



Operator Name: American Warrior, Inc. Lease Name: Schartz Well #: 1-23  
 Sec. 23 Twp. 20 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 <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:  Borehole Compensated Sonic Log, Dual Compensated Porosity Log, Microresistivity Log, Dual Induction Log, Sonic Cement Bond Log	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>710</td> <td>+1167</td> </tr> <tr> <td>B. Anhydrite</td> <td>732</td> <td>+1145</td> </tr> <tr> <td>Topeka</td> <td>2757</td> <td>-880</td> </tr> <tr> <td>Heebner</td> <td>3105</td> <td>-1228</td> </tr> <tr> <td>Brown Lime (Iatan)</td> <td>3223</td> <td>-1346</td> </tr> <tr> <td>Lansing</td> <td>3236</td> <td>-1359</td> </tr> <tr> <td>BKC</td> <td>3472</td> <td>-1595</td> </tr> <tr> <td>Arbuckle</td> <td>3510</td> <td>-1633</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	710	+1167	B. Anhydrite	732	+1145	Topeka	2757	-880	Heebner	3105	-1228	Brown Lime (Iatan)	3223	-1346	Lansing	3236	-1359	BKC	3472	-1595	Arbuckle	3510	-1633
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Arbuckle	3510	-1633																													

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 #	311'	Common	300 sx	3% cc 2% gel
Production Pipe	7-7/8"	5-1/2"	1505#	3599'	Standard	150 sx	1/4# Flocele

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

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	3366' to 3406'	Acid NE 15% 3000 Gal	Same
<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"	3460'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
SI	<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		

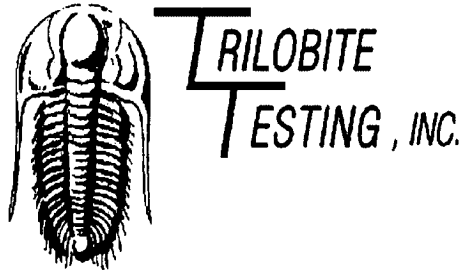
Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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**DRILL STEM TEST REPORT**

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846-0399

ATTN: Steve Murphy

**23-20s-13w Barton KS**

**Shartz #1-23**

Start Date: 2006.01.25 @ 01:34:07

End Date: 2006.01.25 @ 09:22:52

Job Ticket #: 24329                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

American Warrior

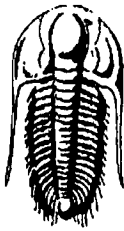
Shartz #1-23

23-20s-13w Barton KS

DST # 1

Kansas City "H&I"

2006.01.25



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846-0399  
ATTN: Steve Murphy

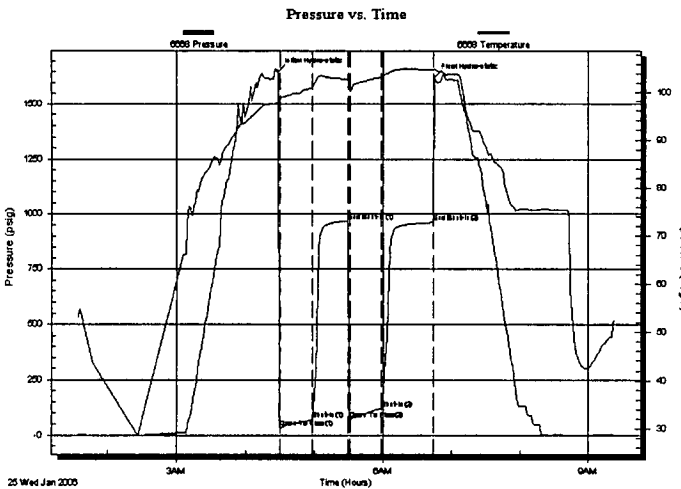
**Shartz #1-23**  
**23-20s-13w Barton KS**  
Job Ticket: 24329      **DST#: 1**  
Test Start: 2006.01.25 @ 01:34:07

### GENERAL INFORMATION:

Formation: **Kansas City "H&I"**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 04:29:52  
Time Test Ended: 09:22:52  
Interval: **3350.00 ft (KB) To 3400.00 ft (KB) (TVD)**  
Total Depth: **3400.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jake Fahrenbruch**  
Unit No: **30**  
Reference Elevations: **1877.00 ft (KB)**  
**1869.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 6668**      **Inside**  
Press@RunDepth: **121.00 psig @ 3351.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2006.01.25**      End Date: **2006.01.25**      Last Calib.: **2006.01.25**  
Start Time: **01:34:08**      End Time: **09:22:52**      Time On Btm: **2006.01.25 @ 04:28:07**  
Time Off Btm: **2006.01.25 @ 06:44:52**

**TEST COMMENT:** IF: Strong blow building to BOB in 38 seconds. GTS 25 minutes.  
IS: Bled off, blow back building to 2".  
FF: Strong blow BOB 10 seconds.  
FS: Bled off, blow back building to 3".



### PRESSURE SUMMARY

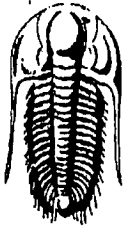
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1652.98	97.59	Initial Hydro-static
2	31.67	98.82	Open To Flow (1)
31	72.12	101.06	Shut-In(1)
62	969.09	102.81	End Shut-In(1)
63	71.99	100.14	Open To Flow (2)
91	121.00	103.25	Shut-In(2)
136	961.47	104.84	End Shut-In(2)
137	1627.12	105.02	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
94.00	Free Oil 100%o	1.32
63.00	SLWCMCO 2%w 20%r78%o	0.88
63.00	SLWCMCO 2%w 25%r73%o	0.88
63.00	HGCOM 45%g25%o30%m	0.88
0.00	Gravity= 42.5 @ 60 deg F.	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	8.50	8.57
Max. Gas Rate	0.13	8.50	8.57



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Warrior  
 PO Box 399  
 Garden City KS 67846-0399  
 ATTN: Steve Murphy

**Shartz #1-23**  
**23-20s-13w Barton KS**  
 Job Ticket: 24329      **DST#: 1**  
 Test Start: 2006.01.25 @ 01:34:07

**Tool Information**

Drill Pipe:	Length: 3349.00 ft	Diameter: 3.80 inches	Volume: 46.98 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume: 46.98 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3350.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
GTS 25 min into IFP				

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3328.00	
Hydraulic tool	5.00			3333.00	
Jars	5.00			3338.00	
Safety Joint	2.00			3340.00	
Packer	5.00			3345.00	27.00      Bottom Of Top Packer
Packer	5.00			3350.00	
Stubb	1.00			3351.00	
Recorder	0.00	6668	Inside	3351.00	
Perforations	14.00			3365.00	
Blank Spacing	32.00			3397.00	
Recorder	0.00	13266	Outside	3397.00	
Bullnose	3.00			3400.00	50.00      Bottom Packers & Anchor

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Shartz #1-23

PO Box 399  
Garden City KS 67846-0399

23-20s-13w Barton KS

Job Ticket: 24329

DST#: 1

ATTN: Steve Murphy

Test Start: 2006.01.25 @ 01:34:07

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 44.00 sec/qt  
Water Loss: 8.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5500.00 ppm  
Filter Cake: 0.04 inches

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

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

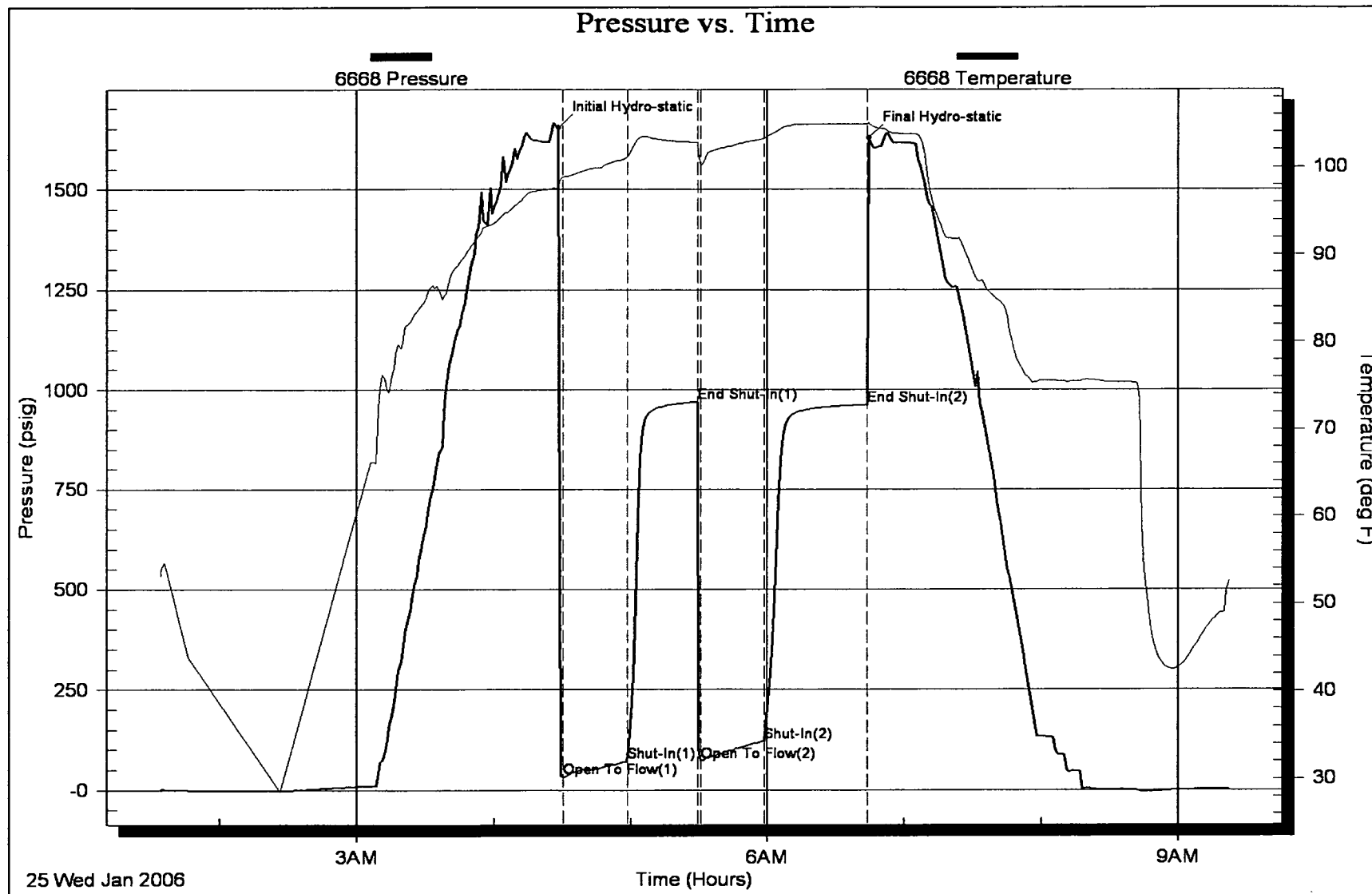
Length ft	Description	Volume bbl
94.00	Free Oil 100%o	1.319
63.00	SLWCMCO 2%w 20% <i>m</i> 78%o	0.884
63.00	SLWCMCO 2%w 25% <i>m</i> 73%o	0.884
63.00	HGCOM 45% <i>g</i> 25% <i>o</i> 30% <i>m</i>	0.884
0.00	Gravity= 42.5 @ 60 deg F.	0.000

Total Length: 283.00 ft      Total Volume: 3.971 bbl

Num Fluid Samples: 1      Num Gas Bombs: 0      Serial #:

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments:



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MAR 07 2009

KCC

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

## **GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

**Schartz #1-23**  
**1910 FSL – 1940 FWL**  
**Section 23-T20S-R12W**  
**Barton County, Kansas**



OPERATOR: AMERICAN WARRIOR, INC.

WELL: SCHARTZ #1-23

API NUMBER: 15-009-24896-00-00

LOCATION: 1910 FSL - 1940 FWL  
23-T20S-R12W  
BARTON COUNTY, KS

WELLSITE: IRRIGATED STUBBLE

COMMENCED: JANUARY 19 , 2005

COMPLETED: JANUARY 26, 2005

ELEVATIONS: 1869' G.L. 1877' K.B.

TOTAL DEPTH: 3600' (DRILLER) 3600' (LOG)

CASING: SURFACE: 8 5/8" @ 311'  
PRODUCTION: 5 1/2" @ 3598'

SAMPLES: 10' FROM 2800' 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: DUKE RIG #8

REMARKS: GEOLOGICAL SUPERVISION FROM  
3000' TO T.D.

<b>FORMATION TOPS</b>	<b>LOG</b>	<b>Nearest Comparison Well F&amp;M Scharz "D" #1 C NE SE SW, 23-T20S-R13W</b>
Anhydrite	710 (+1167)	7' low
B. Anhydrite	732 (+1145)	Not called
Topeka	2757 (-880)	Not called
Heebner	3105 (-1228)	2' low
Brown Lime(latan)	3223 (-1346)	2' low
Lansing	3236 (-1359)	flat
BKC	3472 (-1595)	flat
Arbuckle	3510 (-1633)	4' low

## SAMPLE DESCRIPTIONS/SHOWS (Log Measurements)

### LANSING-KANSAS CITY

**3260-3273: (B Zone)** Limestone; cream-tan, fine crystalline, oolitic/oolicastic, poor-fair vugular porosity, very slight show of free oil, trace of stain, fair odor. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

**3276-3279: (C Zone)** Limestone; cream, fine crystalline, mostly dense, good vugular porosity, slight show of free oil, trace of stain, fair odor. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

**3281-3295: (D Zone)** Limestone; cream, fine crystalline, mostly dense, trace of intercrystalline porosity, no show of free oil, trace of edge stain. (20 units hotwire). Log shows this zone to be tight, not worthy of further testing.

**3298-3301: (E Zone):** Limestone; white-tan, fine crystalline, oolitic, mostly tight, small amount with fair intercrystalline porosity, very slight show of free oil/ stain, fair odor. Log shows this zone to be tight, not worthy of further testing.

**3284-3303: (F Zone)** Limestone; cream-brown, fine crystalline, oolitic, scattered fair vugular porosity, fair-good show of free oil/stain, fair odor. Log shows this zone to be tight, not worthy of further testing.

**3308-3355: (G Zone)** Limestone; tan, fine crystalline, oolicastic, good vugular porosity, slight show of free oil/stain, strong odor. (38 units hotwire). Perforate 3320-3326 before abandonment.

**DST #1:** 3350-3400 (30-30-30-45)

IF: Strong blow, BOB in 38 seconds, GTS in 25 minutes.

ISI: Bled off, blow back building to 2 inches.

FF: Strong blow, BOB in 10 seconds.

FSI: Bled off, blow back building to 3 inches.

**Gas Rates Table**

Flow Period	Elapsed Time	Choke	Gas Rate (Mcf/d)
1	30	0.13	7.26
1	30	0.13	7.26
2	10	0.13	7.82
2	20	0.13	8.2
2	30	0.13	8.57

Recovered: 94 feet of clean gassy oil (42.5 gravity).

63 feet of slightly water & mud cut oil (78% oil, 2% water, 20% mud)

63 feet of slightly water & mud cut oil (73% oil, 2% water, 25% mud)

63 feet gas cut oily mud (45% gas, 25% oil, 30% mud)

Total fluid recovery – 3.96 bbls

IHP: 1653  
IFP: 32-72  
ISIP: 969  
FFP: 72-121  
FSIP: 961  
FHP: 1627  
BHT: Not recorded

**33665-3380: (H Zone) Limestone; white-cream, oolitic, fair-good vugular porosity, slight show of free oil, /stain, gas bubbles on break, good odor. (120 units hotwire). This zone appears to be a gas and oil zone. Perforate 3366-3372. (Covered in DST #1).**

**3388-3420: (I Zone) Limestone; white-cream, oolitic/oolitic, fair-good intercrystalline & vugular porosity, slight to fair show of free oil/stain, good-strong odor. (30 units hotwire). Perforate 3400-3406. (Partially covered in DST #1).**

**3424-3442: (J Zone) Limestone; tan, oolitic, fair vugular porosity, fair show of free oil, saturated stain, fair odor. (200 units hotwire). Perforate 3423-3428.**

**3452-3461: (K Zone) Limestone; cream-tan, oolitic, mostly dense, trace of fair vugular porosity, slight show of free oil/stain, fair odor. (Gas detector down). Perforate 3452-3456.**

**3468-3472: (L Zone) Limestone; cream, fine crystalline, poor- fair vugular porosity, slight show of free oil/stain, fair odor. (Gas detector down). Perforate 3468-3472 before abandonment.**

### **ARBUCKLE**

**3510-3530: Dolomite, tan-light brown, medium-coarse crystalline to sucrosic with depth, good intercrystalline & pinpoint porosity, fair-good show of free oil, strong odor (Gas detector down). Perforate 3512-3518.**

**3530-3560: Dolomite, light brown, sucrosic, good pinpoint porosity, good show of free oil, saturated stain, strong odor. Perforate 3545-3550.**

## SUMMARY AND RECOMMENDATIONS

Based on the results of DST #1 and sample & log analysis, it was recommended that casing be set for production. Sample and log analysis indicated that the Lansing-Kansas City H, I, & J Zones, as well as the Arbuckle, should be productive. The Arbuckle should initially be perforated from 3545-3550. If water production is too high, perforate from 3512-3518.

Respectfully submitted,

Steven P. Murphy, P.G.  
(Kansas License #228)



CHARGE TO: American WARRIOR INC  
 ADDRESS: P.O. Box 399  
 CITY, STATE, ZIP CODE: Garden City KS 67846

TICKET No 9633

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Hays Ks. 2. Ness City, Ks.  
 WELL/PROJECT NO.: # 1-23 LEASE: SCHARTZ COUNTY/PARISH: BARTON STATE: KS CITY: Great Bend DATE: 7-26-06 OWNER: Sumc  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: Duke #8 RIG NAME/NO.: Location SHIPPED VIA: CH DELIVERED TO: Location ORDER NO.:  
 WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: cement longstring WELL PERMIT NO.: WELL LOCATION:  
 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		mi		4.00	280	00
578		1			Pump Charge long string	1	eq		3597	1250.00	1250	00
281		1			Mud Flush	500	gal			75	375	00
221		1			KCL Liquid	2	gal			25.00	50	00
407		1			Insert float shoe	1	eq		5.2	250.00	250	00
417		1			L.D. Plug + Baffle	1	eq			200.00	200	00
402		1			Centralizers	8	eq			60.00	480	00
403		1			Baskets	2	eq			225.00	450	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 [Signature]  
 DATE SIGNED: 7-26-06 TIME SIGNED: 1730  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 1	3335 00
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	2743 70
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	6078 70
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Barton TAX 6.55%	251 24
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	6329 94
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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: [Signature] Thank You!



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

TICKET CONTINUATION

TICKET No. 9633

CUSTOMER American Warrior Inc WELL Scharz #1-23 DATE 1-26-06 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT PRICE	AMOUNT
		LOC	ASST	DF			QTY	UOM		
325		2				Standard Cement	150	SKS	9.00	1350.00
284		2				Galseal	70	SKS	30.00	210.00
283		2				Salt	750	#	20	150.00
285		2				CFR-7	70	#	4.00	280.00
276		2				Flocele	37	#	1.10	40.70
581		2				SERVICE CHARGE	150	SKS	1.10	165.00
583		2				CHARGE	156.57	TOTAL WEIGHT	70	LOADED MILES
							5.48	TON MILES		548.00

CONTINUATION TOTAL 2743.70





