



KANSAS CORPORATION COMMISSION 1081926  
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 # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

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

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_ Date: \_\_\_\_\_



1081926

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Strecker 3-6
Doc ID	1081926

Tops

Name	Top	Datum
Anhydrite	1382	760
Heebner	3617	-1475
Lansing	3664	-1522
Base Kansas City	3990	-1848
Pawnee	4073	-1931
Ft. Scott	4150	-2008
Cherokee	4168	-2026
Mississippian	4251	-2109
TD	4259	-2117



Services, Inc.

CHANGE TO:  
ADDRESS: **Amcorral Woodruff Inc**  
CITY, STATE, ZIP CODE

TICKET  
20452

WELL PROJECT NO. **3-6**  
LEASE **STRECKER**  
COUNTY/PARISH **Ness**  
RIG NAME NO.

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

1. **Ness Creek**  
2. **3-6**  
3. **PERMITS #1**  
4. **Development**

TICKET TYPE:  SERVICE  SALES  
WELL TYPE: **Oil**  
WELL CATEGORY: **Development**  
JOB PURPOSE: **8 5/8" SURFACE**

STATE: **Ks** CITY: **HOUSTON**  
SHIPPED VIA: **ST**  
DELIVERED TO: **HOUSTON**  
WELL PERMIT NO.: **BARADE, Ks - 3/14S, EDDIS**

DATE: **11-18-11** OWNER: **same**  
ORDER NO.:  
WELL LOCATION:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DR							
575					MILEAGE # 11D	20	ME			6.00	120.00
576b					PUMP CHARGE - DEEP SURFACE	1	JOB	139	FT	1250.00	1250.00
221					HYDRA KCL	2	Gal			25.00	50.00
281					MUD FLUSH	500	Gal			1.25	625.00
401					INSERT FLIGHT W/O AUTO FALL	1	EA	85	"	250.00	250.00
409					TURBOBITERS	4	EA			100.00	400.00
410					TOP PLUG	1	EA			100.00	100.00
330					SWEET MUTE - DENSITY STABILIZED	4	25 SWS			16.50	7012.50
276					FLOCKE	100	LBS			2.00	200.00
290					D-AIR	1	Gal			35.00	175.00
581					SEPARATE CHARGE CEMENT	4	25 SWS			2.00	850.00
					DAMAGE	4	2290 LBS	4	229.9 TM	1.00	422.90

**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

DATE SIGNED: **11-18-11** TIME SIGNED: **1005**  A.M.  P.M.

SWIFT OPERATOR: **Wesley Johnson** APPROVAL: \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

REMIT PAYMENT TO:  
**SWIFT SERVICES, INC.**  
**P.O. BOX 466**  
**NESS CITY, KS 67560**  
**785-798-2300**

SURVEY:  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?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

TAX: \_\_\_\_\_  
TOTAL: \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11-18-11 PAGE NO. 1

CUSTOMER AMERICAN WADZOR INC WELL NO. 3-b LEASE STREVERT JOB TYPE 8 5/8" SURFACE TICKET NO. 20452

CHART NO.	TIME	RATE (BPM)	VOLUME (BBT/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
	1115							START 8 5/8" CASING IN WELL
								TD-1394' SET=1391'
								TP-1391' 8 5/8" 23
								ST-15'
								CENTRIZAS-1, 4, 12, 27
	1325							BREAK CIRCULATION
	1355	6 1/2	12		✓		350	PUMP 500 GAL MUD FLUSH
	1357	6 1/2	20		✓		350	PUMP 20 BRIS KCL-FLUSH
	1405	7	47		✓		350	MIX CEMENT - 100 SKS = 11.8 PP6
		7	48		✓			125 SKS = 12.5 PP6
		6 1/2	31		✓			100 SKS = 13.5 PP6
		6 1/2	26		✓		150	100 SKS = 14.5 PP6
	1428							RELEASE PLUG
	1430	7	0		✓			DISPLACE PLUG
		7	70				450	
	1442	7	<del>88</del>				1000	PLUG DOWN - SHUT IN (PS UP = 7 1/4 BRIS)
			7 1/4	BY TANK			0	RELEASE - PSE HELD (2x) (PSE UP APPX 17 BRIS ONLY)
								CIRCULATED 30 SKS CEMENT TO PET
								WASH TRUCK
	1600							JOB COMPLETE
								THANK YOU
								WAYNE, JEFF, LAWE
								APPX 255' ± CEMENT IN CASING



Services, Inc.

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

TICKET No 22449

PAGE 1 OF 2

1. SERVICE LOCATION: Quality KS WEL/PROJECT NO: 3-6 LEASE: Streckler COUNTY/PARISH: Neado STATE: KS CITY: Barine DATE: 23 Nov 11 OWNER: \_\_\_\_\_

2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: \_\_\_\_\_ RIG NAME/NO: \_\_\_\_\_ ORDER NO: \_\_\_\_\_

3. WELL TYPE: Retirement WELL CATEGORY: Development JOB PURPOSE: concrete long string SHIPPED: Y DELIVERED TO: location WEL/PERMIT NO: \_\_\_\_\_

4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: 6-95-21W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			TRR 114	25 mi					6.00	1500.00
578		1			Pump Charge	1 ea					1500.00	1500.00
402		1			Contra Sizer	5 1/2 in		5 ea	1 ea		70.00	350.00
403		1			Concret Basket	5 1/2 in		1 ea	1 ea		250.00	250.00
416		1			Katch down Pkg's baggie	5 1/2 in		1 ea	1 ea		250.00	250.00
407		1			Inset Floatsline w/ AUTO FILL	5 1/2 in		1 ea	1 ea		350.00	350.00
219		1			Rotating head rental	5 1/2 in		1 ea	1 ea		200.00	200.00

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X 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					3050.00
WE UNDERSTOOD AND MET YOUR NEEDS?					5236.75
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					8286.25
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			TAX
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
 SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: Ray M  
 Thank You!



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

TICKET CONTINUATION

TICKET No. **22449**

CUSTOMER **American Whitcor** WELL **Stalwe** 3-6 DATE **23 Nov 11** PAGE **21 of 2**

LINE NO.	DESCRIPTION	QTY	UNIT	WELL	DATE	PRICE	TOTAL
325	STANDARD COUNT (FOR EA-2)	1		17534	1350	2362.50	
284	colscale	1		80016	35.00	280.00	
283	SOLD+	1		90016	0.80	180.00	
292	load - 322	1		12516	7.75	968.75	
276	Fluoride	1		5016	2.00	100.00	
281	MUDFALSH	1		52161	1.25	625.00	
281	KCL liquid	1		2461	25.00	50.00	
290	D-AIR	1		2161	35.00	70.00	
582	Drays (min)	1			250.00	250.00	
581	SEVICE PRDCE	1			250.00	250.00	
	TON WEIGHT						
	LOADED MILES						
	CUBIC FEET						
	TON MILES						

5236.25

JOB LOG

SWIFT Services, Inc.

DATE 23 NOV 11 PAGE NO.

CUSTOMER American Warrior WELL NO. 3-6 LEASE Strecker JOB TYPE cement log string TICKET NO. 22449

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 w/ 1/4" #Floccle
								5 1/2" 15.5# casing RTD. 4259 102 jts
								total pipe 4260' string + 42 11'
								Conduits 1, 2, 3, 4, 80 Basket "5
								no part collar
	2000							on 1st TRK 114
	2000							start 5 1/2" 15.5# casing in well
	2215							Drop ball - circulate - ROTATE
	2240	4 3/4	12				200	Pump 500 gal mud flush
		4 3/4	20				200	Pump 20 bbl KCL flush
	2245		7					Plug RH 30 bbls
	2250	4 3/4	35				250	Mix EA-2 cement 143 bbls @ 153 PPG
	2303							Drop latch down plug
								wash out pump & line
	2315	6 3/4					250	Displace plug
		6 3/4	90				850	
	2330	6 3/4	100				1500	Land plug
								Release pressure to truck - dried up
	2345							wash truck
								Rack up
								job complete
								Thanks
								Blaine Joe & Dave

ANNEX 2011  
0010





Services, Inc.

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

TICKET No 22502

PAGE 1 OF 1

SERVICE LOCATIONS: *Wellby KS* WELL PROJECT NO: *3-6* LEASE: *Stetler* COUNTY/PARISH: *Ando* STATE: *KS* CITY: *Bazine* DATE: *29 Nov 11* OWNER: \_\_\_\_\_  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: \_\_\_\_\_ RIG NAME/NO: \_\_\_\_\_ SHIPPED:  DELIVERED TO: \_\_\_\_\_ ORDER NO: \_\_\_\_\_  
 WELL TYPE: \_\_\_\_\_ WELL CATEGORY: *Development* JOB PURPOSE: *concrete backside* WELL PERMIT NO: \_\_\_\_\_ WELL LOCATION: *6-195-2102*  
 REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>					MILEAGE TRV 114	<i>20</i>	<i>mi</i>			<i>6.02</i>	<i>120.00</i>
<i>5765</i>					Pump Charge	<i>1</i>	<i>ea</i>			<i>1000.00</i>	<i>1000.00</i>
<i>330</i>					SMD cement	<i>125</i>	<i>bk</i>			<i>16.50</i>	<i>2062.50</i>
<i>276</i>					Flare	<i>25</i>	<i>lb</i>			<i>2.00</i>	<i>50.00</i>
<i>290</i>					D-AIR	<i>2</i>	<i>pod</i>			<i>35.00</i>	<i>70.00</i>
<i>581</i>					Service Charge	<i>125</i>	<i>sk</i>			<i>2.00</i>	<i>250.00</i>
<i>582</i>					Dragee (min)	<i>1</i>	<i>ea</i>			<i>250.00</i>	<i>250.00</i>

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED: *Scott* TIME SIGNED: *1:20*  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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 checked="" type="checkbox"/> YES		<input type="checkbox"/> NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<i>3802</i>	<i>50</i>
TOTAL	<i>3940</i>	<i>00</i>

SWIFT OPERATOR: *AB* APPROVAL: \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_  
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 29 NOV 11 PAGE NO.

CUSTOMER American Warrior WELL NO. 3-6 LEASE Stracker JOB TYPE Cement backside TICKET NO. 22502

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD w/ 1/4" Floale
								5 1/2 casing - 8 1/2
								plug down 8 1/2
	1050							on loc TRK 114
	1115						500	pressure 5 1/2 to 500psi - close in
	1120	1 1/4	51				500	MIX SMD cement @ 12.2 ppg
			1					plug 1 bbl H2O
								close in 8 1/2
								release pressure from 5 1/2
								wash truck
								RACK UP
								job complete
								THANK
								Joe, Dave & Blake

# **Geological Report**

American Warrior, Inc.

**Strecker #3-6**

2500' FSL & 810' FWL

Sec. 6 T19s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Strecker #3-6  
2500' FSL & 810' FWL  
Sec. 6 T19s R21w  
Ness County, Kansas  
API # 15-135-25313-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm

Spud Date: November 16, 2011

Completion Date: November 23, 2011

Elevation: 2136' Ground Level  
2142' Kelly Bushing

Directions: Bazine KS, from the south side of town, South on  
DD rd. 7/8 mi. East into location

Casing: 1391' 8 5/8" surface casing  
4258' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Brett Dickinson"

Problems: None

Remarks: None

## Formation Tops

	<b>American Warrior, Inc.</b> <b>Strecker #3-6</b> <b>Sec. 6 T19s R21w</b> <b>2500' FSL &amp; 810' FWL</b>
<b>Formation</b>	
Anhydrite	<b>1382', +760</b>
Base	<b>1416', +726</b>
Heebner	<b>3617', -1475</b>
Lansing	<b>3664', -1522</b>
BKc	<b>3990', -1848</b>
Pawnee	<b>4073', -1931</b>
Fort Scott	<b>4150', -2008</b>
Cherokee	<b>4168', -2026</b>
Mississippian	<b>4251', -2109</b>
RTD	<b>4259', -2117</b>

## Sample Zone Descriptions

**Mississippian Osage (4251', -2109):**      **Covered in DST #1**  
 Dolo – Δ – Fine sucrosic crystalline with fair to good vuggy porosity, heavy chert, triptolitic, weathered with fair to good vuggy porosity, light to fair oil stain in porosity, show of free oil, good odor, fair to good yellow fluorescents, 65 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.  
 "Brett Dickinson"

**DST #1**      **Mississippian Osage**  
 Interval (4199' – 4259') Anchor Length 60'  
 IHP    – 2078 #  
 IFP    – 15" – B.O.B. 9 ½ min.      30-110 #  
 ISI    – 30" – W.S.B.      1140 #  
 FFP    – 15" – Built to 6 ½ in.      117-153 #  
 FSI    – 30" – W.S.B.      1113 #  
 FHP    – 2006 #  
 BHT    – 116°F

Recovery:    60' GIP  
                   240' VSGOCM      10% Oil  
                   60' VSGWMCO      55% Oil, 10% Water

## Structural Comparison

	American Warrior, Inc. Strecker #3-6 Sec. 6 T19s R21w 2500' FSL & 810' FWL	American Warrior, Inc. Strecker #1-6 Sec. 6 T19s R21w 2280' FNL & 995' FWL		American Warrior, Inc. Strecker #2-6 Sec. 6 T19s R21w 2310' FSL & 1500' FWL	
<b>Formation</b>					
Anhydrite	<b>1382', +760</b>	1381', +763	<b>(-3)</b>	1406', +768	<b>(-8)</b>
Base	<b>1416', +726</b>	NA	<b>NA</b>	1442', +732	<b>(-6)</b>
Heebner	<b>3617', -1475</b>	3619', -1475	<b>FL</b>	3645', -1471	<b>(-4)</b>
Lansing	<b>3664', -1522</b>	3662', -1518	<b>(-4)</b>	3692', -1517	<b>(-5)</b>
BKc	<b>3990', -1848</b>	NA	<b>NA</b>	NA	<b>NA</b>
Pawnee	<b>4073', -1931</b>	4070', -1926	<b>(-5)</b>	4101', -1927	<b>(-4)</b>
Fort Scott	<b>4150', -2008</b>	4148', -2004	<b>(-4)</b>	4180', -2006	<b>(-2)</b>
Cherokee	<b>4168', -2026</b>	4168', -2024	<b>(-2)</b>	4200', -2026	<b>FL</b>
Mississippian	<b>4251', -2109</b>	4248', -2104	<b>(-5)</b>	4277', -2103	<b>(-6)</b>

## Summary

The location for the Strecker #3-6 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 1/2 inch production casing to further evaluate the Strecker #3-6 well.

## Recommended Perforations

**Mississippian Osage:                   (4251' – 4259')                   DST #1**

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.





## DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399  
Garden City, KS 67846

ATTN: Jason Alm

### **Strecker #3-6**

### **6-19s-31w Ness,KS**

Start Date: 2011.11.23 @ 05:40:37

End Date: 2011.11.23 @ 12:18:07

Job Ticket #: 46201                      DST #: 1

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

Printed: 2011.11.30 @ 14:22:28





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**6-19s-31w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Strecker #3-6**

Job Ticket: 46201

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.11.23 @ 05:40:37

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:43:37

Time Test Ended: 12:18:07

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 47

**Interval: 4199.00 ft (KB) To 4259.00 ft (KB) (TVD)**

Reference Elevations: 2142.00 ft (KB)

Total Depth: 4259.00 ft (KB) (TVD)

2136.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6753 Inside**

Press @ Run Depth: 153.27 psig @ 4203.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.23

End Date:

2011.11.23

Last Calib.:

2011.11.23

Start Time: 05:40:42

End Time:

12:18:06

Time On Btm:

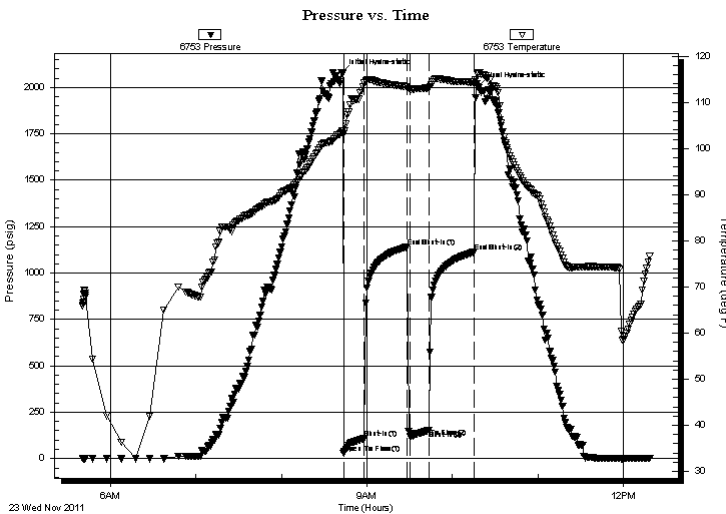
2011.11.23 @ 08:42:37

Time Off Btm:

2011.11.23 @ 10:17:37

**TEST COMMENT:** IF-BOB in 9.5 min  
ISI-weak surface blow died in 20 min  
FF-6.5" blow  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.01	103.90	Initial Hydro-static
1	30.17	103.24	Open To Flow (1)
16	110.28	114.22	Shut-In(1)
46	1140.62	113.43	End Shut-In(1)
48	117.63	112.85	Open To Flow (2)
61	153.27	113.15	Shut-In(2)
93	1113.67	114.43	End Shut-In(2)
95	2006.37	116.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSGWMCO 5%G 55%O 10%W 30%M	0.30
240.00	VSGOCM 5%G 10%O 85%M	2.78
0.00	60ft GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**6-19s-31w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Strecker #3-6**

Job Ticket: 46201

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.11.23 @ 05:40:37

## Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 3.80 inches	Volume: 56.98 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4199.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4172.00	
Shut In Tool	5.00			4177.00	
Hydraulic tool	5.00			4182.00	
Jars	5.00			4187.00	
Safety Joint	2.00			4189.00	
Packer	5.00			4194.00	28.00 Bottom Of Top Packer
Packer	5.00			4199.00	
Stubb	1.00			4200.00	
Perforations	2.00			4202.00	
Change Over Sub	1.00			4203.00	
Recorder	0.00	6753	Inside	4203.00	
Recorder	0.00	8319	Outside	4203.00	
Blank Spacing	32.00			4235.00	
Change Over Sub	1.00			4236.00	
Perforations	20.00			4256.00	
Bullnose	3.00			4259.00	60.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>88.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**6-19s-31w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Strecker #3-6**

Job Ticket: 46201

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.11.23 @ 05:40:37

## 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:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	VSGWMCO 5%G 55%O 10%W 30%M	0.295
240.00	VSGOCM 5%G 10%O 85%M	2.784
0.00	60ft GIP	0.000

Total Length: 300.00 ft      Total Volume: 3.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

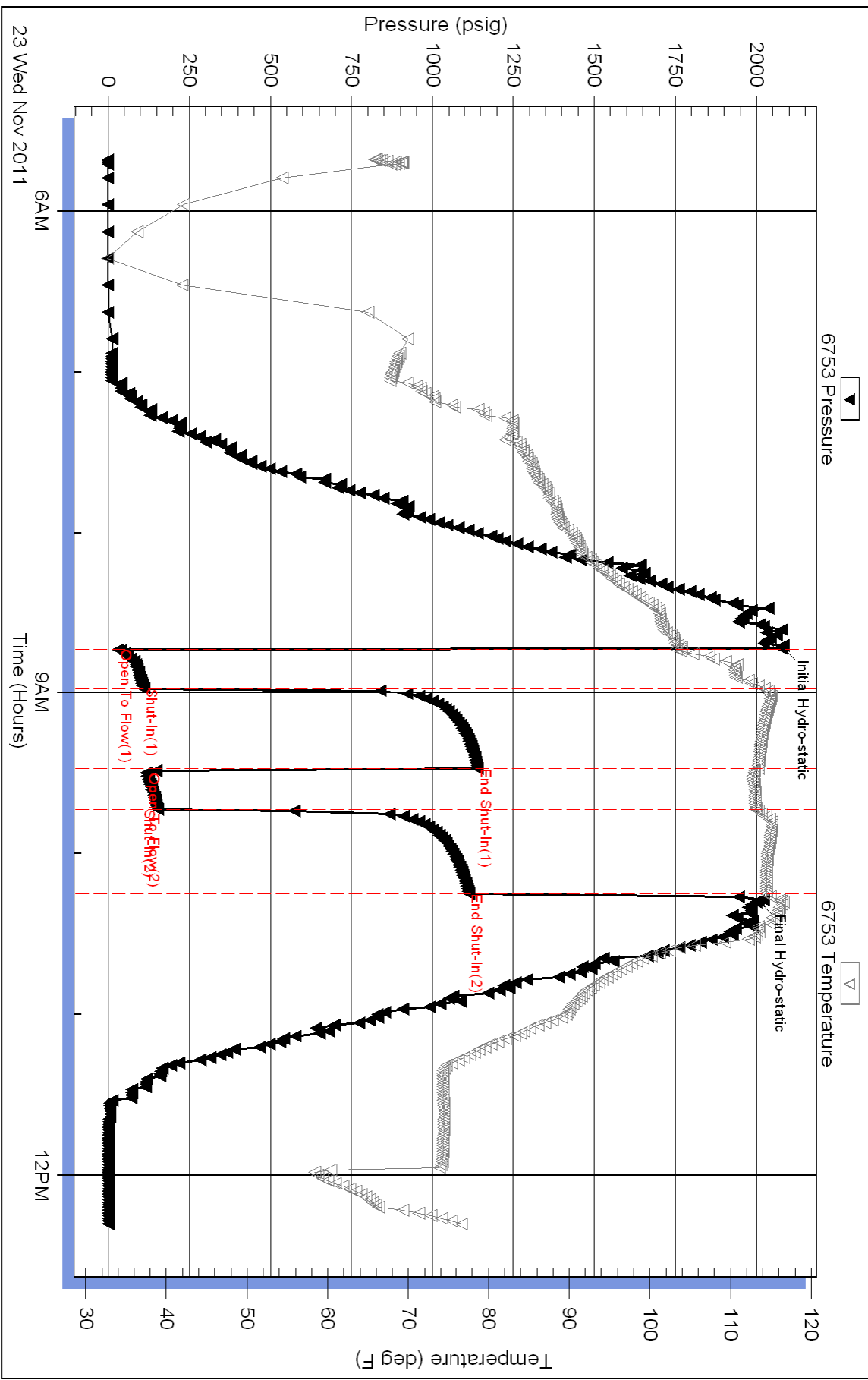
Inside

American Warrior, Inc.

Streaker #3-6

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46201

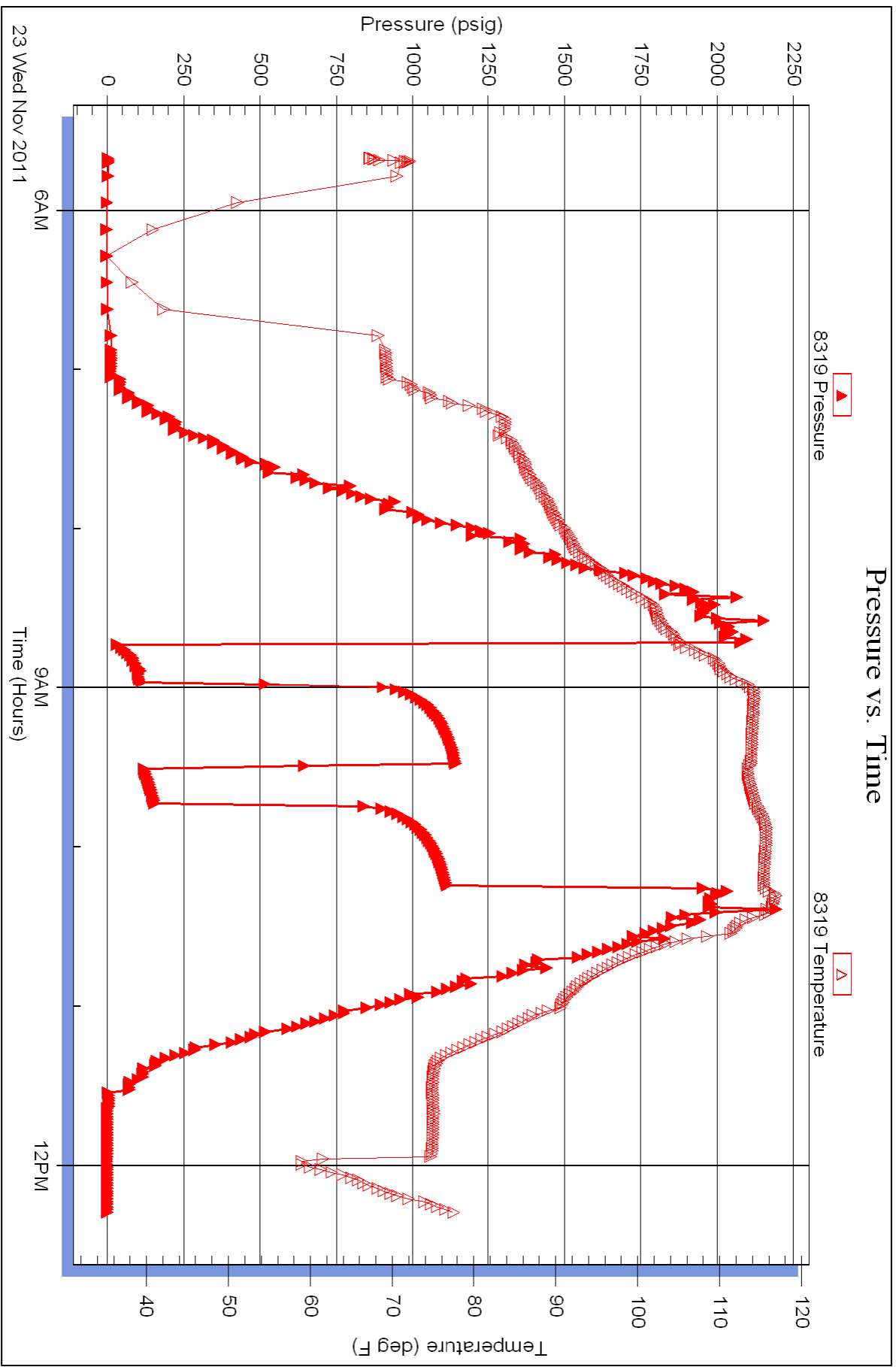
Printed: 2011.11.30 @ 14:22:30

Serial #: 8319

Outside American Warrior, Inc.

Streaker #3-6

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 23 2011  
BY: \_\_\_\_\_

## Test Ticket

NO. 46201

Well Name & No. Strecker #3-6 Test No. 1 Date 11/23/11  
 Company American Warrior, Inc. Elevation 2142 KB 2136 GL  
 Address PO BOX 399 Garden City KS 67846  
 Co. Rep/Geo. Jason Alm Rig Petroment #1  
 Location: Sec. 6 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4199 - 4259 Zone Tested Miss  
 Anchor Length 60 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.0  
 Top Packer Depth 4194 Drill Collars Run 124 Vis 46  
 Bottom Packer Depth 4199 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4259 Chlorides 8700 ppm System LCM \_\_\_\_\_  
 Blow Description FF - BOB in 9 1/2 min  
ISI - weak surface blow died in 20 min  
FF - 6 1/2 in blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>VS6 OCM</u>	<u>5</u>	<u>10</u>	<u>85</u>	<u>0</u>
<u>60</u>	<u>VS6 W MCO</u>	<u>5</u>	<u>35</u>	<u>10</u>	<u>30</u>
____	<u>60A CIP</u>	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 300 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,078  Test 1225 T-On Location 5:20  
 (B) First Initial Flow 30  Jars 250 T-Started 5:40  
 (C) First Final Flow 110  Safety Joint 75' T-Open 8:40  
 (D) Initial Shut-In 1,141  Circ Sub \_\_\_\_\_ T-Pulled 10:10  
 (E) Second Initial Flow 118  Hourly Standby \_\_\_\_\_ T-Out 12:15  
 (F) Second Final Flow 153  Mileage 52 x 2 104 RT 145.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,114  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,006  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 11695.60  
 Final Flow 15  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 11695.60

Approved By \_\_\_\_\_ Our Representative Burt Dick

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