



KANSAS CORPORATION COMMISSION 1054694  
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>03/17/2011</u>	<u>03/24/2011</u>	<u>04/06/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25223-00-00

Spot Description: \_\_\_\_\_

E2 SW NE SE Sec. 30 Twp. 18 S. R. 21  East  West  
1,650 Feet from  North /  South Line of Section  
960 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ness

Lease Name: Pablo Well #: 4-30

Field Name: \_\_\_\_\_

Producing Formation: Cherokee

Elevation: Ground: 2135 Kelly Bushing: 2141

Total Depth: 4250 Plug Back Total Depth: 4248

Amount of Surface Pipe Set and Cemented at: 1398 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ 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 Garrison Date: 04/26/2011



1054694

Operator Name: American Warrior, Inc. Lease Name: Pablo Well #: 4-30  
 Sec. 30 Twp. 18 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 Induction, Dual Compensated Porosity, Micro Dual Receiver Cement Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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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	1398	SMD	425	1/4# flocele
Production	7.875	5.5	15.5	4249	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	0-2200	SMD	125	1/4# flocele

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
8	4165-4169		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4201</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/06/2011</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>35</u>	Gas Mcf _____	Water Bbls. <u>4</u> Gas-Oil Ratio _____ Gravity <u>39</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>4165-4169</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Pablo 4-30
Doc ID	1054694

Tops

Name	Top	Datum
Anhydrite	1392	749
Heebner	3617	-1476
Lansing	3662	-1521
BKC	3981	-1840
Pawnee	4062	-1921
Ft. Scott	4143	-2002
Cherokee	4161	-2120
Mississippian	4226	-2085
TD	4250	-2109



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

TICKET  
**20546**  
 PAGE 1 OF 1

SERVICE LOCATIONS: 1. **NESS CITY, KS.**  
 WELL/PROJECT NO.: **PABLO 4-30** LEASE: **NESS** COUNTY: **WARRIOR** STATE: **KS.** CITY: **BAZINE, KS** DATE: **17 MAR 11** OWNER:  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **PETROMARK DRILLING** RIG NAME NO.: SHIPPED VIA: **LOCATION** DELIVERED TO: ORDER NO.:  
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **8 5/8 SURFACE** WELL PERMIT NO.: WELL LOCATION: **1E 1/4 N, W 1/2**  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 110	20		MIL		5.00	100.00
576D		1			PUMP CHARGE	1		LEGS	1400 FT.	1100.00	1100.00
401		1			INSERT FLOAT W/O AUTO FILL	1		EA.		250.00	250.00
409		1			TURBOLIZERS	4		EA.		90.00	360.00
410		1			TDP PLUG	1		EA.		100.00	100.00
281		1			MUD FLUSH	500		BAR		1.00	500.00
221		1			LIQWID KCL	2		Gal		25.00	50.00
276		1			FLOCELE	107		lbs.		1.50	160.50
290		1			D-AIR	4		199L		35.00	140.00
330		1			SWIFT MULTI DENSITY	425		15x		15.00	6375.00
581		1			SERVICE CHARGE CEMENT	425		15x		1.50	6375.00
583		1			DRAYAGE	42297	1165		422.97 Tm	1.00	4122.97

**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: **17 MAR 11** TIME SIGNED: **2245**  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?				10,195.97
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

SWIFT OPERATOR: *Jan E. Kraft*

APPROVAL:

Thank You





CHARGE TO: American Warrior  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
20552

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>And City KS</u>	WELL/PROJECT NO. <u>4-30</u>	LEASE <u>Pablo</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Bazine</u>	DATE <u>24 MAR 11</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Petromark</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement long string</u>	WELL PERMIT NO.	WELL LOCATION <u>30-185-21 W</u>		
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 TRK 114	20	mi		5.00	100.00	
578		1			Pump Charge	1	ea		1400.00	1400.00	
402		1			Centralizer	5 1/2	in	5	ea	65.00	325.00
403		1			Cement Basket	5 1/2	in	1	ea	230.00	230.00
406		1			Latch down plug & baffle	5 1/2	in	1	ea	225.00	225.00
407		1			INSERT FLOAT shoe	5 1/2	in	1	ea	300.00	300.00
<del>419</del>		<del>1</del>			<del>Rotating head seal</del>	<del>1</del>	<del>ea</del>		<del>150.00</del>	<del>150.00</del>	

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

X [Signature]  
 DATE SIGNED: 05/30 TIME SIGNED: AM  
 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	2580.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					4620.00
WE UNDERSTOOD AND MET YOUR NEEDS?					7200.00
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 type="checkbox"/> NO				TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: AB. 11 APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 24 MAR 11 PAGE NO.

CUSTOMER *Alfcom Watt, dx* WELL NO. *4-30* LEASE *Pablo* JOB TYPE *cement long string* TICKET NO. *20552*

CHART NO.	TIME	RATE (GPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 101 joint 5 1/2 15.5"
								cat 1, 2, 3, 4, 80 Riser 5 LTD 4050 TOTAL PIPE 4250' joint 47.8'
	0100							on loc TRK 1H
	0130							START 5 1/2" 15.5" casing in well
	0320							Dropball circulate - ROTATE circulate pipe down
	0435							Pump 12 bbl MUDFLUSH Pump 20 bbl KCL flush
	0440		7					Plug RH (30 sks)
	0445	4 3/4				250		MIX 145 sks EA-2 @ 15.3 PPG
	0500							Drop plug Wash out Pump & lines
	0503	6 3/4	92			850		Displace Plug
	0520		100			1500		LAND plug
								wash truck
								Back to
	0545							job complete Thank! Blaine Dave & MID



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

TICKET CONTINUATION

TICKET No. 20552

CUSTOMER American Warrior WELL Pablo 4-30 DATE 23 MAR 11 PAGE 2 OF 2

325	1		STANDARD cement (for SA-2)	175 sk	12 00	2100 00
284	1		calseal	8 sk	30 00	240 00
283	1		salt	900 lb	0 15	135 00
292	1		halod-322	125 lb	7 50	937 50
276	1		flocele	50 lb	1 50	75 00
281	1		mud flush	50 gal	1 00	500 00
221	1		KCL liquid	2 gal	25 00	50 00
290			D-AR	2 gal	35 00	70 00
582			Drayage (W. & M.)	1 cu	250 00	250 00
581			SERVICE CHARGE	17.5	1 50	262 50
			TOTAL WEIGHT	LOADING MILES	TON MILES	

4620 00





CHARGE TO: American Warrior  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
20556

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>4-30</u>	LEASE <u>Pablo</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Bazine</u>	DATE <u>29 MAR 11</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR		RIG NAME/NO.	SHIPPED <u>VIA</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>contract annulled</u>		WELL PERMIT NO.	WELL LOCATION <u>30-185-214</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	70	mi.			5.00	100.00
577		1			Pump Charge	1	ea			850.00	850.00
330		1			SMD cement	125	sk			15.00	1875.00
276		1			Floccle	50	lb			1.50	75.00
740		1			D-AIR	2	gal			35.00	70.00
581		1			Service charge	125	sk			1.50	187.50
582		1			Drayage (M.A)	1	ea			250.00	250.00

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

X Scott

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	PAGE TOTAL	3407	50
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				TOTAL	3534	76

NESS TAX @ 6.3% 127 26

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: Blaylock APPROVAL: \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 29 MAR 11 PAGE NO. 1

CUSTOMER American Water, or WELL NO. 4-30 LEASE Pablo JOB TYPE Cement annulus TICKET NO. 20556

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING ANNULES	CASING	
								125 sts SMD w/ 1/4" floate 5 1/2" x 8 3/8"
	1330							on IDC TRK114
						500		Pressure up 5 1/2" to 500 psi close in 5 1/2" casing
	1340	3 1/2	3			100		injection rate down annulus (5 1/2" x 8 3/8") 3 bbl @ 100 psi
	1400	3 1/2				200		mix cement SMD w/ 1/4" floate @ 12.4 ppg
		3 1/2	10			400		
	1420	3 1/2	49			350		Kick out 125 sts mixed
	1425					50		2 #10 - 50 psi on annulus shut in annulus
								Release pressure on casing replace Burst On Pipe
	1440							high truck annulus on VACUUM job complete
								Thanks!
								Lone, Blaine, & Dave

# **Geological Report**

American Warrior, Inc.

**Pablo #4-30**

1650' FSL & 960' FEL

Sec. 30 T18s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Pablo #4-30  
1650' FSL & 960' FEL  
Sec. 30 T18s R21w  
Ness County, Kansas  
API # 15-135-25223-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm

Spud Date: March 17, 2011

Completion Date: March 24, 2011

Elevation: 2135' Ground Level  
2141' Kelly Bushing

Directions: Bazine KS, 3/4 mi. East on Hwy 96, North 1/4 mi. on  
EE rd. West into location.

Casing: 1398' 8 5/8" surface casing  
4249' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Chris Desaire

Drillstem Tests: Two, Trilobite Testing, Inc. "Dustin Rash"

Problems: Due to oil in system from DST #1 gas detector was  
not giving correct readings for Mississippian.

Remarks: Short times were run on DST #1 due to strong  
blows.

## Formation Tops

Formation	American Warrior, Inc. Pablo #4-30 Sec. 30 T18s R21w 1650' FSL & 960' FEL
Anhydrite	1392', +749
Base	1428', +713
Heebner	3617', -1476
Lansing	3662', -1521
BKc	3981', -1840
Pawnee	4062', -1921
Fort Scott	4143', -2002
Cherokee	4161', -2120
Mississippian	4226', -2085
Osage	4240', -2099
LTD	4250', -2109
RTD	4250', -2109

## Sample Zone Descriptions

**Cherokee "A" Sand (4165', -2024):**      **Covered in DST #1**  
 Ss – Fine to medium grained, sub-rounded, poorly cemented in part, well sorted with fair to good inter-granular porosity, light to fair oil stain in porosity, slight show of free oil when broken, fair yellow cut fluorescents, 28 units hotwire.

**Mississippian Osage (4240', -2099):**      **Covered in DST #2**  
 Dolo – Δ – Fine sucrosic crystalline with poor inter-crystalline and vuggy porosity, heavy chert, triptolitic, heavily weathered with fair to good vuggy porosity, light to good oil stain in porosity, show of free oil, fair odor, good yellow cut fluorescents.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Dustin Rash"

**DST #1**

**Cherokee "A" Sand**

Interval (4155' - 4180') Anchor Length 25'

IHP	- 2032 #	
IFP	- 5" - B.O.B. 3 min.	46-91 #
ISI	- 15" - Built to 2 in.	1276 #
FFP	- 5" - B.O.B. 3 min.	104-132 #
FSI	- 15" - Built to 5 in.	1258 #
FHP	- 1992 #	
BHT	- 118°F	

Recovery:	186' GIP	
	126' MGO	80% Oil
	171' WCGO	45% Oil, 5% Water
	15' OMCW	10% Oil, 80% Water

**DST #2**

**Mississippian Osage**

Interval (4237' - 4246') Anchor Length 9'

IHP	- 2122 #	
IFP	- 45" - Built to 7.5 in.	34-70 #
ISI	- 45" - Dead	1227 #
FFP	- 45" - Built to 5.5 in.	72-93 #
FSI	- 45" - Dead	1218 #
FHP	- 2068 #	
BHT	- 120°F	

Recovery:	35' MWCO	70% Oil, 20% Water
	114' GMOCW	20% Oil, 40% Water
	62' GMOCW	20% Oil, 50% Water

## Structural Comparison

	American Warrior, Inc. Pablo #4-30 Sec. 30 T18s R21w 1650' FSL & 960' FEL	American Warrior, Inc. Pablo #2-30 Sec. 30 T18s R21w 350' FSL & 800' FEL		American Warrior, Inc. Pablo #1-30 Sec. 30 T18s R21w 335' FSL & 2175' FEL	
<b>Formation</b>					
Anhydrite	1392', +749	1379', +749	<b>FL</b>	1393', +753	<b>(-4)</b>
Base	1428', +713	1413', +715	<b>(-2)</b>	1427', +719	<b>(-6)</b>
Heebner	3617', -1476	3603', -1475	<b>(-1)</b>	3620', -1474	<b>(-2)</b>
Lansing	3662', -1521	3650', -1522	<b>(+1)</b>	3665', -1519	<b>(-2)</b>
BKc	3981', -1840	3971', -1843	<b>(+3)</b>	3986', -1840	<b>FL</b>
Pawnee	4062', -1921	4046', -1918	<b>(-3)</b>	4066', -1920	<b>(-1)</b>
Fort Scott	4143', -2002	4130', -2002	<b>FL</b>	4145', -1999	<b>(-3)</b>
Cherokee	4161', -2120	4147', -2019	<b>(-1)</b>	4165', -2019	<b>(-1)</b>
Mississippian	4226', -2085	4221', -2093	<b>(+8)</b>	4240', -2094	<b>(+9)</b>
Osage	4240', -2099	4235', -2107	<b>(+8)</b>	4258', -2112	<b>(+13)</b>

## Summary

The location for the Pablo #4-30 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted both of which recovered commercial amounts of oil from the Cherokee and Mississippian Osage Formations. After all gathered data had examined the decision was made to run 5 ½ in. production casing to further evaluate the Pablo #4-30 well.

## Recommended Perforations

<b>Primary:</b>		
Cherokee "A" Sand	(4165' – 4170')	DST #1
<b>Secondary:</b>		
Mississippian Osage	(4240' – 4248')	DST #2

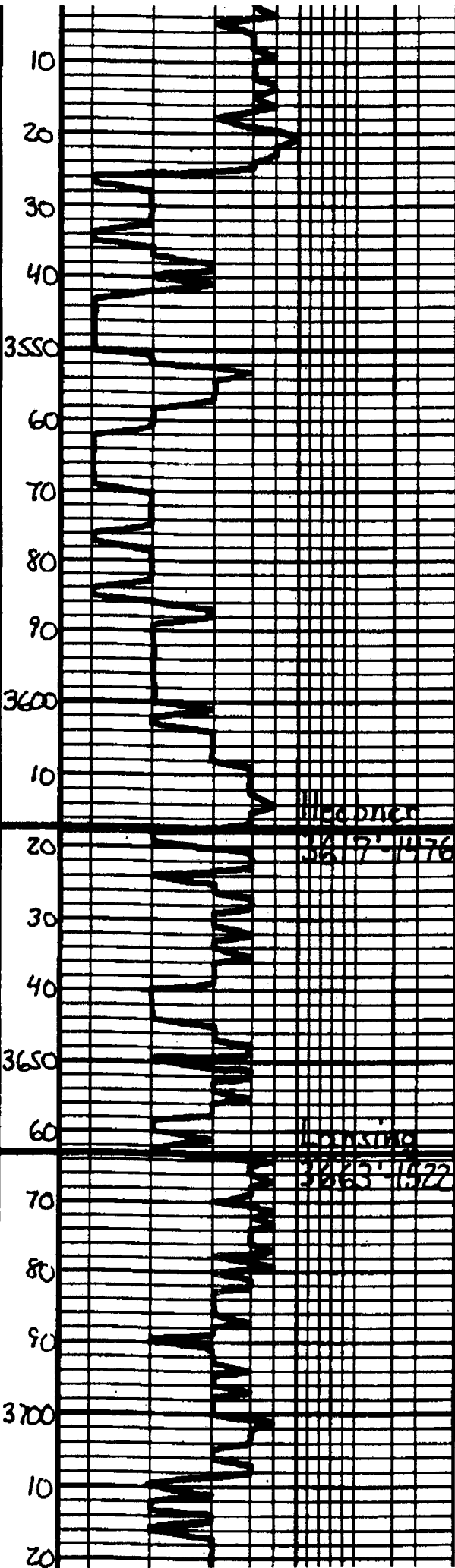
Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

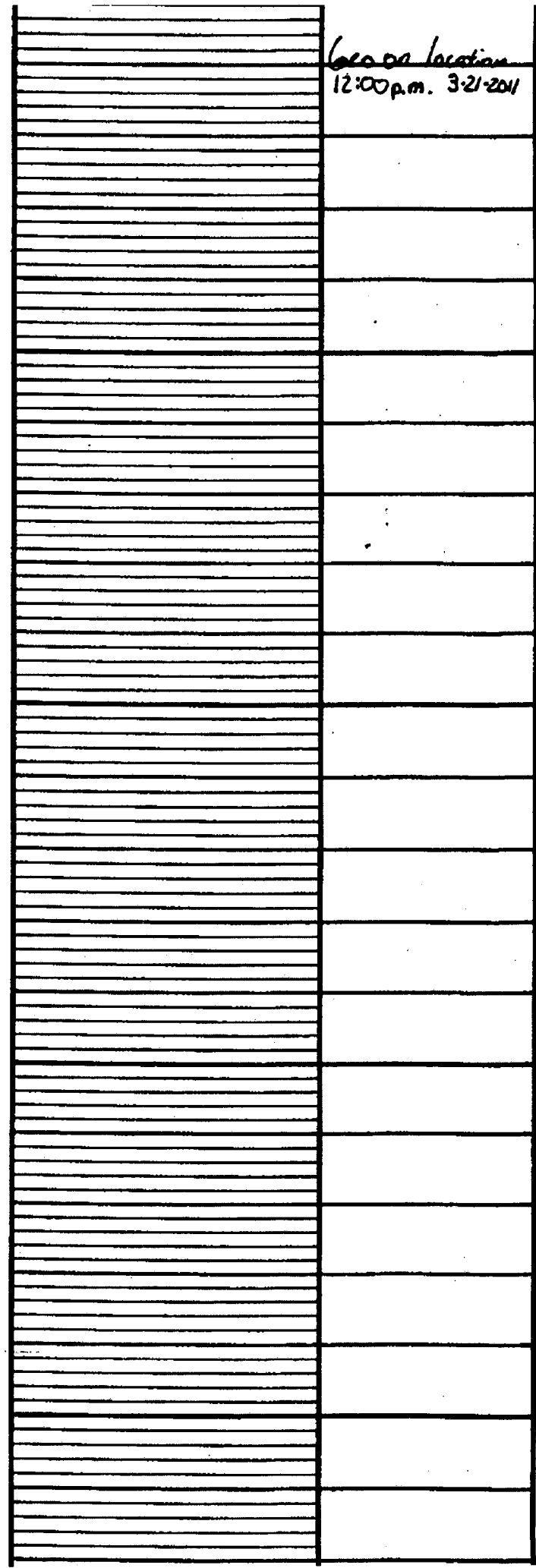




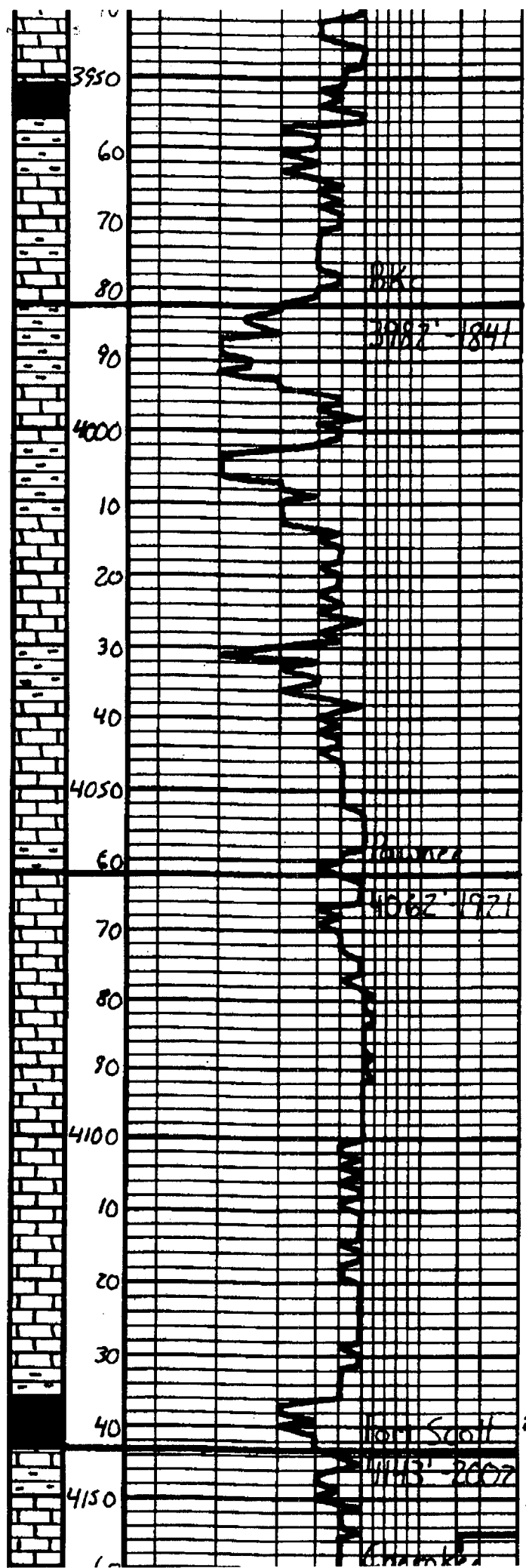




Geo on location  
12:00 p.m. 3-21-2011



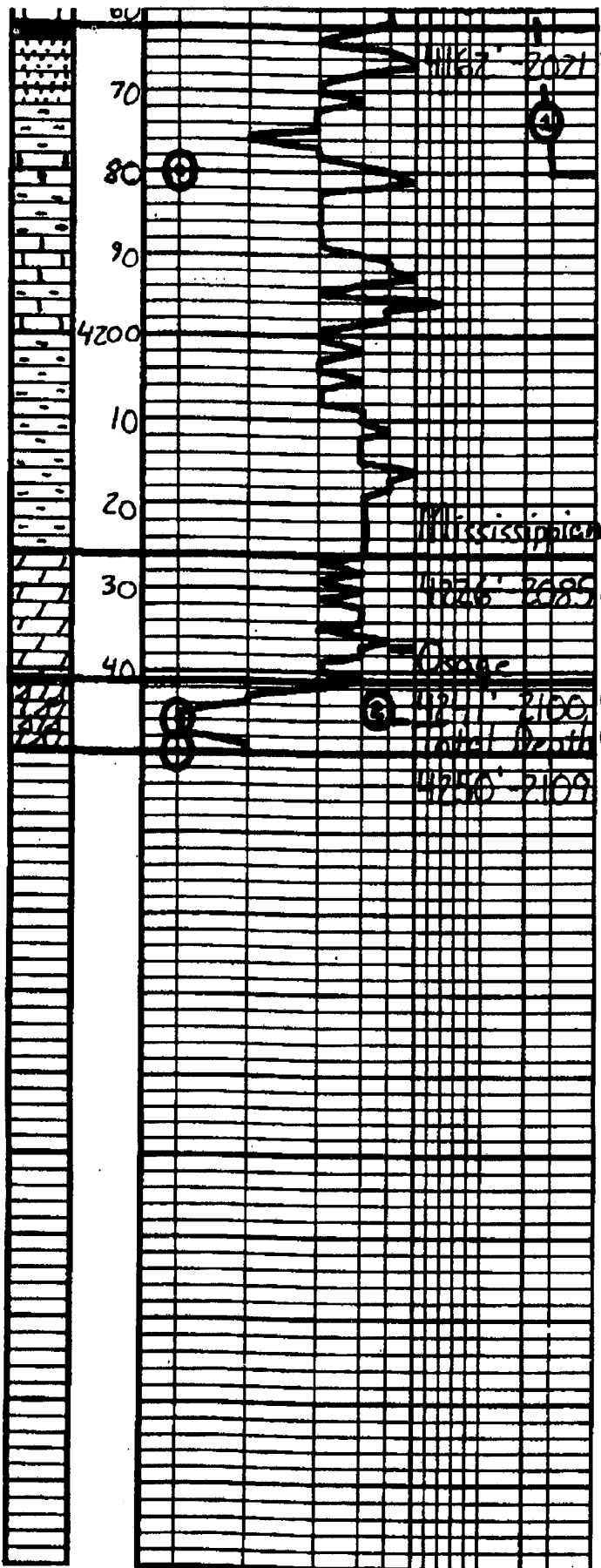




St. Clair, DNS	
Sh - 1/2" Gray - Blk	
Sh - Gray - Ben	
LS - Top - Gray - St. Mar. Lact. Substr. DNS	
LS - alc	
Sh - Gray - Ben - Ben	
LS - Tan - Lt. Gray - Substr. DNS	
Sh - Gray - Ben - Gray	
LS - Tan - Lt. Gray - Substr. DNS	
Sh - Gray - Ben	
LS - Top - Lt. Gray - Substr. DNS 4 - White - Gray	
Sh - Gray - Gray	
LS - Gray - Lt. Gray - Substr. DNS	
LS - alc	
LS - Top - Substr. DNS	
LS - alc	
LS - alc	
Sh - Blk. Carb.	
LS - Top - Lt. Gray - Substr. DNS St. Jul. Lact. Brown	

**DST #1**  
 Cherokee "A" Sand  
 4155' - 4180'  
 5° 15' - 5° 15'

IH	2032#
IF	46.91# BOB 3 min.
ISI	1275# Built to 2 in.
FF	104-132# BOB 3 min.
FSL	1258# Built to 5 in.
FN	1992#
BNT	119°F
Recovery:	



Sh. Oak Lay. 1916  
 SS. Gray. B. Med. Co. Sub.  
 Roundell. Part. L. med. size. in  
 part. Whit. sandstone. 15' oil  
 found. water. 10% oil  
 15' in. of. 15' oil. when broken.  
 15' oil. 15' oil.

LS. Tan. Gray. S. Sub. UNK

S. ala

Sh. Gray. Ben. Gen

Sh. ala. A. Vel. Whit

Dale. Oak. Whit. Co. Sub.  
 Whit. Sandstone. 15'  
 15' oil. 15' oil. 15' oil.  
 Dale. D. H. Vel. Fluor

197- Dale. Whit. L. Ben. Fluor.  
 15' oil. 15' oil. 15' oil.  
 15' oil. 15' oil. 15' oil.  
 15' oil. 15' oil. 15' oil.

136' GIP  
 126' M60  
 88% O.  
 171' M60  
 45% O., 5% Water  
 15' O.M.C.W.  
 10% O., 80% W

DST #2  
 Mississippian  
 4237'-4246'  
 45°-45°-45°-45°

IH 2122 #  
 IF 34-70 #  
 Built to 75 in.

ISS 126 #  
 Dead

FF 72-93 #  
 Built to 5.5 in.

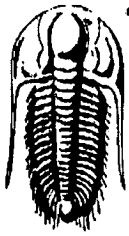
FSE 1218 #  
 Dead

EH 206 #

BNT 120° F

Recovery:  
 35' M60  
 10% O., 20% W  
 114' O.M.C.W.  
 20% O., 40% W  
 67' O.M.C.W.  
 20% O., 30% W

Respectfully,  
  
 3-28-2011



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
P.O. Box 399  
Garden City, Ks 67846  
ATTN: Jason Alm

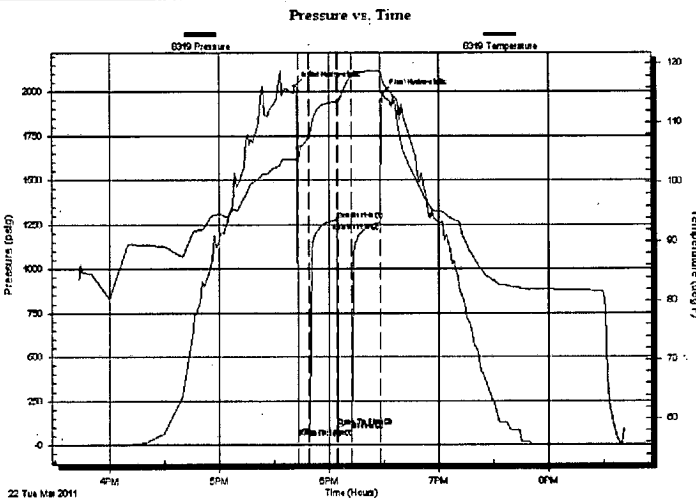
**Pablo #4-30**  
**30/18S/21W-Ness**  
Job Ticket: 42780      **DST#: 1**  
Test Start: 2011.03.22 @ 15:42:56

## GENERAL INFORMATION:

Formation: **Cherokee 'A' Sand**  
Deviated: No      Whipstock: ft (KB)  
Time Tool Opened: 17:42:56  
Time Test Ended: 20:41:26  
Interval: **4155.00 ft (KB) To 4180.00 ft (KB) (TVD)**  
Total Depth: 4180.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 47  
Reference Elevations: 2141.00 ft (KB)  
2135.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8319      Inside**  
Press@RunDepth: 131.98 psig @ 4156.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.03.22      End Date: 2011.03.22      Last Calib.: 2011.03.22  
Start Time: 15:43:01      End Time: 20:41:25      Time On Btm: 2011.03.22 @ 17:41:26  
Time Off Btm: 2011.03.22 @ 18:29:26

**TEST COMMENT:** IF-Strong building blow . B.O.B. in 3 minutes 10 seconds.  
ISI-Return @ 10 seconds. Built to 2 inches.  
FF-Strong building blow . B.O.B. in 3 minutes.  
FSI-Return @ 20 seconds. Built to 5 inches.



## PRESSURE SUMMARY

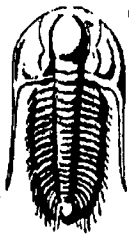
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.08	103.88	Initial Hydro-static
2	46.40	104.00	Open To Flow (1)
8	90.95	107.65	Shut-In(1)
23	1275.81	113.55	End Shut-In(1)
24	104.35	113.23	Open To Flow (2)
31	131.98	117.96	Shut-In(2)
47	1258.65	118.77	End Shut-In(2)
48	1992.62	116.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	80%Water/10%Oil/10%Mud	0.07
171.00	50%Gas/45%Oil/5%Water	1.43
126.00	80%Oil/10%Mud/10%Gas	1.77
0.00	186' G.I.P.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**Pablo #4-30**

P.O. Box 399  
Garden City, Ks 67846

**30/18S/21W-Ness**

Job Ticket: 42780

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.03.22 @ 15:42:56

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 9.17 in<sup>3</sup>  
Resistivity: 0.20 ohm.m  
Salinity: 8200.00 ppm  
Filter Cake: inches

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

Oil API: 36 deg API  
Water Salinity: 48000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	80% Water/10% Oil/10% Mud	0.074
171.00	50% Gas/45% Oil/5% Water	1.433
126.00	80% Oil/10% Mud/10% Gas	1.767
0.00	186' G.I.P.	0.000

Total Length: 312.00 ft      Total Volume: 3.274 bbl

Num Fluid Samples: 0

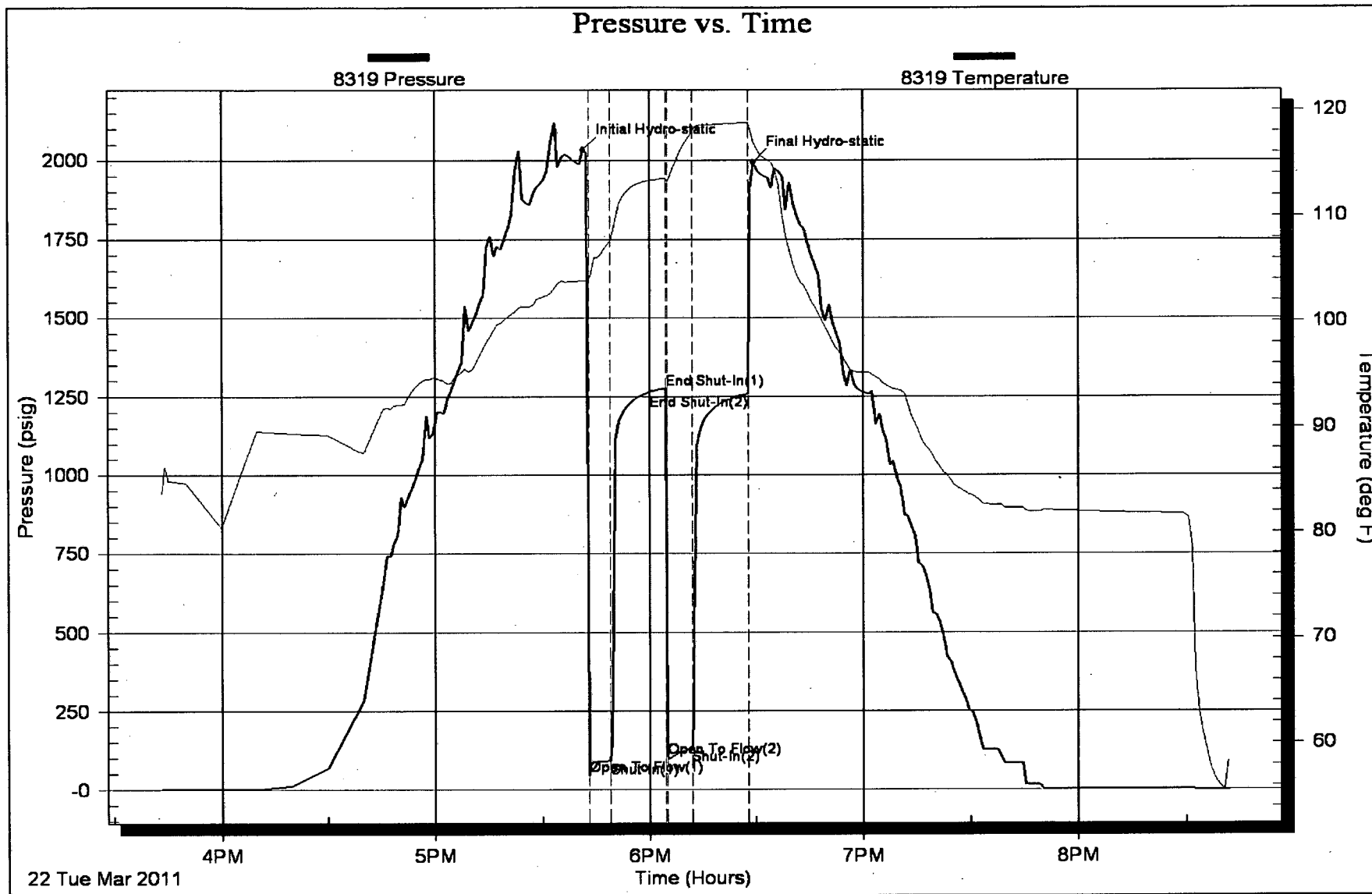
Num Gas Bombs: 0

Serial #:

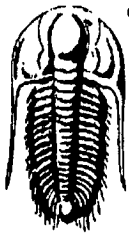
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
 P.O. Box 399  
 Garden City, Ks 67846  
 ATTN: Jason Alm

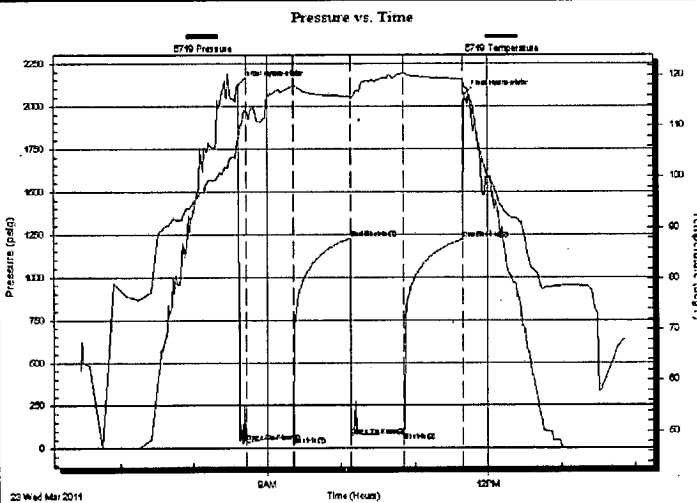
**Pablo #4-30**  
**30/18S/21W-Ness**  
 Job Ticket: 42781      **DST#: 2**  
 Test Start: 2011.03.23 @ 06:27:54

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 08:42:54  
 Time Test Ended: 13:52:54  
 Interval: **4237.00 ft (KB) To 4246.00 ft (KB) (TVD)**  
 Total Depth: 4246.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Poor  
 Test Type: Conventional Bottom Hole  
 Tester: Dustin Rash  
 Unit No: 47  
 Reference Elevations: 2141.00 ft (KB)  
 2135.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 6719      Inside**  
 Press@RunDepth: 93.32 psig @ 4238.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.03.23      End Date: 2011.03.23      Last Calib.: 2011.03.23  
 Start Time: 06:27:59      End Time: 13:52:53      Time On Btm: 2011.03.23 @ 08:36:54  
 Time Off Btm: 2011.03.23 @ 11:40:54

**TEST COMMENT:** IF-Weak building blow . Built to 7&1/2 inches.  
 IS-No Return.  
 FF-Weak building blow . Built to 5&1/2 inches.  
 FS-No Return.



## PRESSURE SUMMARY

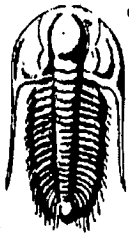
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.02	108.47	Initial Hydro-static
6	34.40	112.94	Open To Flow (1)
45	69.79	117.75	Shut-In(1)
91	1226.79	115.84	End Shut-In(1)
91	72.33	115.46	Open To Flow (2)
134	93.32	120.41	Shut-In(2)
183	1219.79	119.20	End Shut-In(2)
184	2068.26	117.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	50%W/20%O/20%G/10%M	0.30
114.00	40%W/20%O/20%G/20%M	1.06
35.00	70%O/20%W/10%M	0.49

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.  
P.O. Box 399  
Garden City, Ks 67846  
ATTN: Jason Alm

**Pablo #4-30**  
**30/18S/21W-Ness**  
Job Ticket: 42781      **DST#: 2**  
Test Start: 2011.03.23 @ 06:27:54

**Mud and Cushion Information**

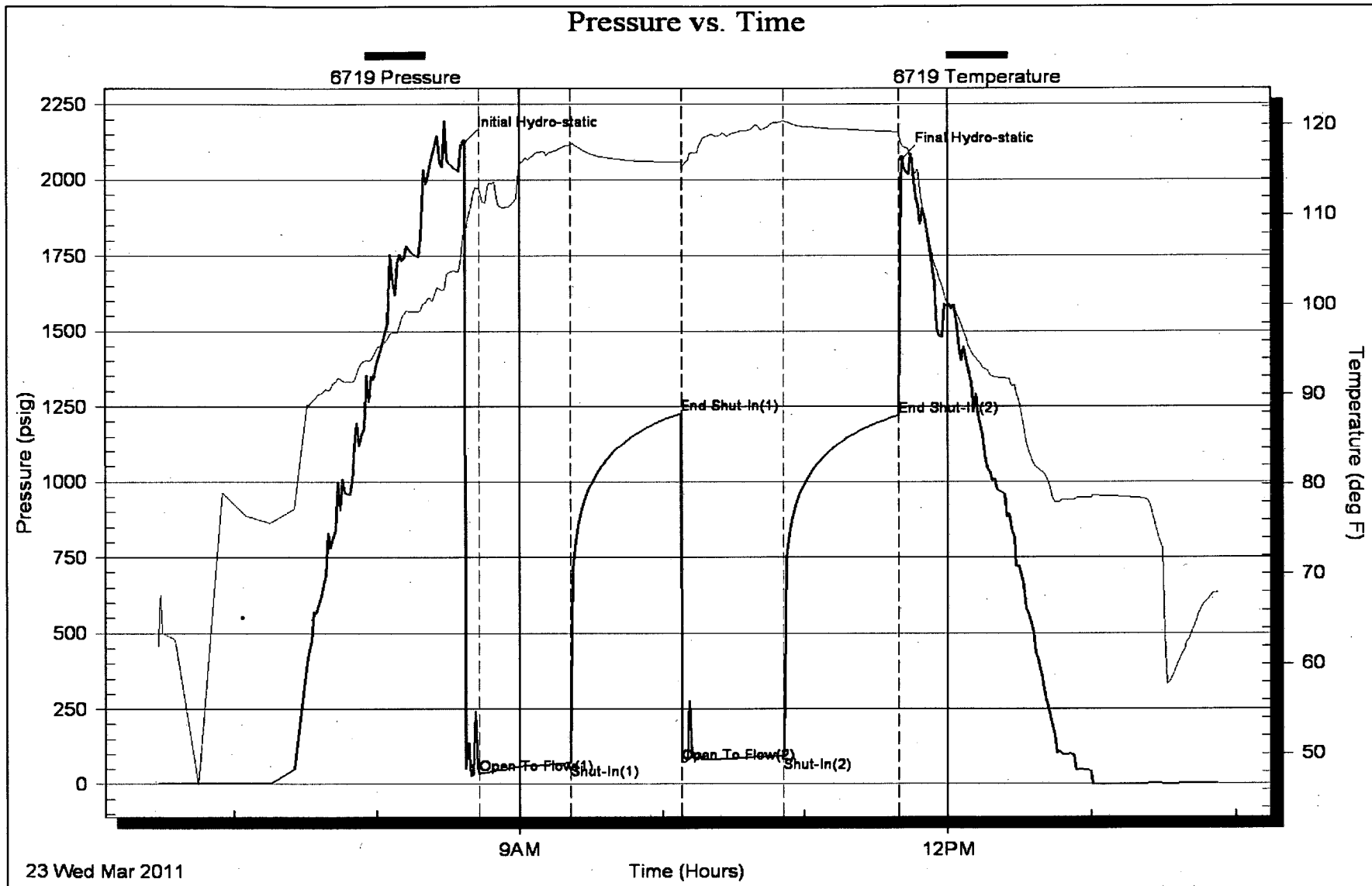
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.27 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	50%W/20%O/20%G/10%M	0.305
114.00	40%W/20%O/20%G/20%M	1.062
35.00	70%O/20%W/10%M	0.491

Total Length: 211.00 ft      Total Volume: 1.858 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



23 Wed Mar 2011