 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  
 (Submit Copy)

List All E. Logs Run:

Dual Compensated Porosity Log; Sonic Cement Bond Log, Dual Induction Log; Microresistivity Log;

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Top Anhydrite	725	-1101
Base Anhydrite	749	-1077
Topeka	2697	-871
Heebner	2981	-1155
Toronto	2996	-1170
LKC	3086	-1260
BKC	3310	-1484
Arbuckle	3312	-1486

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 Pipe	12-1/4"	8-5/8"	23#	720'	Common	425 sx	3 % cc & 2 % gel
Production Pipe	7-7/8"	5-1/2"	14#	3372'	EA2	150 sx	Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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 (Amount and Kind of Material Used)	Depth
4	3162' to 3174'	FE Acid 1500 Gal 15%	

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

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
N/A	<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

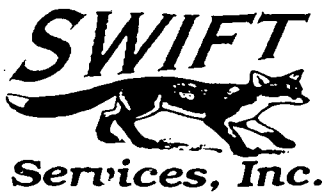
METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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CONSERVATION DIVISION WICHITA, KS



CHARGE TO: *AMERICAN WARRIOR*

ADDRESS:

CITY, STATE, ZIP CODE:

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TICKET

N<sup>o</sup> 11546

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>HA-45</i>	WELL/PROJECT NO. <i>2-3</i>	LEASE <i>LUDWIG</i>	COUNTY/PARISH <i>BARZON</i>	STATE <i>KS</i>	CITY	DATE <i>06-21-07</i>	OWNER
2. <i>NESS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <i>PETROMARY DRILL # 2</i>	SHIPPED VIA <i>GT</i>	DELIVERED TO <i>1145 S. W. HOUSTON AVE</i>	ORDER NO.	
3.	WELL TYPE <i>OIL</i>	WELL CATEGORY <i>DEVELOP</i>	JOB PURPOSE <i>LONG STRING</i>	WELL PERMIT NO. <i>15-009-25062</i>	WELL LOCATION <i>S3, T18, R13</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
<i>575</i>		<i>1</i>			<i>MILEAGE #125</i>	<i>60</i>	<i>mi</i>			<i>4.00</i>	<i>240</i>	<i>00</i>	
<i>578</i>		<i>1</i>			<i>PUMP SERVICE</i>	<i>1</i>	<i>EA</i>			<i>1250.00</i>	<i>1250</i>	<i>00</i>	
<i>221</i>		<i>1</i>			<i>LIQUID NGL</i>	<i>2</i>	<i>GAL</i>			<i>26.00</i>	<i>52</i>	<i>00</i>	
<i>281</i>		<i>1</i>			<i>MUD FLUSH</i>	<i>500</i>	<i>GAL</i>			<i>.75</i>	<i>375</i>	<i>00</i>	
<i>290</i>		<i>1</i>			<i>D-AIR</i>	<i>1</i>	<i>GAL</i>			<i>32.00</i>	<i>32</i>	<i>00</i>	
<i>402</i>		<i>1</i>			<i>CENTRALIZER</i>	<i>8</i>	<i>EA</i>	<i>5 1/2</i>	<i>in</i>	<i>95.00</i>	<i>760</i>	<i>00</i>	
<i>403</i>		<i>1</i>			<i>CMT BASIN</i>	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>in</i>	<i>290.00</i>	<i>290</i>	<i>00</i>	
<i>406</i>		<i>1</i>			<i>LATCH DOWN PLUG &amp; BAFFLE</i>	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>in</i>	<i>235.00</i>	<i>235</i>	<i>00</i>	
<i>407</i>		<i>1</i>			<i>FREEZE FLAT SHOE W/AUTO FILL</i>	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>in</i>	<i>310.00</i>	<i>310</i>	<i>00</i>	

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**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 *Joe Smith*

DATE SIGNED *06-21-07* TIME SIGNED *2330*  A.M.  P.M.

**REMIT PAYMENT TO:**

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

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	<i>P6-1</i>	<i>3544</i>	<i>00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>P6-2</i>	<i>3441</i>	<i>62</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				<i>sub</i>	<i>6985</i>	<i>62</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<i>TOTAL</i>		
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>Barzton TAX</i>	<i>314</i>	<i>22</i>
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		<i>6.55%</i>		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				<b>TOTAL</b>	<i>7299</i>	<i>84</i>



**JOB LOG**

**SWIFT Services, Inc.**

DATE 062107 PAGE NO. 1

CUSTOMER AWI WELL NO. 23 LEASE LUDWIG JOB TYPE LONGSTRING TICKET NO. 11546

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							DNLOCATION, DISCUSS JOB, 16SEA-2 CMT PTD 3380, Sp @ 3379, SJ 22.49, TWT 3356 5 1/2 14" CSU CENT 1, 3, 5, 7, 9, 11, 13, 15 BASKET ON 4
	1140							ST. CSG - FIDATEQ TAG BOTTOM - DROP BALL HOOPUP @ A LEGGS BREM CIRC PLUG RAT HOLE
	0100							
	0115							ST. MUO FLUSH ST. HCL FLUSH END OF FLUSH
	0200		4					
	0205	60	0		✓		200	ST. EA 2 CMT
			12		✓			END CMT
			32		✓			WASH PL. - DROP LATCH DOWN PLUG
	0210	50	0		✓		200	ST. DISP.
			36.5		✓			CMT ON BOTTOM
	0220	60	0		✓		200	
			46		✓		200	
			60		✓		350	
			65		✓		450	
			70		✓		650	
			75		✓		700	
	0235	40	81.7		✓		1600	LAND PLUG
	0240							RELEASE - DRY!
								WASHUP
								RACH UP
								TICKETS
	0330							JOB COMPLETE

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THANK YOU!  
DATE: BEAUNE, JEFF

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WICHITA, KS



# Geological Report

American Warrior Inc.  
Ludwig #2-3  
961' FNL & 1514' FWL  
Sec. 3 T18S R13W  
Barton County, Kansas

Marc Downing  
Consulting Petroleum Geologist

**American Warrior, Inc.**

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WICHITA, KS

## General Data

Well Data: American Warrior Inc,  
Ludwig #2-3  
S/2 S/2 SE  
961' FNL & 1514' FWL  
Sec. 3 T. 18S R. 13 W.  
Barton County, Kansas  
API # 15-009-25062-0000

Drilling Contractor: Petromark Rig #2

Spud Date: June 6, 16, 2007

Completion Date: June 21, 2007

Elevation: 1821' Ground Level  
1826' Kelly Bushing

Directions: Hoisington, KS, East 1 ½ miles on Highway 4,  
South into.

Casing: 729' 8 5/8" surface casing  
3374' 5 ½" production pipe

Samples: 10' wet and dry, 2650' to RTD

Drilling Time: 2600' to RTD

Electric Logs: Log-Tech – J. Loffredi  
Density Neutron, Dual Induction, Micro

Drillstem Tests: Two, Trilobite Testing Inc. "Travy Cushenbery"

Problems: Gas detector malfunction during shallow gas  
intervals.

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## Formation Tops

American Warrior, Inc.

Ludwig #2-3

Sec. 3 T18S R13W

Formation	961' FNL & 1514' FWL
Anhydrite	725' (+1101)
Base	749' (+1077)
Herrington	1602' (+224)
Topeka	2697' (-871)
Heebner	2981' (-1155)
Toronto	2996' (-1170)
Douglas Sh.	3009' (-1183)
Brown Lm.	3068' (-1242)
Lansing	3086' (-1260)
BKC	3310' (-1484)
Arbuckle	3312' (-1486)
RTD	3380'
LTD	3375'

## Sample Zone Descriptions

### LKC G-zone 3164 (-1338):

LS: White, oolitic w/ very good oolitic porosity. Many barren rocks, scattered good stain and good gassy show free oil. Good odor. 146 unit gas kick.

### LKC H-zone 3213 (-1387):

LS: White, oolitic w/ few fossils. Good oolitic porosity w/ good stain and good gassy show free oil. Fair-good odor. 28 unit gas kick.

### LKC I-zone 3234 (-1408):

LS: white, oolitic w/ some fossils. Slight inter-oolitic porosity w/ dead oil stain. No show free oil, no odor.

### Arbuckle 3312 (-1486):

DOLO: white-tan, fine sucrossic crystalline, few rhombs. Good inter-crystalline porosity in part, slight brown stain w/ fair spotted show free oil. Many barren rocks, good odor. Few very tight rocks w/ gilsonite stain.

### Arbuckle 2<sup>nd</sup> break:

DOLO: white, medium-coarse rhombohedral crystalline, mostly all barren. Few scattered fine sucrossic crystalline rocks w/ light brown stain and saturation w/ spotted show free oil. Light odor.

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**Drill Stem Tests**

Trilobite Testing Inc.  
Travy Cushenbery

DST #1

LKC - H zone

Interval: 3204-3226

Times: 30-30-30-30

I.F. - 1/8" blow, died 25 min.

I.S.I. - dead "

F.F. - 1/8" blow.

F.S.I. - dead

HP: 1662-1581#

BHT: 104° F

IFP: 19-18#

ISI: 26#

FFP: 19-18#

FSI: 21#

Recovery:

1' mud

DST #2

Arbuckle: Straddle

Interval: 3284-3318

Times: 30-30-60-60

I.F. - 1 1/2"

I.S.I. - dead

F.F. - BOB 20 min.

F.S.I. - dead

HP: 1691-1655#

BHT: 109° F

IFP: 27-1419#

ISI: 1695#

FFP: 139-231#

FSI: 907#

\*\*\* Initial pressures are inaccurate. The packer seat was lost but regained during initial shut-in, due to tool sliding after open. Final pressures are true.

Recovery:

248' mud

62' OCM (30%O, 70%M)

124' WOCM (30%O, 24%W)

124' OCWM (10%O, 24%W)

Chlorides = 16,000 ppm

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## Structural Comparison

	American Warrior, Inc. Ludwig #2-3 961' FNL & 1514' FWL Barton Co., KS 15-009-25062-0000	Benson Mineral Group, Inc. Morrison #1 NW NE NW Barton Co., KS 15-009-21265-0000
<b>Formation</b>		
Anhydrite	725' (+101)	(+1100) +1
Base	749' (+1077)	NA
Herrington	1602' (+224)	NA
Topeka	1602' (-871)	(-868) -3
Heebner	2981' (-1155)	(-1152) -3
Toronto	2996' (-1170)	(-1166) -4
Douglas Sh.	3009' (-1183)	Na
Brown Lm.	3068' (-1242)	(-1241) -1
LKC	3086' (-1260)	(-1258) -2
BKC	3310' (-1484)	NA
Arbuckle	3312' (-1486)	(-1483) -3

## Summary

The Ludwig #2-3 ran slightly low structurally to the nearest producing well. Due to sample shows and log interpretation, it was decided to run 5 1/2" production pipe for completion in the Arbuckle and LKC.

## Recommended Perforations

LKC G zone: 3167-74 (first, squeeze if wet)  
Arbuckle: 3312-16

Respectfully Submitted,

  
Marc Downing

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