



KANSAS CORPORATION COMMISSION 1082262  
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     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 #: \_\_\_\_\_  
03/06/2012    03/14/2012    05/07/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-135-25347-00-00  
Spot Description: \_\_\_\_\_  
W2 SE SE NE Sec. 34 Twp. 19 S. R. 21  East  West  
2310 Feet from  North /  South Line of Section  
530 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ness  
Lease Name: Pittenger Well #: 3  
Field Name: Corsair  
Producing Formation: Mississippian  
Elevation: Ground: 2271 Kelly Bushing: 2277  
Total Depth: 4422 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: 1448 Feet  
If Alternate II completion, cement circulated from: 1448  
feet depth to: 0 w/ 112 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 Gertzel Date: 05/24/2012



1082262

Operator Name: American Warrior, Inc. Lease Name: Pittenger Well #: 3  
 Sec. 34 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 Wire-line 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	4422	EA-2	175	1/4# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1448	SMD	115	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	4413.5-4421.5		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4411</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>05/07/2012</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>25</u>	Gas Mcf <u>5</u>	Water Bbls. <u>5</u> Gas-Oil Ratio _____ Gravity <u>41</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>4413.5-4421.5</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Pittenger 3
Doc ID	1082262

Tops

Anhydrtie	1496	781
Heebner	3798	-1521
Lansing	3844	-1567
Base Kansas City	4171	-1894
Pawnee	4294	-2017
Ft. Scott	4324	-2047
Cherokee	4341	-2064
Mississippian	4410	-2133
TD	4422	-2145

# ALLIED CEMENTING CO., LLC. 042445

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

SERVICE POINT:

Corning, KS

DATE <u>3-7-12</u>	SBC <u>34</u>	TWP <u>19S</u>	RANGE <u>21W</u>	WELL # <u>3</u>	ON LOCATION <u>H.H. Rd 75226</u>	JOB START <u>5:30 pm</u>	JOB FINISH <u>6:20 pm</u>
LEASE	LOCATION <u>H.H. Rd 75226</u>				COUNTY <u>NESS</u>	STATE <u>Kansas</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Passmark Drilling OWNER American Wellco

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223 CEMENT AMOUNT ORDERED 150 sbs class A 3/4"

CASING SIZE 6 5/8 DEPTH 2 1/2 gal

DRILL PIPE 1 1/2 DEPTH

MINIMUM

SHOE JOINT

CONDUIT IN USE 15 ft

PERMS

DISPLACEMENT 13 1/4

**EQUIPMENT**

PUMP TRUCK CEMENTER Russell

# 224 HELPER Tom P

BULK TRUCK # 492-199 DRIVER Jimmy H / Ken

BULK TRUCK DRIVER

HANDLING MILEAGE

**REMARKS:**

Pipe on bottom done circulate with Big Mud  
150 sbs class A 3/4" 2 1/2 gal  
Displace with 13 1/4 bbls fresh water  
shot in  
plug down - 6:20  
Big Mud

CHARGE TO: American Wellco

STREET

CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

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.

PRINTED NAME Dennis Morrison

SIGNATURE Dennis Morrison

Thank You!

TOTAL

**SERVICE**

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE

MILEAGE

MANIFOLD

TOTAL

TOTAL

TOTAL

TOTAL

TOTAL

SALES TAX (if Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Date 3-7-12 District 6191-Br LK Ticket No. 47445  
 Company American Machine Rig Perimeter 01  
 Lease Pittenger Well No. 23  
 County Wess State Ky-963  
 Location  Hwy 26 & Hill Rd 79226 Field \_\_\_\_\_  
West 4-10

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 4 5/8 Type New Weight 21.0 Collar Std

Casing Depth: Top KB Bottom 223

Drill Pipe: Size 4 1/2 Weight 16.6 Collars X hole  
 Open Hole: Size 12 1/4 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70  
 Open Hole: Bbls/Lin. ft. 1.155 Lin. ft./Bbl. 6.95  
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. 5.735 Lin. ft./Bbl. 17.60  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

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

CEMENT DATA:

Spacer Type: Freshwater  
 Amt. 56613 Ska Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 9.34 PPG

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

Amt. \_\_\_\_\_ Ska Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TAIL: Pump Time 7.1-20 min hrs. Type Class A 34-cc  
21-901 Excess \_\_\_\_\_

Amt. 150 Ska Yield 11.94 ft<sup>3</sup>/sk Density 15.2 PPG

WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 224-Jm P

Bulk Equip. 482-158 - Jimmy H / Kevin E.

Floater Equip: Manufacturer \_\_\_\_\_

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

Floater: Type \_\_\_\_\_ Depth \_\_\_\_\_

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

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

Special Equip. \_\_\_\_\_

Disp. Fluid Type Freshwater Amt. \_\_\_\_\_ Bbls. Weight 6.94 PPG

Mud Type MT-10 Weight 11 PPG

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

CEMENTER Dustin Co

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						ON location - Big up
						Hud safety meeting
						Run 4 5/8 casing
						Circulate casing with Big mud
						Hookup cement pump
				5		Run 56613 freshwater ahead
			25.25	23.25		Mix 150 SKS Class A 34-cc 21-901
			41.49	13.24		Displace 13 1/4 bbls freshwater
						that in
						Cement Dis circulate
						Plug Run - 6:00 pm
						Big Down -

*Dustin Co*



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

TICKET  
 No. **82071**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>NESS CITY, KS.</b>	WELL/PROJECT NO.	LEASE <b>FITTINGER #3</b>	COUNTY/PARISH <b>NESS</b>	STATE <b>KS</b>	CITY <b>BAZINE, KS</b>	DATE <b>14/MAR/12</b>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input checked="" type="checkbox"/> SALES	CONTRACTOR <b>PETROMARK DRILLING</b>	RIG NAME/NO.	SHIPPED VA	DELIVERED TO	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>4/E, 6 1/2 S W INTO</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT*
		LOC	ACCT	OF							
575					MILEAGE \$110	25		ML		6.00	150.00
578					PUMP CHARGE	1	4421	FT.		1500.00	1500.00
402					CENTRALIZERS	5		EA		70.00	350.00
403					CEMENT BASKETS	2		EA		250.00	500.00
404					PORT COLLAR	1	1448	FT		2400.00	2400.00
406					LATCH DOWN PLUG & BAFFLE	1		EA		250.00	250.00
407					INSERT FLOAT SHOE W/AUTO FILL	1		EA		350.00	350.00
281					MUD FLUSH	500		SKL		1.25	625.00
221					LIQUID KCL	2		SKL		25.00	50.00
419					ROTATING HEAD RENTAL	1		SSB		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  
 DATE SIGNED **14/MAR/12** TIME SIGNED **0820**  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	6375.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4541.50	
WE UNDERSTOOD AND MET YOUR NEEDS?				10,916.50	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT OPERATOR *[Signature]*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

**Thank You!**

JOB LOG

SWIFT Services, Inc.

DATE 11/MAR/12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE PITTEMBER #3

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 22071

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							ON LOCATION
	0410							START PIPE 5 1/2 15.5" RIDE 4/22 SET @ 4/21 SHOE JT. 4/22 CENTRALIZERS 1, 2, 3, 4, 70 BASKETS 5, 71 POKI COLLAR TOP OF JT # 11 @ 1488
	0635							DROP BALL CIRCULATE
	0706	6	12				300	Pump 500 GAL MUD FLUSH
		6	20				300	Pump 200 BBL KL FLUSH
	0711		7					PLUG RH (30sx)
	0714	4	35					MIX 145sx EA2
	0727							WASH OUT PUMPING LINES
	0729	6						START DISPLACEMENT
	0747		10 1/2				1500	PLUG DOWN PSI W/ LATCH PLUG IN
	0749							RELEASE PSI - DRY
	0751							WASH TRUCK
	0820							JOB COMPLETE.
								THANKS #110
								JASON, JEFF ISAAC JS







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

TICKET  
 No **82133**

PAGE **1** OF

SERVICE LOCATION: **1. NESS CITY, KS**  
 WELL/PROJECT NO.: **PITENGER #3** LEASE: **NESS** COUNTY: **NESS** STATE: **KS** CITY: **BAZINE, KS.** DATE: **28 MAR 12** OWNER:  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: **HD OIL FLD SERV.** RIG NAME NO.: SHIPPED: **VA** DELIVERED TO: ORDER NO.:  
 WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **4E, 6 25 W ENTJ.**  
 REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575					MILEAGE #110	25	MIL	6.00		150.00
576D					Pump CHARGE	1	JOB	1250.00		1250.00
276					FLOCELE	30	lbs	2.00		60.00
290					D-AIR	1	gal	35.00		35.00
105					PORT COLLAR OPENING TOOL	1	JOB	350.00		350.00
331					SWIFT MULTI DENSITY	115	sq	16.50		1897.50
581					SERVICE CHARGE CEMENT	175	sq	2.00		350.00
582					MINIMUM DRAVAGE	17384	lbs	217.3	tm	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: **28 MAR 12** TIME SIGNED: **1545**  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?				4342	50
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				70.00	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		147	58
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	4490.08

SWIFT OPERATOR: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: [Signature] APPROVAL: [Signature]

**Thank You!**



# **Geological Report**

American Warrior, Inc.  
**Pittenger #3**  
2310' FNL & 530' FEL  
Sec. 34 T19s R21w  
Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Pittenger #3  
2310' FNL & 530' FEL  
Sec. 34 T19s R21w  
Ness County, Kansas  
API # 15-135-25347-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: March 6, 2012

Completion Date: March 14, 2012

Elevation: 2271' Ground Level  
2277' Kelly Bushing

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

Casing: 223' 8 5/8" surface casing  
4421' 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. "Jason McLemore"

Problems: None

Remarks: Six stands of drill collars were run on DST #1 vs.  
two which are usually run. The extra collars lead  
the fluid recovery to be misleading, if the normal  
two stands of collars were run the recovery would  
have been dramatically less.

## Formation Tops

	American Warrior, Inc. Pittenger #3 Sec. 34 T19s R21w 2310' FNL & 530' FEL
<b>Formation</b>	
Anhydrite	1496', +781
Base	1527', +750
Heebner	3798', -1521
Lansing	3844', -1567
BKc	4171', -1894
Pawnee	4294', -2017
Fort Scott	4324', -2047
Cherokee	4341', -2064
Mississippian	4410', -2133
RTD	4422', -2145

## Sample Zone Descriptions

**Mississippian Osage (4410', -2133):** Covered in DST #1  
Dolo - Δ - Fine sucrosic crystalline with fair vuggy porosity, heavy triptolic chert, weathered with good vuggy porosity, light to good oil stain and saturation in porosity, good show of free oil, good odor, fair to bright yellow fluorescents, 26 units hotwire.

**Drill Stem Tests**  
 Trilobite Testing, Inc.  
 "Jason McLemore"

**DST #1**

**Mississippian Osage**

Interval (4411' - 4420') Anchor Length 9'

IHP	- 2245 #	
IFP	- 45" - B.O.B. 40 min.	16-93 #
ISI	- 45" - Built to ½ in.	1340 #
FFP	- 45" - Built to 8 in.	101-151 #
FSI	- 45" - Built to ½ in.	1322 #
FHP	- 2099 #	
BHT	- 117°F	

Recovery: 320' GCO  
 70' HMWCO                      60% Oil, 10% Water

**Structural Comparison**

	American Warrior, Inc. Pittenger #3 Sec. 34 T19s R21w 2310' FNL & 530' FEL	American Warrior, Inc. Pittenger #2 Sec. 34 T19s R21w 2030' FNL & 330' FEL		American Warrior, Inc. Pittenger-Moore #1 Sec. 34 T19s R21w 2470' FNL & 880' FEL	
<b>Formation</b>					
Anhydrite	1496', +781	1496', +784	(-3)	1488', +783	FL
Base	1527', +750	NA	NA	1518', +753	(-3)
Heebner	3798', -1521	3800', -1520	(-1)	3788', -1517	(-4)
Lansing	3844', -1567	3846', -1566	(-1)	3832', -1561	(-6)
BKc	4171', -1894	NA	NA	4161', -1890	(-4)
Pawnee	4294', -2017	NA	NA	4284', -2013	(-4)
Fort Scott	4324', -2047	4330', -2050	(+3)	4318', -2047	FL
Cherokee	4341', -2064	4349', -2069	(+5)	4334', -2063	(-1)
Mississippian	4410', -2133	4420', -2140	(+7)	4422', -2151	(+18)

## **Summary**

The location for the Pittenger #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 Pittenger #3 well.

## **Recommended Perforations**

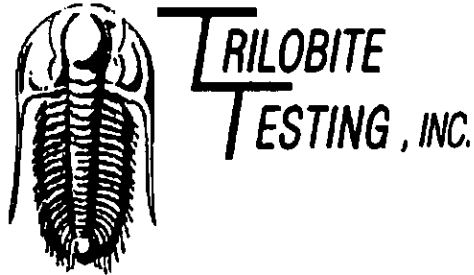
<b>Mississippian Osage</b>	<b>(4410' – 4420')</b>	<b>DST #1</b>
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Respectfully Submitted,

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

### **Pittenger #3**

### **34-19s-21w Ness,KS**

Start Date: 2012.03.13 @ 09:24:23

End Date: 2012.03.13 @ 17:59:38

Job Ticket #: 46448                      DST #: 1

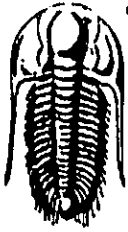
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.03.14 @ 16:11:37

American Warrior, Inc.    34-19s-21w Ness,KS    Pittenger #3    DST # 1    Mississippi    2012.03.13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

34-19s-21w Ness, KS

PO Box 399  
Garden City, KS 67846

Pittenger #3

Job Ticket: 46448

DST#: 1

ATTN: Jason Alm

Test Start: 2012.03.13 @ 09:24:23

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 12:22:23

Time Test Ended: 17:59:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 4411.00 ft (KB) To 4420.00 ft (KB) (TVD)

Total Depth: 4420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2277.00 ft (KB)

2271.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8366

Inside

Press@RunDepth: 151.61 psig @ 4416.00 ft (KB)

Start Date: 2012.03.13

End Date:

2012.03.13

Capacity: 8000.00 psig

Last Calib.: 2012.03.13

Start Time: 09:24:25

End Time:

17:59:38

Time On Btm: 2012.03.13 @ 12:22:08

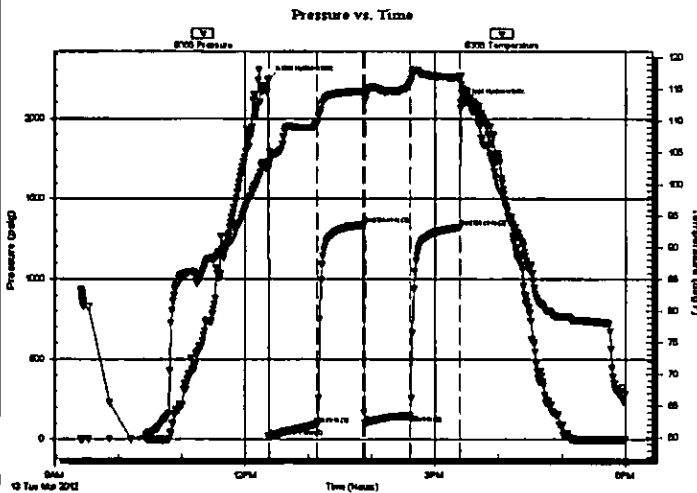
Time Off Btm: 2012.03.13 @ 15:24:23

TEST COMMENT: IFF-Good Blow, BOB in 40 Min.

ISI-Blow back Built to 1/2"

FFP-Good Blow, Built to 8"

FFP-Blow back Built to 1/2"



## PRESSURE SUMMARY

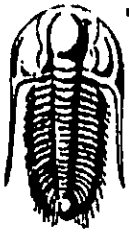
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.19	103.53	Initial Hydro-static
1	16.17	102.63	Open To Flow (1)
47	93.59	109.74	Shut-in(1)
90	1340.18	114.60	End Shut-in(1)
92	101.29	113.06	Open To Flow (2)
135	151.61	116.00	Shut-in(2)
182	1322.82	116.87	End Shut-in(2)
183	2099.40	117.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	HOCWM-60%O-10%W-30%M	0.34
320.00	Free Oil	1.82

## Gas Rates

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



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

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

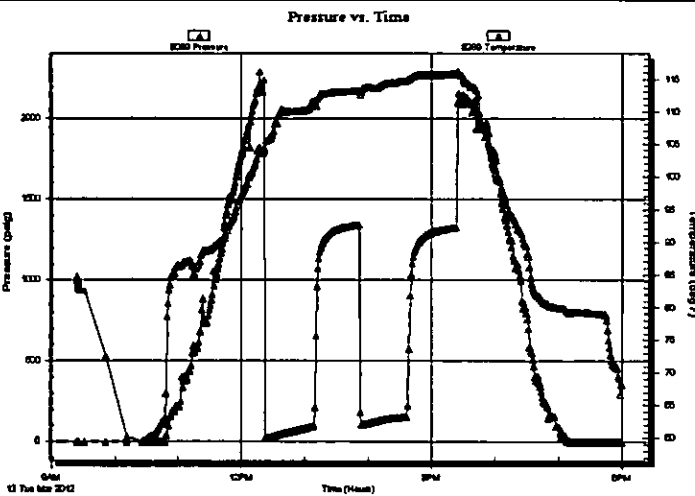
34-19s-21w Ness, KS  
**Pittenger #3**  
 Job Ticket: 46448      DST#: 1  
 Test Start: 2012.03.13 @ 09:24:23

### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock: 0.00 ft (KB)**  
 Time Tool Opened: 12:22:23  
 Time Test Ended: 17:59:38  
 Interval: **4411.00 ft (KB) To 4420.00 ft (KB) (TVD)**  
 Total Depth: **4420.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Jason McLemore**  
 Unit No: **54**  
 Reference Elevations: **2277.00 ft (KB)**  
   **2271.00 ft (CF)**  
 KB to GR/CF: **6.00 ft**

**Serial #: 8289**      **Outside**  
 Press@RunDepth:      psig @      4416.00 ft (KB)  
 Start Date:      2012.03.13      End Date:      2012.03.13      Capacity:      8000.00 psig  
 Start Time:      09:24:10      End Time:      17:59:38      Last Calib.:      2012.03.13  
    Time On Btrc  
    Time Off Btrc

**TEST COMMENT:** IFF-Good Blow , BOB in 40 Min.  
 IS-Blow back Built to 1/2"  
 FFP-Good Blow , Built to 8"  
 FFP-Blow back Built to 1/2"



### PRESSURE SUMMARY

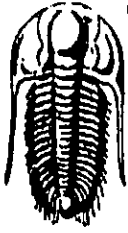
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
70.00	HOCWM-60%O-10%W-30%M	0.34
320.00	Free Oil	1.82

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Warrior, Inc.

**34-19s-21w Ness,KS**

PO Box 399  
Garden City, KS 67846

**Pittenger #3**

Job Ticket: 46448

**DST#: 1**

ATTN: Jason Alm

Test Start: 2012.03.13 @ 09:24:23

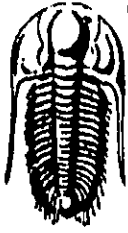
**Tool Information**

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 363.00 ft	Diameter: 2.25 inches	Volume: 1.79 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4411.00 ft			Final 76000.00 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			4384.00	
Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Jars	5.00			4399.00	
Safety Joint	2.00			4401.00	
Packer	5.00			4406.00	28.00 Bottom Of Top Packer
Packer	5.00			4411.00	
Stubb	1.00			4412.00	
Perforations	4.00			4416.00	
Recorder	0.00	8366	Inside	4416.00	
Recorder	0.00	8289	Outside	4416.00	
Perforations	1.00			4417.00	
Bullnose	3.00			4420.00	9.00 Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.

34-19s-21w Ness, KS

PO Box 399  
Garden City, KS 67846

Pittenger #3

Job Ticket: 46448

DST#: 1

ATTN: Jason Alm

Test Start: 2012.03.13 @ 09:24:23

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
70.00	HOCWM-60%O-10%W-30%M	0.344
320.00	Free Oil	1.820

Total Length: 390.00 ft

Total Volume: 2.164 bbl

Num Fluid Samples: 0

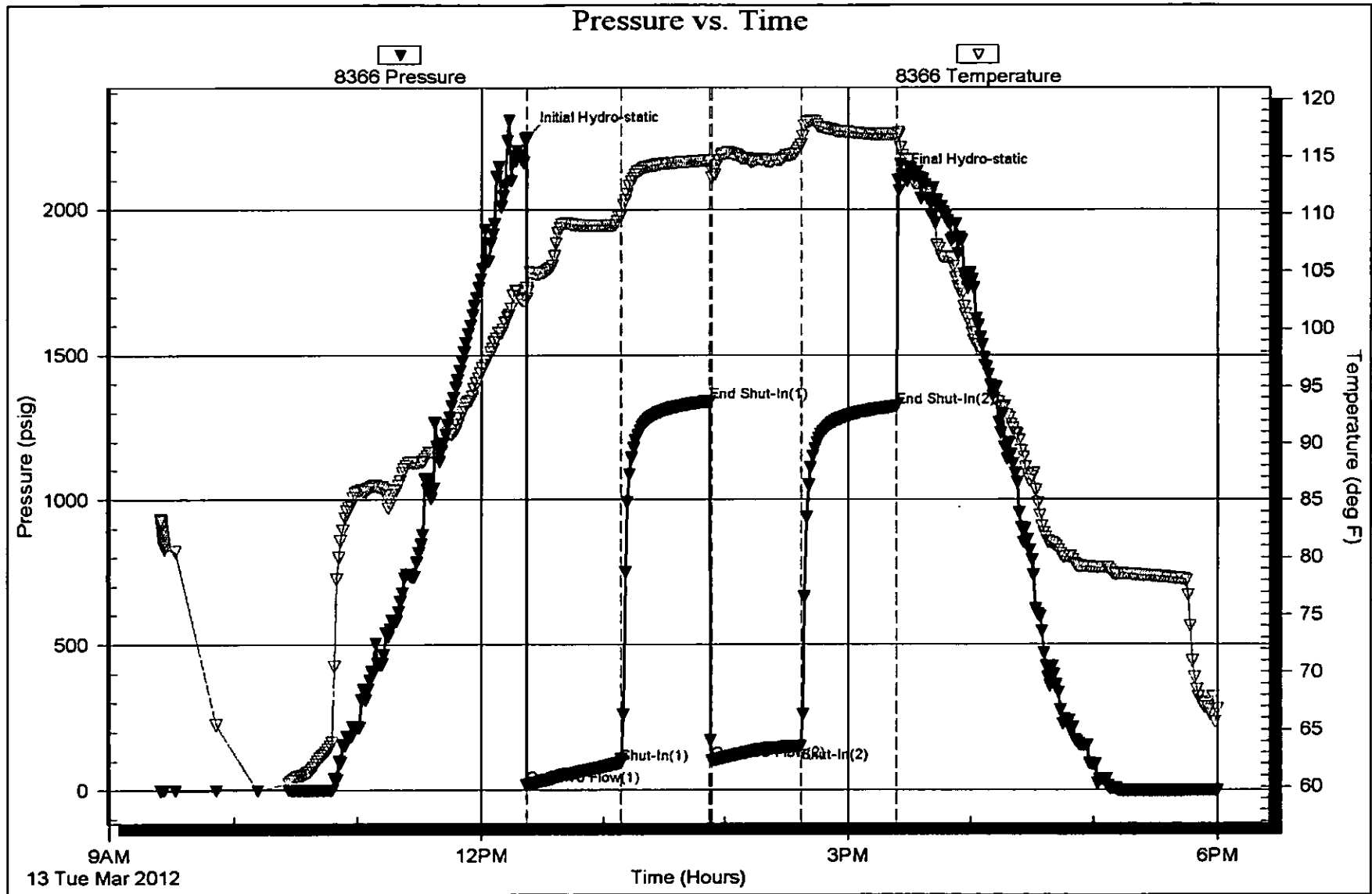
Num Gas Bombs: 0

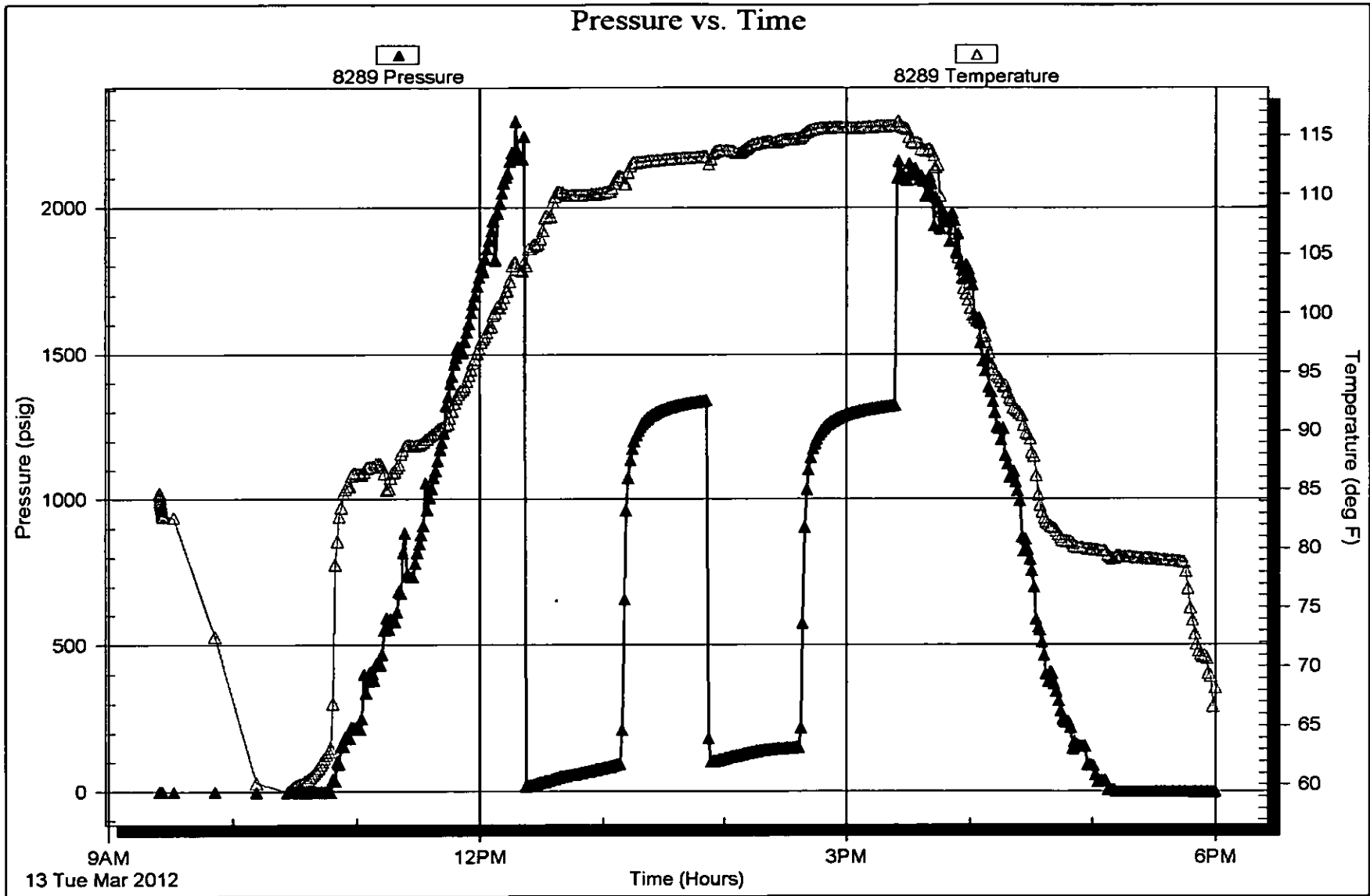
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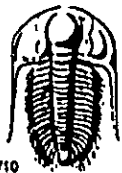
Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## RECEIVED

MAR 14 2012

## Test Ticket

NO. 46448

Well Name & No. Pittenger #3 BY: \_\_\_\_\_ Test No. 1 Date 3-13-12  
 Company American Warrior, Inc. Elevation 2277 KB 2271 GL \_\_\_\_\_  
 Address PO Box 399, Garden City, KS 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark #1  
 Location: Sec. 34 Twp. 19s Rge. 21w Co. Ness State KS

Interval Tested 4411-4420 Zone Tested Mississippi  
 Anchor Length 9' Drill Pipe Run 4046 Mud Wt. 9.3  
 Top Packer Depth 4406 Drill Collars Run 363 Vis 65  
 Bottom Packer Depth 4411 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4420 Chlorides 5500 ppm System LCM 0

Blow Description IFF- Good Blow, BOB in 40 min.  
ISI- Blowback Built to 1/2"  
FFP- Good Blow, Built to 8"  
FSI- Blowback Built to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>Free Oil</u>				
<u>70</u>	<u>HOCWM</u>		<u>60</u>	<u>10</u>	<u>30</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 390 BHT \_\_\_\_\_ Gravity 41 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2245  Test 1225 T-On Location 9:05  
 (B) First Initial Flow 16  Jars 250 T-Started 9:22  
 (C) First Final Flow 94  Safety Joint 76 T-Open 12:21  
 (D) Initial Shut-In 1340  Circ Sub \_\_\_\_\_ T-Pulled 15:21  
 (E) Second Initial Flow 101  Hourly Standby \_\_\_\_\_ T-Out 17:58  
 (F) Second Final Flow 152  Mileage 110 ft 134' Comments \_\_\_\_\_  
 (G) Final Shut-In 1323  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2099  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Copies \_\_\_\_\_  
 Final Shut-In 45 Sub Total 0  
 Total 1704  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Jason McDaniel *Thank you*

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