

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 4058  
Name: American Warrior, Inc.  
Address: P. O. Box 399  
City/State/Zip: Garden City, KS 67846  
Purchaser: NCRA  
Operator Contact Person: Joe Smith  
Phone: ( 620 ) 275-2963  
Contractor: Name: Berentz Drilling Company, Inc.  
License: 5892  
Wellsite Geologist: Steven P. Murphy, PG

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

1-16-06	1-24-06	2-6-06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-23,121 0000  
County: Graham  
APP SE NE SW Sec. 31 Twp. 7 S. R. 21  East  West  
1490 FSL feet from S / N (circle one) Line of Section  
2240 FWL feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Van Loenen Well #: 1  
Field Name: Buckner Northeast  
Producing Formation: Arbuckle  
Elevation: Ground: 2148.9' Kelly Bushing: 2153.9'  
Total Depth: 3740' Plug Back Total Depth: 3714'  
Amount of Surface Pipe Set and Cemented at 217 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1729 Feet  
If Alternate II completion, cement circulated from 1729  
feet depth to Surface w/ 135 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *ACT II Ash*  
Chloride content 9,000 ppm Fluid volume 200 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: **RECEIVED**  
Operator Name: **KANSAS CORPORATION COMMISSION**  
Lease Name: \_\_\_\_\_ License No. MAR 07 2006  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R.  East  West  
County: \_\_\_\_\_ Docket No.: **WICHITA, KS**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]  
Title: Compliance Coordinator Date: 3-3-06  
Subscribed and sworn to before me this 3rd day of March  
20 06  
Notary Public: [Signature]  
Date Commission Expires: 09-12-09

**ERICA KUHLMIEIER**  
Notary Public - State of Kansas  
My Appt. Expires 09-12-09

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: **CONFIDENTIAL**  
 Wireline Log Received **MAR 07 2006**  
 Geologist Report Received **KCC**  
 UIC Distribution

Operator Name: American Warrior, Inc. Lease Name: Van Loenen Well #: 1  
 Sec. 31 Twp. 7 S. R. 21  East  West County: Graham

**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 <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 <i>(Submit Copy)</i>  List All E. Logs Run:  Microresistivity Log, Borehole Compensated Sonic Log, Dual Compensated Porosity Log, Dual Induction Log, Sonic Cement Bond Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1749</td> <td>+396</td> </tr> <tr> <td>B. Anhydrite</td> <td>1571</td> <td>+458</td> </tr> <tr> <td>Topeka</td> <td>3114</td> <td>-969</td> </tr> <tr> <td>Heebner</td> <td>3324</td> <td>-1179</td> </tr> <tr> <td>Toronto</td> <td>3347</td> <td>-1202</td> </tr> <tr> <td>Lansing</td> <td>3360</td> <td>-1215</td> </tr> <tr> <td>BKC</td> <td>3557</td> <td>-1412</td> </tr> <tr> <td>Arbuckle</td> <td>3362</td> <td>-1517</td> </tr> </table>	Name	Top	Datum	Anhydrite	1749	+396	B. Anhydrite	1571	+458	Topeka	3114	-969	Heebner	3324	-1179	Toronto	3347	-1202	Lansing	3360	-1215	BKC	3557	-1412	Arbuckle	3362	-1517
Name	Top	Datum																										
Anhydrite	1749	+396																										
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Heebner	3324	-1179																										
Toronto	3347	-1202																										
Lansing	3360	-1215																										
BKC	3557	-1412																										
Arbuckle	3362	-1517																										

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#	211'	Common	160sx	3% cc 6% gel
Production Pipe	7-7/8"	5-1/2"	15.5#	3739'	EA2	150sx	Flocele

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
4	3521' to 3526	15% MCA Acid 500 gal	
<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b> <b>MAR 07 2006</b> <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>			

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	3709'	None	<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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio Gravity
	N/A	N/A	N/A	

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 <input type="checkbox"/> Other (Specify) _____
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**CONFIDENTIAL**  
**MAR 07 2006**  
**KCC**



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

CONFIDENTIAL  
 MAR 07 2006

TICKET No 9612

PAGE 1 OF 2

1. SERVICE LOCATIONS: *Hays, Ks.* WELL/PROJECT NO.: *1-31* LEASE: *Van heonen* COUNTY/PARISH: *Graham* STATE: *Ks.* CITY: *KCC* DATE: *1-23-06* OWNER: *Same*

2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: *M+D* RIG NAME/NO.: \_\_\_\_\_ SHIPPED VIA: *BIT* DELIVERED TO: *Loc.* ORDER NO.: \_\_\_\_\_

3. WELL TYPE: *Oil* WELL CATEGORY: *Development* JOB PURPOSE: *Cont. 5 1/2" Prod. Csg.* WELL PERMIT NO.: \_\_\_\_\_ WELL LOCATION: \_\_\_\_\_

4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF									
575		1			MILEAGE #103	70		mil		4.00	280	00	
578		1			Pump Service	1		ea		1250.00	1250	00	
407		1			Insert Float Shoe	1		ea	5 1/2 in.	250.00	250	00	
406		1			Latch Down Plug + Be. Flt.	1		ea	"	210.00	210	00	
402		1			Centralizers	8		ea	"	60.00	480	00	
403		1			Basket	3		ea	"	225.00	675	00	
404		1			Part Collar	1		ea	"	2000.00	2000	00	
281		1			Mud Flush	500		gal		95.00	375	00	
221		1			KCL	2		gal		25.00	50	00	
											page 1	5570	00
											page 2	2733	08
											sub	8303	08

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 CONSERVATION DIVISION  
 WICHITA, KS

See Continuation

**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: \_\_\_\_\_ 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?				PAGE TOTAL
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Graham TAX 5.55%
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				8639.51

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: *[Signature]*  
 APPROVAL: \_\_\_\_\_

Thank You!



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

TICKET CONTINUATION

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MAR 07 2006

TICKET No. 9612

CUSTOMER *American Warral* WELL *Valkovien 131* DATE *1-23-06* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT PRICE		AMOUNT	
		LOC	ACCT	DE			QTY	UM	QTY	UM	QTY	UM
325		1				Standard Cement	150	sk	9	00	1350	00
284		1				Calscal	7	sk	30	00	210	00
283		1				Salt	700	#	20		140	00
285		1				CFR2	70	#	4	00	280	00
276		1				Flocele	38	#	1	10	41	80
581		1				SERVICE CHARGE						
583		1				TOTAL WEIGHT						
						LOADED MILES						
						CUBIC FEET	150	sk	1	10	165	00
						TON MILES	546.28		1	00	546	28

MISSOURI  
 CONSERVATION DIVISION  
 MAR 07 2006  
 MISSOURI COMMISSION

CONTINUATION TOTAL 2733 08

**JOB LOG**

**SWIFT Services, Inc.**

DATE 1-23-06 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 1-31 LEASE Van Leones JOB TYPE Long String TICKET NO. 9612

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1930							On loc. Rig laying down D.P.
	2255							Start 5 1/2" 15.5" Csg.
								Insect Float Shoe
								Latch down Baffle
								Cen. #1, #4, #5, #6, #7, #8, #10, #47
								Baskets #4, #11, #48
								Port Collar #48 @ 1729'
	2430							Drop Ball
	2435							Circulate Casing 1' off Bottom 3739'
	0255							Plug Rat hole
			12					Pump 500gal Mud-Flush
			20					20" 2% KCL Flush
	0308	6						MIX 150cks EA-2 Cement
			36					Finished Mixing
								wash out pump & line
	0315	7						Displ. Latch down Plug
	0330		88.6					1500 Plug Down 1500psi holding
								Release press. Float hold
								wash and rack up tool
	0400							Jobs Complete

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 WICHITA, KS

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*Frank [Signature]*  
 Roger, Nick, Josh, Steve



CHARGE TO: Americas Warrior Inc.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

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TICKET No 9636

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Hays, Ks  
 2. Ness City, Ks  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

WELL/PROJECT NO. #1 LEASE Von Loeman COUNTY/PARISH Graham Ks STATE Ks CITY KCC DATE 1-30-06 OWNER Same

TICKET TYPE  SERVICE  SALES CONTRACTOR KC Well Service RIG NAME/NO. \_\_\_\_\_ SHIPPED VIA ELT DELIVERED TO Locations ORDER NO. \_\_\_\_\_

WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Cement Part Collar 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 103	70	mi	4	00	280 00
578		1			Pump Charge Part Collar	1	ea	1250	00	1250 00
330		2			SMD Cement	135	skts	11	50	1532 50
276		2			Flocalc	47	"	1	10	51 70
581		2			Cement Service Charge	190	skts	1	10	209 00
583		2			Drayage	651.75	TXM	1	00	651 75

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 MISSOURI DEPARTMENT OF REVENUE

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

X Joe Smith  
 DATE SIGNED 1-30-06 TIME SIGNED 1100  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?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	3994 95
Graham TAX 5.55%	89 03
TOTAL	4083 98

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Nick Korbe APPROVAL \_\_\_\_\_

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 1-30-06 PAGE NO. 1

CUSTOMER American Warrior Inc WELL NO. #1 LEASE Veebaemas JOB TYPE Cement Port Collar TICKET NO. 9636

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0930							on loc setup Trks
								2 3/8" Tbg x 5 1/2" csg P.C. @ 1729'
	0935							Locat P.C.
	0948	.5	.5			1000		Test csg Open P.C.
	0955	2	4			150		injection rate
	0958	3	0			200		start cement 135 sks
	1020	3	25			300		End cement
	1020	3	0					start Displacement
	1022		6					cement Displaced
						900		Close P.C. <del>Test Csg</del> Run 3 sts
	1033	3	0			250		reverse out
	1038		15					hole Clean

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WICHITA, KS

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Thank you  
Nick, Josh + Brett

# ALLIED CEMENTING CO., INC.

22265

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

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SERVICE POINT: OAKHURTS

MAR 07 2006

DATE <u>1-17-06</u>	SEC. <u>31</u>	TWP. <u>7</u>	RANGE <u>21</u>	CALLED OUT <u>1:30 AM</u>	ON LOCATION <u>4:00 AM</u>	JOB START <u>4:45 AM</u>	JOB FINISH <u>5:15 AM</u>
LEASE <u>UAW Leaven</u>	WELL # <u>#1</u>	LOCATION <u>Hell City 8E-11/2N</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>6 in</u>					

CONTRACTOR M+B #1

TYPE OF JOB Surface

HOLE SIZE 12" 1/4 T.D. 217'

CASING SIZE 8 5/8 23' DEPTH 222'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 12.8 BBLs

OWNER Same

CEMENT AMOUNT ORDERED 160 com

390 cc 290 cc

COMMON	<u>160</u>	@ <u>10<sup>00</sup></u>	<u>1600<sup>00</sup></u>
POZMIX		@	
GEL	<u>3</u>	@ <u>14<sup>00</sup></u>	<u>42<sup>00</sup></u>
CHLORIDE	<u>6</u>	@ <u>38<sup>00</sup></u>	<u>228<sup>00</sup></u>
ASC		@	

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WICHITA, KS

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

# 373-281 HELPER Andrew

BULK TRUCK

# 377 DRIVER JR

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING	<u>169</u>	@ <u>160</u>	<u>27040</u>
MILEAGE	<u>1064 sky mile</u>	@ <u>912<sup>60</sup></u>	<u>912<sup>60</sup></u>
TOTAL			<u>3053<sup>00</sup></u>

REMARKS:

Cement did circulate

Plug down @ 5:00 am

Thanks

Fuzzy & crew

SERVICE

DEPTH OF JOB	<u>222'</u>		
PUMP TRUCK CHARGE	<u>670'</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>90</u>	@ <u>5<sup>00</sup></u>	<u>450<sup>00</sup></u>
MANIFOLD		@	
		@	

TOTAL 1120<sup>00</sup>

CHARGE TO: American Warrior

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>1.875 plug</u>	@	<u>55<sup>00</sup></u>
	@	
	@	
	@	
	@	
TOTAL		<u>55<sup>00</sup></u>

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Larry H. [Signature]

PRINTED NAME



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**MAR 07 2006**

**CONSERVATION DIVISION**  
**WICHITA, KS**

**Steven P. Murphy, PG**  
**American Warrior, Inc.**  
**P.O. Box 399**  
**Garden City, KS 67846**

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**MAR 07 2006**

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**GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

**Van Loenen #1-31**  
**1490' FSL – 2240 FWL**  
**Section 31-T7S-R21W**  
**Graham County, Kansas**

OPERATOR: AMERICAN WARRIOR, INC.

WELL: VAN LOENEN #1-31

API NUMBER: 15-065-23121-00-00

LOCATION: 1490' FSL & 2240' FWL  
31-T7S-R21W  
GRAHAM COUNTY, KS

WELLSITE: PASTURE

COMMENCED: JANUARY 16, 2006

COMPLETED: JANUARY 24, 2006

ELEVATIONS: 2140 G.L. 2145 K.B.

TOTAL DEPTH: 37400' (DRILLER) 3742' (LOG)

CASING: SURFACE: 8 5/8" @ 217' w/160 SACKS  
PRODUCTION: 5 1/2" 15.5# @ 3739'  
w/150 SX EA-2

SAMPLES: 10' FROM 3100' TO T.D.

DRILL STEM TESTS: ONE (1) BY TRILOBITE TESTING, INC.

LOGS COMPENSATED NEUTRON DENSITY,  
SONIC, MICROLOG & DUAL  
INDUCTION BY LOG-TECH

DRILLING CONTRACTOR: BERENTZ RIG #6

REMARKS: GEOLOGICAL SUPERVISION FROM  
3150' TO T.D.

<b>FORMATION TOPS</b>	<b>LOG</b>	<b>SAMPLE</b>
Anhydrite	1749 (+396)	NA
B. Anhydrite	1571 (+458)	NA
Topeka	3114 (-969)	3115 (-970)
Heebner	3324 (-1179)	3322 (-1177)
Toronto	3347 (-1202)	NC
Lansing	3360 (-1215)	3359 (-1214)
BKC	3557 (-1412)	3355 (-1410)
Arbuckle	3362 (-1517)	3361 (-1516)

## SAMPLE DESCRIPTIONS/SHOWS

### Log Measurements

#### TOPEKA

**3235-3250:** Limestone, cream-tan, fine crystalline, oolitic, chalky, poor-fair vugular porosity, no show of free oil, slight staining (**Perforate 3237-3241 before abandonment**)

**3276-3285:** Limestone, cream, fine crystalline, oolitic, poor-fair intercrystalline porosity, fair show of free (heavy, black) oil, slight odor (**Perforate 3276-3278 before abandonment**).

**3294-3324:** Limestone, cream-tan, fine crystalline, oolitic, fossiliferous, fair intercrystalline porosity, slight show of free (heavy, black) oil, slight odor (**Perforate 3298-3301 before abandonment**).

#### LANSING-KANSAS CITY

**3395-3406 ("C" Zone):** Limestone, white-cream, fine crystalline, fair to good intercrystalline & vugular porosity, fair show of free oil/stain, strong odor (Covered in DST #1). **Perforate 3396-3401 before abandonment**).

**3412-3422 ("D" Zone):** Limestone, cream-tan, fine crystalline, oolitic, good intercrystalline & vugular porosity, good show of free oil/stain, strong odor (Covered in DST #1). **Perforate 3412-3414 before abandonment**).

**DST #1:** 3380-3425 (30-30-30-60).

Recovered: 217' Gas in pipe, 124' frothy oil, 186' oil cut watery mud (18% gas, 20% oil, 25% water, 37% mud), 124' slightly oil cut muddy water (5% oil, 85% water, 10% mud).

IHP: 1673

IFP: 30-140

ISIP: 768

FFP: 147-225

FSIP: 751

FHP: 1624

BHT: 107° F

Oil Gravity – 30° API Corrected

Chlorides (water) – 43,600 ppm

Chlorides (system) – 2,500 ppm

**3437-3442 ("F" Zone):** Limestone, white-cream, fine crystalline, fossiliferous, good intercrystalline & vugular porosity, good show of free oil, saturated stain, strong odor (This zone calculates wet on the log, not worthy of further testing).

**3488-3504 ("H" Zone:** Limestone, white, fine crystalline, poor intercrystalline porosity, mostly dense, very slight show of free oil, light stain, slight odor (This zone calculates tight on the log, not worthy of further testing).

**3488-3504 ("I" Zone:** Limestone, white-cream, fine crystalline, scattered fair intercrystalline & vugular porosity, mostly dense, very slight show of free oil, light stain, slight odor (This zone calculates tight on the log, not worthy of further testing).

**3520-3531 ("J" Zone:** Limestone, white to cream, fine crystalline, fair vugular porosity, fair show of free oil, light stain, slight odor. **Perforate 3521-3526.**

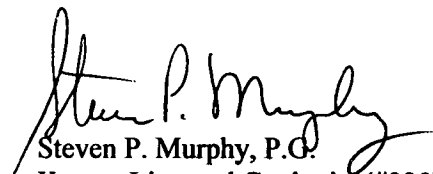
### **ARBUCKLE**

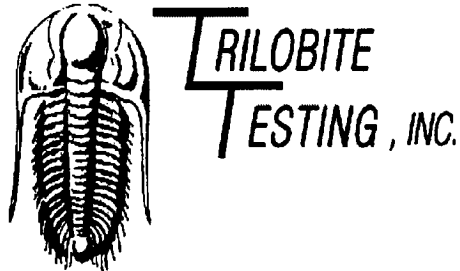
**3662-3700:** Dolomite, light brown, and medium crystalline (rhombic), good intercrystalline porosity, good show of free oil, strong odor (**Perforate 3662-3669**). **NOTE: Oil/water contact appears to be approximately 3688.**

### **SUMMARY AND RECOMMENDATIONS**

Structurally, compared to the Ritchie Exporation #1 Van Loenen 31-B, this well ran 2' high in the Topeka & Heebner, and flat at the top of the Lansing, and Arbuckle. Based on the positive structural position, results of DST #1, and log/sample analysis, 5 ½ inch casing was run to further test the Arbuckle and zones in the Lansing-Kansas City and Topeka.

Respectfully submitted,

  
Steven P. Murphy, P.G.  
Kansas Licensed Geologist (#228)



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City, Ks. 67846

ATTN: Steve Murphy

**31-7s-21w-Graham**

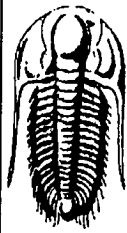
**Van Loeman #1-31**

Start Date: 2006.01.21 @ 15:08:53

End Date: 2006.01.21 @ 23:40:08

Job Ticket #: 24638      DST #: 1

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc  
PO Box 399  
Garden City, Ks. 67846  
ATTN: Steve Murphy

**Van Loeman #1-31**  
**31-7s-21w-Graham**  
Job Ticket: 24638      DST#: 1  
Test Start: 2006.01.21 @ 15:08:53

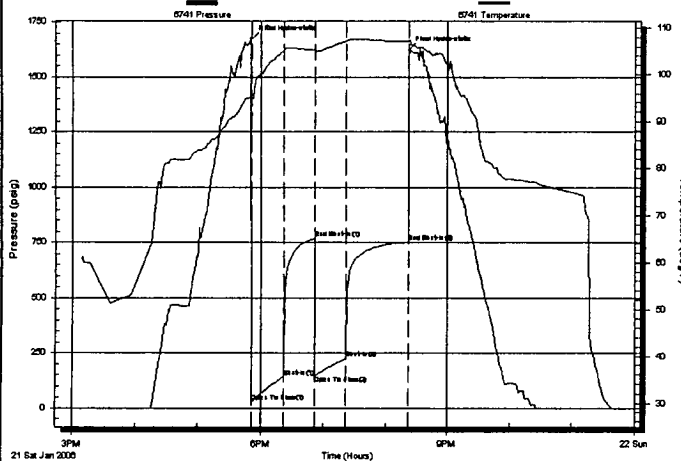
## GENERAL INFORMATION:

Formation: **LKC-"C-D"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:51:23  
Time Test Ended: 23:40:08  
Interval: **3380.00 ft (KB) To 3425.00 ft (KB) (TVD)**  
Total Depth: **3425.00 ft (KB) (TVD)**  
Hole Diameter: 7.80 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jason McLemore  
Unit No: 32  
Reference Elevations: 2145.00 ft (KB)  
2140.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6741**      Inside  
Press@RunDepth: 224.59 psig @ 3383.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2006.01.21      End Date: 2006.01.21      Last Calib.: 2006.01.21  
Start Time: 15:08:55      End Time: 23:40:08      Time On Btm: 2006.01.21 @ 17:50:53  
Time Off Btm: 2006.01.21 @ 20:22:08

**TEST COMMENT:** IFP-Strong Blow, BOB in 4-1/2 Min.  
ISI-Blow back Built to 3/8"  
FFP-Good Blow, BOB in 8 Min.  
FSI-Blow back Built to 4"

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.45	95.16	Initial Hydro-static
1	29.79	94.87	Open To Flow (1)
31	140.48	105.15	Shut-In(1)
61	767.57	105.28	End Shut-In(1)
61	146.52	105.12	Open To Flow (2)
91	224.59	107.14	Shut-In(2)
151	751.47	107.10	End Shut-In(2)
152	1623.97	107.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	Free Oil	1.74
186.00	OCVM-18%G-20%O-25%W-37%M	2.61
124.00	VSOCMM-5%O-85%W-10%M	1.74

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc  
PO Box 399  
Garden City, Ks. 67846  
ATTN: Steve Murphy

**Van Loeman #1-31**  
**31-7s-21w-Graham**  
Job Ticket: 24638      DST#: 1  
Test Start: 2006.01.21 @ 15:08:53

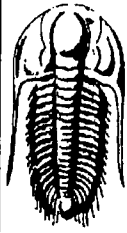
### Tool Information

Drill Pipe:	Length: 3371.00 ft	Diameter: 3.80 inches	Volume: 47.29 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3380.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3353.00	
Shut In Tool	5.00			3358.00	
Hydraulic tool	5.00			3363.00	
Jars	5.00			3368.00	
Safety Joint	2.00			3370.00	
Packer	5.00			3375.00	28.00      Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Perforations	1.00			3382.00	
Change Over Sub	1.00			3383.00	
Recorder	0.00	6741	Inside	3383.00	
Blank Spacing	30.00			3413.00	
Change Over Sub	1.00			3414.00	
Perforations	8.00			3422.00	
Recorder	0.00	13221	Outside	3422.00	
Bullnose	3.00			3425.00	45.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>73.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc  
PO Box 399  
Garden City, Ks. 67846  
ATTN: Steve Murphy

**Van Loeman #1-31**  
**31-7s-21w-Graham**  
Job Ticket: 24638      DST#: 1  
Test Start: 2006.01.21 @ 15:08:53

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 43000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.80 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: 2.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Free Oil	1.739
186.00	OCVM-18%G-20%O-25%W-37%M	2.609
124.00	VSOCMV-5%O-85%W-10%M	1.739

Total Length: 434.00 ft      Total Volume: 6.087 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

