



KANSAS CORPORATION COMMISSION 1082069  
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     SLOW
- 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>02/27/2012</u>	<u>03/03/2012</u>	<u>04/30/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25345-00-00

Spot Description: \_\_\_\_\_  
SE SW SE NE Sec. 33 Twp. 19 S. R. 21  East  West  
2369 Feet from  North /  South Line of Section  
781 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ness

Lease Name: Schwartz-Jordan Well #: 3

Field Name: Corsair

Producing Formation: Mississippian

Elevation: Ground: 2284 Kelly Bushing: 2290

Total Depth: 4430 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 223 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1494 Feet

If Alternate II completion, cement circulated from: 1494

feet depth to: 0 w/ 120 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 160 bbls

Dewatering method used: Evaporated

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: Deanna Garriso Date: 05/22/2012



1082069

Operator Name: American Warrior, Inc. Lease Name: Schwartz-Jordan Well #: 3  
 Sec. 33 Twp. 19 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 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 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	223	Common	150	3% CC/ 2% gel
Production	7.875	5.5	15.5	4429	EA-2	175	1/4# 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	0-1494	SMD	120	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	4418.5-4428.5		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4407</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/30/2012</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>20</u>	Gas Mcf <u>75</u>	Water Bbls. 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>4418.5-4428.5</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Schwartz-Jordan 3
Doc ID	1082069

Tops

NAME	DEPTH	DEPTH
Anhydrite	1509	781
Heebner	3795	-1505
Lansing	3842	-1552
Base Kansas City	4167	-1877
Pawnee	4288	-1998
Ft.Scott	4334	-2044
Cherokee	4350	-2060
Mississippian	4413	-2123
TD	4430	-2140

# ALLIED CEMENTING CO., LLC. 042412

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

SERVICE POINT  
*Great Bend, KS*

DATE <i>2-27-12</i>	SEC <i>33</i>	TWP <i>19</i>	RANGE <i>24</i>	SECTION OUT	ON LOCATION	JOB START <i>11:30 AM</i>	JOB FINISH <i>1:00 PM</i>
LEASE <i>Sehara #2</i>	WELL # <i>3</i>	LOCATION <i>7 miles south side</i>	COUNTY <i>Neosho</i>		STATE <i>KS</i>		
OLD OR NEW (Circle one)							

CONTRACTOR <i>Petrounch Rig #1</i>	OWNER <i>American Warlock</i>
TYPE OF JOB <i>Surface</i>	
HOLE SIZE <i>12 1/4</i>	I.D. <i>2 1/2</i>
CASING SIZE <i>8 1/2</i>	DEPTH <i>27'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PREL. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG <i>15 1/2</i>	COMMON
PERFS	GEL
DISPLACEMENT <i>17 1/2</i>	CHLORIDE
	ASC

EQUIPMENT	
PLUM. TRUCK # <i>390</i>	CEMENTER <i>Great</i>
	HELPER <i>Dustin C</i>
BULK TRUCK # <i>402/108</i>	DRIVER <i>Ron W</i>
BULK TRUCK #	DRIVER
	HANDLING
	MILEAGE

REMARKS: *Pipe run down break circulation with rig and hook up to cement pump and mix 150 lbs. Class A 3% cc 290 gal. Pipe run with cement and circulate through rig down.*

CHARGE TO *American Warlock*

STREET \_\_\_\_\_

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

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

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

PRINTED NAME *John Smith*

SIGNATURE *[Signature]*

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



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 2-27-12 District Great Bend Ticket No. 47412  
 Company Deere & Co Rig Deere #1  
 Lease Schwartz - Jamba Well No. 3  
 County Deer State K3  
 Location Deer, KS 39901 Field \_\_\_\_\_  
1/2 South West side

CEMENT DATA:  
 Spacer Type: Freshwater  
 Amt. 5 Bbls Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skts Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_  
 TAIL: Pump Time Thicken time hrs. Type 0  
3% cc 2% gel Excess \_\_\_\_\_

Amt. 150 Skts Yield 1.34 ft<sup>3</sup>/sk Density \_\_\_\_\_  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_

Pump Trucks Used 598

Bulk Equip. 442-188

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Line   
 Size 8 5/8 Type New Weight 24.5 Collar 8rb

Casing Depths: Top KD Bottom 222

Drill Pipe: Size 4 1/2 Weight 16.6 Collars shole

Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. .1438 Lin. ft./Bbl. 6.95  
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.60

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. \_\_\_\_\_ Bbls. Weight 8.7 PPG  
 Mud Type Native Weight 9.1 PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Greg L.

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location - Rig up
						hold safety meeting
						Run 8 5/8 casing
						Circulate casing w/ Rig mud
						Hook up to cement pump.
				5		Run 5 Bbl freshwater ahead
			40.50	3.70		Mix 150 yds cement
			59.98	17.18		Displace with 13.18 Bbl freshwater
						shut in
						Rig down



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

TICKET  
 N° **21988**

PAGE **1** OF **2**

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>#3</b>	LEASE <b>Schwartz-Jordan</b>	COUNTY/PARISH <b>NESS</b>	STATE <b>Ks</b>	CITY	DATE <b>3-4-12</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>PETROMARK Nels. #1</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>LOCATOR</b>	ORDER NO.	
3.	WELL TYPE <b>Oil</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>5 1/2" LONGSTRING</b>	WELL PERMIT NO.	WELL LOCATION <b>SE/RAZUE, KS</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
575		1			MILEAGE #110	20	ME		6.00	120.00
578		1			PUMP CHANGE	1	JOB	4430	1500.00	1500.00
221		1			LIQUID KCL	2	KAL		25.00	50.00
281		1			MUDFLUSH	500	KAL		1.25	625.00
402		1			CENTRALIZERS	5	EA	5 1/2"	70.00	350.00
403		1			CEMENT BASKETS	2	EA		250.00	500.00
404		1			PORT COLLAR TOP JT #70	1	EA	1494	2400.00	2400.00
406		1			LATCH DOWN PLUG - RAFFLE	1	EA		250.00	250.00
407		1			INSERT FLUIT SHOE w/ AUTO FALL	1	EA		350.00	350.00
419		1			ROTATING HEAD RENTAL	1	JOB		200.00	200.00

**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 **3-4-12** TIME SIGNED **2400** 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 #1	6345.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				#2	4561.25
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Subtotal	10,906.25
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		Tax	547.23
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	11,453.48

SWIFT OPERATOR **Wayne Watson** APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 21988

CUSTOMER AMERICAN WARRIOR TAC WELLSchwartz JORDAN #3 DATE 3-4-12 PAGE 2 OF 2

325	1		STANDARD CEMENT EA-2	175 SLS		13.50	2362.50
276	1		FLOCEK	50 LBS		2.00	100.00
283	1		SALT	900 LBS		.20	180.00
284	1		CALCAL	8 SLS 800 LBS		35.00	280.00
292	1		HAWK-322	125 LBS		7.75	968.75
290	1		D-ADR	2 GAL		35.00	70.00
581	1		SERVICE CHARGE		CUBIC FEET 175	2.00	350.00
582	1		TOTAL WEIGHT 18325	LOADED MILES 20	TON MILES 183.25	250.00	250.00

4561.25

JOB LOG

SWIFT Services, Inc.

DATE 3-4-12 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR TX WELL NO. #3 LEASE SCHWARTZ - JORDAN JOB TYPE 5 1/2" LONGSTRING TICKET NO. 21988

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2400							ON LOCATION
	0130							START 5 1/2" CASING IN WELL
								TD - 4130 SET - 4429
								TP - 4432 5 1/2" 15.5
								ST - 42
								CENTRALIZAS - 1, 2, 3, 4, 69
								CMT BSKS - 5, 70
								POST COLLAR - 1494 TOP JT # 70
	0350							DROP BALL - CALIBRATE ROUTE
	0435	6 1/2	12		✓		450	PUMP 500 GAL MUD FLUSH "
	0437	6 1/2	20		✓		450	PUMP 20 BLS KCL FLUSH "
	0442		7					PLUG RH (30 SKS)
	0445	4	35		✓		250	MAX COMPS - 145 SKS EA-2 CMT "
	0455							WASH OUT PUMP - LINES
	0455							RELEASE L.D. PLUG
	0500	7	0		✓			DISPLACE PLUG "
		6 1/2	103		✓		900	"
	0515	6 1/2	104.5				1500	PLUG DOWN - PSE UP CATCH IN PLUG
	0517						OK	RELEASE PSE - HEAD
								WASH TANK
	0600							JOB COMPLETE
								THANK YOU
								WAYNE, JEFF, BRIAN





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

TICKET  
 N° **22072**

PAGE **1** OF

SERVICE LOCATIONS: **1. NESS CITY, KS.**  
 WELL/PROJECT NO.: **#3** LEASE: **SCHWARTZ-JORDAN** COUNTY/STATE: **NESS KS.** CITY: **RAZING, KS** DATE: **15 MAR 12** OWNER:  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **HD OILFIELD SERV.** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:  
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **3E 6 1/2 S W INTO**  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	25		MIL		6.00	150.00
576					Ramp CHARGE	1		NDR		1250.00	1250.00
105					PORT COLLAR OPENING TOOL	1		DR		350.00	350.00
276					FLOCCLE	30		lbs		2.00	60.00
290					PORT D-AIR	1		DR		35.00	35.00
330					SWIFT MULTIDENSITY	115		bx		16.50	1897.50
581					SERVICE CHARGE CEMENT	175		bx		2.00	350.00
582					MINIMUM DRAYAGE	17384		lbs	217.30	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: **15 MAR 12** TIME SIGNED: **11:50**  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?				41342.50
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7055 TAX 87 147.58
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 4490.08
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

**Thank You!**

JOB LOG

SWIFT Services, Inc.

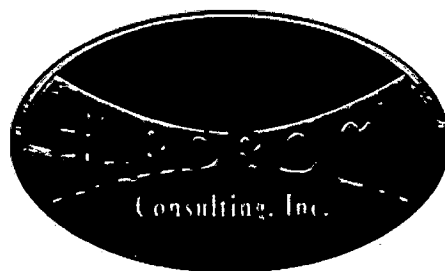
DATE 75 MAR 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE SCHWARTZ-JORDAN #3 JOB TYPE CEMENT PORT COLLAR TICKET NO. 22072

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1315							ON LOCATION
								PORT COLLAR @ 1494'
	1333				✓		1000	TEST HELD
	1334	3			✓		400	OPEN PORT COLLAR TAKE INS. RATE
	1351	4	63	✓			600	MIX 115 SX SMD
		3	5	✓			400	DISPLACE CEMENT
								CIRCULATE 20 SX TO PIT
	1409				✓		1000	CLOSE PORT COLLAR-TEST-HELD
	1415							RUN 4 JTS.
	1420	3	18		✓		200	REVERSE CEMENT OUT OF TUBING
	1426							WASH TRUCK
								JOB COMPLETE
								THANKS #110
								JASON JEFF TJ ISAAC

# **Geological Report**

American Warrior, Inc.  
**Schwartz-Jordan #3**  
2370' FNL & 775' FEL  
Sec. 33 T19s R21w  
Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Schwartz-Jordan #3  
2370' FNL & 775' FEL  
Sec. 33 T19s R21w  
Ness County, Kansas  
API # 15-135-25345-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: February 27, 2012

Completion Date: March 3, 2012

Elevation: 2284' Ground Level  
2290' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 to GG road, South on  
GG road 6.5 mi. West on into location.

Casing: 223' 8 5/8" surface casing  
4429' 5 1/2" production casing

Samples: 10' wet and dry, 3700' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: None

Remarks: None

## Formation Tops

Formation	American Warrior, Inc. Schwartz-Jordan #3 Sec. 33 T19s R21w 2370' FNL & 775' FEL
Anhydrite	1509', +781
Base	1543', +747
Heebner	3795', -1505
Lansing	3842', -1552
BKc	4167', -1877
Pawnee	4288', -1998
Fort Scott	4334', -2044
Cherokee	4350', -2060
Mississippian	4413', -2123
RTD	4430', -2140

## Sample Zone Descriptions

- Fort Scott (4334', -2044):**      **Not Tested**  
 Ls – Fine crystalline with poor inter-crystalline porosity, light to fair oil stain in porosity, show of free oil, good yellow fluorescents, no odor, 25 units hotwire.
- Mississippian Osage (4420', -2130):**      **Covered in DST #1**  
 Dolo – Δ – Fine sucrosic crystalline with fair vuggy and inter-crystalline porosity, heavy triptolic chert, weathered with good vuggy porosity, light to good oil stain in porosity, good show of free oil, good odor, bright spotted yellow fluorescents, 40 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Cody Bloedorn"

**DST #1**

**Mississippian Osage**

Interval (4421' - 4430') Anchor Length 9'

IHP	- 2204 #	
IFP	- 30" - B.O.B. 10 min.	28-155 #
ISI	- 30" - Weak Surface Blow	1107 #
FFP	- 05" - B.O.B. 14 min.	163-234 #
FSI	- 30" - Weak Surface Blow	1051 #
FHP	- 2173 #	
BHT	- 122°F	

Recovery: 201' GIP  
186' GCO  
62' GOCMW 20% Oil, 60% Water  
310' MW w/ oil scum

**Structural Comparison**

	American Warrior, Inc. Schwartz-Jordan #3 Sec. 33 T19s R21w 2370' FNL & 775' FEL	American Warrior, Inc. Schwartz-Jordan #1 Sec. 33 T19s R21w 2150' FNL & 750' FEL	FL	American Warrior, Inc. Schwartz-Jordan #2 Sec. 33 T19s R21w 2400' FSL & 700' FEL	(+2)
<b>Formation</b>					
Anhydrite	1509', +781	1510', +781	NA	1508', +779	NA
Base	1543', +747	NA	(-4)	NA	(+2)
Heebner	3795', -1505	3792', -1501	(-5)	3794', -1507	(+1)
Lansing	3842', -1552	3838', -1547	NA	3840', -1553	NA
BKc	4167', -1877	NA	(-5)	NA	(+4)
Pawnee	4288', -1998	4284', -1993	(-5)	4289', -2002	(+1)
Fort Scott	4334', -2044	4330', -2039	(-5)	4332', -2045	(+2)
Cherokee	4350', -2060	4346', -2055	(-5)	4349', -2062	(+6)
Mississippian	4413', -2123	4415', -2124	(+1)	4416', -2129	

## Summary

The location for the Schwartz-Jordan #3 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 ½ inch production casing to further evaluate the Schwartz-Jordan #3 well.

## Recommended Perforations

**Primary:**

Mississippian Osage (4420' – 4426') DST #1

**Before Abandonment:**

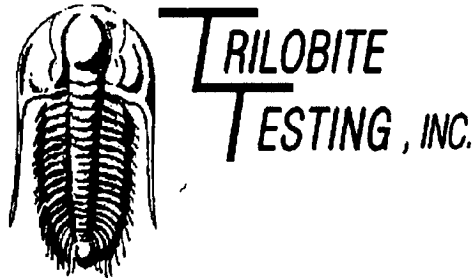
Fort Scott: (4336' – 4342') Not Tested

Respectfully Submitted,

Jason T. Alm  
Hard Rock Consulting, Inc.







## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc,**

PO Box 399  
Garden City KS, 67846

ATTN: Jason Alm

**Schwartz - Jordan #3**

**33-19s-21w Ness,KS**

Start Date: 2012.03.03 @ 09:26:00

End Date: 2012.03.03 @ 16:10:45

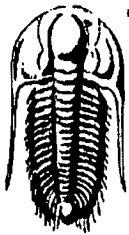
Job Ticket #: 46289                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.08 @ 15:10:38



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

American Warrior Inc,  
PO Box 399  
Garden City KS, 67846  
  
ATTN: Jason Alm

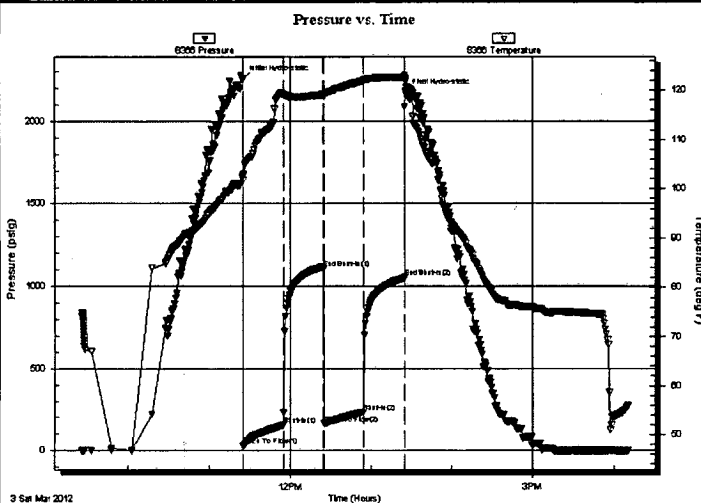
**33-19s-21w Ness,KS**  
**Schwartz - Jordan #3**  
Job Ticket: 46289      DST#: 1  
Test Start: 2012.03.03 @ 09:26:00

### GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:25:30  
Time Test Ended: 16:10:45  
  
Interval: **4421.00 ft (KB) To 4430.00 ft (KB) (TVD)**  
Total Depth: 4430.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Cody Bloedorn  
Unit No: 54  
  
Reference Elevations: 2290.00 ft (KB)  
2284.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8366      Outside**  
Press@RunDepth: 234.36 psig @ 4427.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.03.03      End Date: 2012.03.03      Last Calib.: 2012.03.03  
Start Time: 09:26:02      End Time: 16:10:45      Time On Btm: 2012.03.03 @ 11:25:15  
Time Off Btm: 2012.03.03 @ 13:25:45

**TEST COMMENT:** 30 - IF- B.O.B.in 10 min.  
30 - IS- Surface blow throughout  
30 - FF- B.O.B. in 14 min.  
30 - FS- Surface blow



### PRESSURE SUMMARY

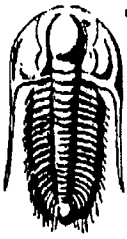
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.10	102.84	Initial Hydro-static
1	28.84	101.81	Open To Flow (1)
30	155.10	119.13	Shut-In(1)
60	1107.99	119.14	End Shut-In(1)
60	163.97	118.70	Open To Flow (2)
90	234.36	121.90	Shut-In(2)
120	1050.80	122.67	End Shut-In(2)
121	2173.64	122.29	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW, Oil scum, 10%M, 90%W	2.65
62.00	GOCMW, 10%G, 10%M, 20%O, 60%W	0.87
186.00	GO, 30%G, 70%O	2.61
0.00	201' of G.I.P.	0.00

### Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc,  
 PO Box 399  
 Garden City KS, 67846  
 ATTN: Jason Alm

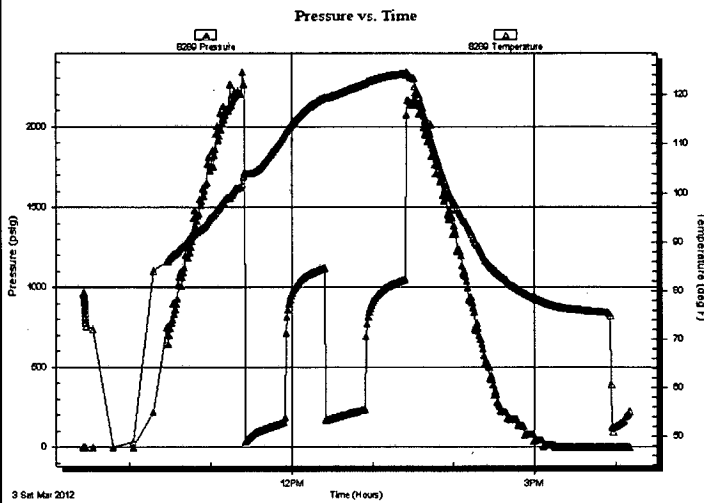
**33-19s-21w Ness,KS**  
**Schwartz - Jordan #3**  
 Job Ticket: 46289 **DST#: 1**  
 Test Start: 2012.03.03 @ 09:26:00

**GENERAL INFORMATION:**

Formation: **Miss**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: **11:25:30** Tester: **Cody Bloedorn**  
 Time Test Ended: **16:10:45** Unit No: **54**  
 Interval: **4421.00 ft (KB) To 4430.00 ft (KB) (TVD)** Reference Elevations: **2290.00 ft (KB)**  
 Total Depth: **4430.00 ft (KB) (TVD)** **2284.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **6.00 ft**

**Serial #: 8289** **Inside**  
 Press@RunDepth: **psig @ 4427.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.03.03** End Date: **2012.03.03** Last Calib.: **2012.03.03**  
 Start Time: **09:26:02** End Time: **16:10:45** Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 - IF- B.O.B. in 10 min.  
 30 - IS- Surface blow throughout  
 30 - FF- B.O.B. in 14 min.  
 30 - FS- Surface blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
310.00	MW, Oil scum, 10%M, 90%W	2.65
62.00	GOCMW, 10%G, 10%M, 20%O, 60%W	0.87
186.00	GO, 30%G, 70%O	2.61
0.00	201' of G.I.P.	0.00

**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: Jason Alm

**33-19s-21w Ness,KS**  
  
**Schwartz - Jordan #3**  
Job Ticket: 46289      **DST#: 1**  
Test Start: 2012.03.03 @ 09:26:00

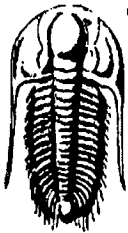
**Tool Information**

Drill Pipe:	Length: 4216.00 ft	Diameter: 3.80 inches	Volume: 59.14 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume: 60.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4421.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 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			4394.00	
Shut In Tool	5.00			4399.00	
Hydraulic tool	5.00			4404.00	
Jars	5.00			4409.00	
Safety Joint	2.00			4411.00	
Packer	5.00			4416.00	28.00      Bottom Of Top Packer
Packer	5.00			4421.00	
Stubb	1.00			4422.00	
Perforations	5.00			4427.00	
Recorder	0.00	8289	Inside	4427.00	
Recorder	0.00	8366	Outside	4427.00	
Bullnose	3.00			4430.00	9.00      Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior Inc,  
PO Box 399  
Garden City KS, 67846  
  
ATTN: Jason Alm

**33-19s-21w Ness,KS**  
**Schwartz - Jordan #3**  
Job Ticket: 46289      **DST#: 1**  
Test Start: 2012.03.03 @ 09:26:00

**Mud and Cushion Information**

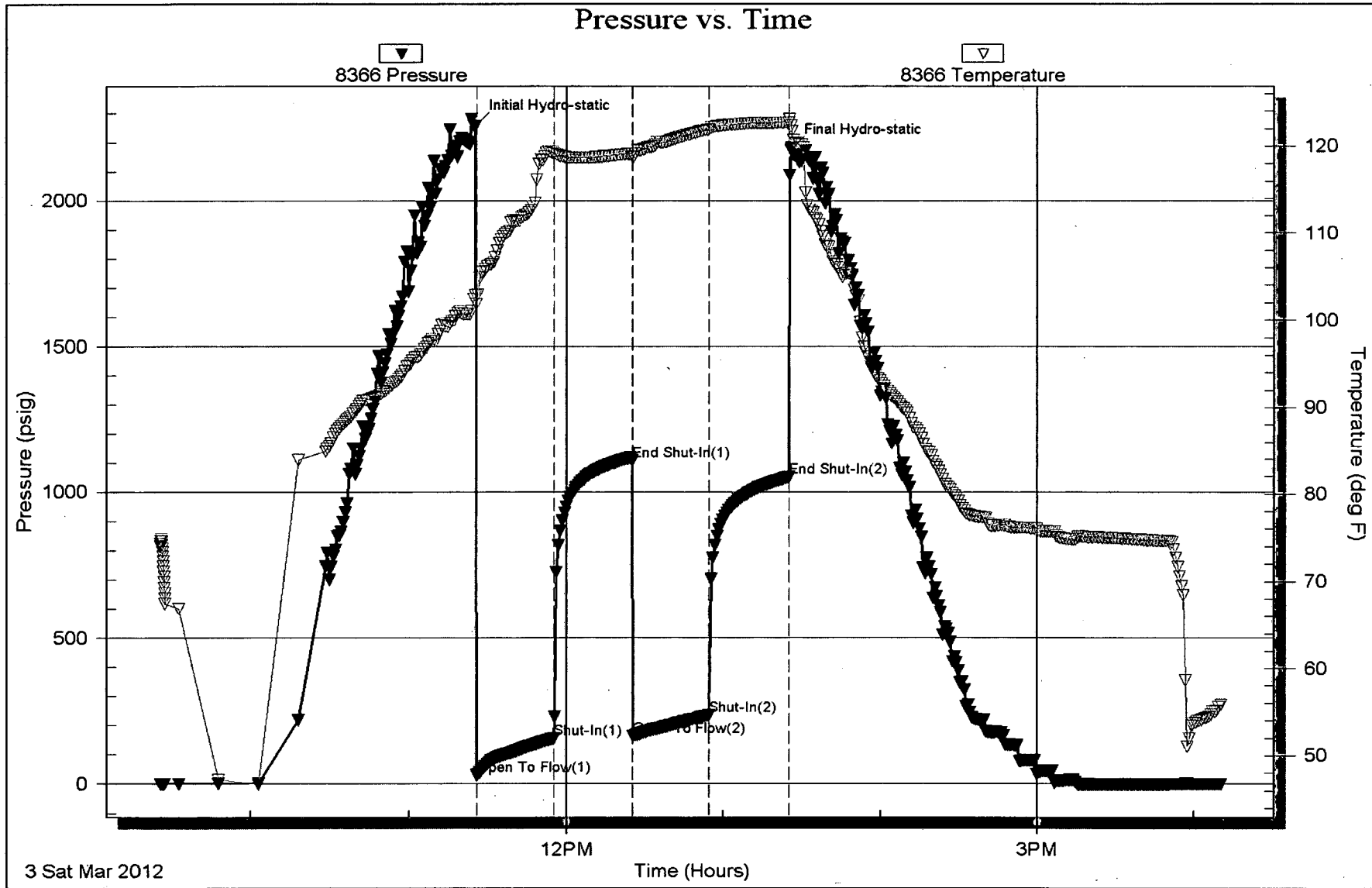
Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6300.00 ppm		
Filter Cake: inches		

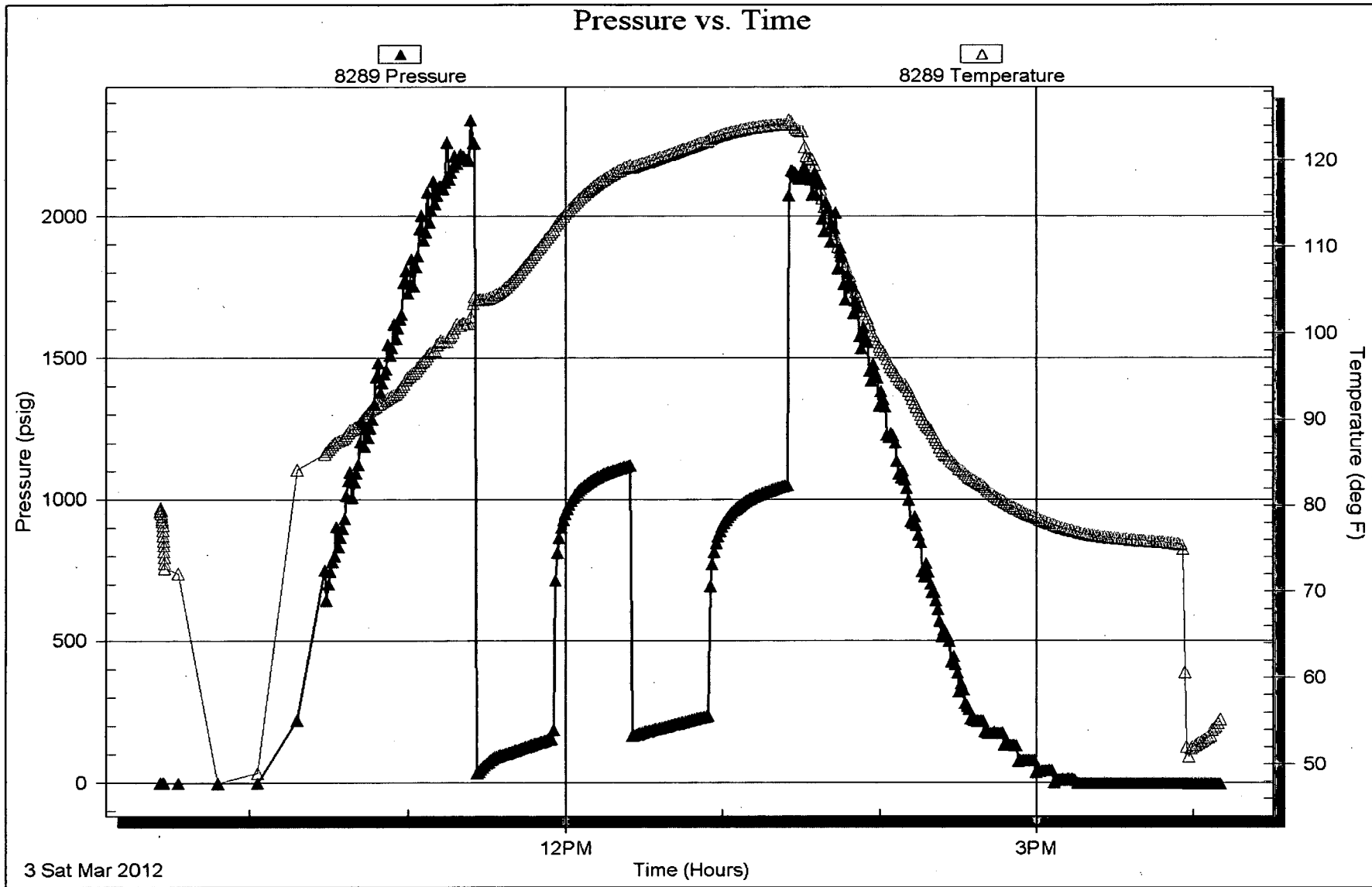
**Recovery Information**

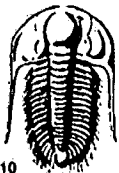
**Recovery Table**

Length ft	Description	Volume bbl
310.00	MW, Oil scum, 10%M, 90%W	2.654
62.00	GOCMW, 10%G, 10%M, 20%O, 60%W	0.870
186.00	GO, 30%G, 70%O	2.609
0.00	201' of G.I.P.	0.000

Total Length: 558.00 ft      Total Volume: 6.133 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity: 40 @ 60Degrees = 40







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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## Test Ticket

NO. 46289

4/10

BY: \_\_\_\_\_

Well Name & No. Schwartz - Jordan #3 Test No. 1 Date 3-3-12  
 Company American Warrior, INC Elevation 2290 KB 2284 GL  
 Address Po Box 399, Garden City KS, 67846  
 Co. Rep / Geo. Sason Alm Rig Petromark #1  
 Location: Sec. 33 Twp. 19s Rge. 21w Co. NESS State KS

Interval Tested 4421-4430 Zone Tested MISS  
 Anchor Length 9' Drill Pipe Run 4216 Mud Wt. 9.1  
 Top Packer Depth 4416 Drill Collars Run 186 Vis 63  
 Bottom Packer Depth 4421 Wt. Pipe Run — WL 6.4  
 Total Depth 4430 Chlorides 6,300 ppm System LCM —  
 Blow Description IF - B.O.B. in 10 Min.  
ISI - Surface blow throughout.  
FF - B.O.B. in 14 Min.  
FSI - Surface blow.

Rec	Feet of	%gas	%oil	%water	%mud
310	Feet of MW - oil scum		90	10	
62	Feet of GOCMW	10	20	60	10
186	Feet of 60	30	70		
	Feet of 201' of G.I.P.				
	Feet of				

Rec Total 558' BHT 122 Gravity 40 API RW .2 @ 45 °F Chlorides 60,000 ppm

(A) Initial Hydrostatic 2256  Test 1225' T-On Location 8:51 am  
 (B) First Initial Flow 28  Jars 250' T-Started 9:26 am  
 (C) First Final Flow 155  Safety Joint 75' T-Open 11:25 am  
 (D) Initial Shut-In 1107  Circ Sub \_\_\_\_\_ T-Pulled 1:25 pm  
 (E) Second Initial Flow 163  Hourly Standby \_\_\_\_\_ T-Out 4:11 pm  
 (F) Second Final Flow 234  Mileage 58 X 2 114 RT 162.40 Comments \_\_\_\_\_  
 (G) Final Shut-In 1050  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2173  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1712.40  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Sub Total 1712.40

Approved By \_\_\_\_\_

Our Representative Cody B. Bledsoe

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.