

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
June 2009  
**Form Must Be Typed  
Form must be Signed  
All blanks must be Filled**

OPERATOR: License # 4058  
Name: American Warrior Inc.  
Address 1: P.O. Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: Ks. Zip: 67846  
Contact Person: Jody Smith  
Phone: (620) 275-2963  
CONTRACTOR: License # 5929  
Name: Duke Drilling Co. Inc.  
Wellsite Geologist: Harley Sayles  
Purchaser: Plains Marketing LP.  
Designate Type of Completion:

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- 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 #: \_\_\_\_\_  
3/27/12      4/4/12      5/7/12  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 083-21765-0000  
Spot Description: SE SW NE NW Sec. 9 Twp. 24 S. R. 21  East  West  
1,100 1087 Feet from  North /  South Line of Section  
1,700 1679 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner: GPS-KCC  
 NE  NW  SE  SW  
County: Hodgeman  
Lease Name: Family Farm Well #: 1-9  
Field Name: Saw Log Creek Southeast  
Producing Formation: Altamont  
Elevation: Ground: 2362' Kelly Bushing: 2370  
Total Depth: 4660' Plug Back Total Depth: 4656  
Amount of Surface Pipe Set and Cemented at: 224' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1400 Feet  
If Alternate II completion, cement circulated from: 1400  
feet depth to: surface w/ 100 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 15,000 ppm Fluid volume: 30 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter: 1 Sec. 1 Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.  
Signature: [Signature]  
Title: Foreman Date: 5/7/12

**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: Dlg Date: 5/22/12

Operator Name: American Warrior Inc. Lease Name: Family Farm Well #: 1-9  
 Sec. 9 Twp. 24 S. R. 21  East  West County: Hodgeman

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
 (If no, Submit Copy)

Name	Formation (Top), Depth and Datum	
	Top	Datum
Anhy	1450'	+920
B/Anhy	1481'	+889
Heebner	3962'	-1592
Lansing	4060'	-1690
B/KC	4409'	-2039
Marmaton	4432'	-2062
Altamont	4447'	-2077

List All E. Logs Run:  
**Micro, Porosity, Induction & Bond.**

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	121/4	85/8	23#	224'	Class A	160	3%CC, 2%gel
Production	77/8	51/2	17#	4656'	EA-2	125sx	

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

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	4448'to 4454'	500 gal 15%MCA	

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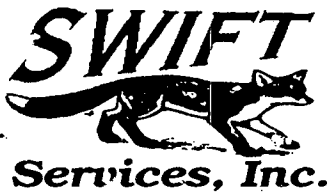
TUBING RECORD:	Size: <u>23/8</u>	Set At: <u>4652'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>NA</u>	Producing Method: <input type="checkbox"/> Flowing <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>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4448'to4454'</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202





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

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TICKET No 22138

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>1-9</b>	LEASE <b>FAMILY FARMS</b>	COUNTY/PARISH <b>HODGEMAN</b>	STATE <b>KS</b>	CITY <b>HANSTON, KS</b>	DATE <b>4 APR 12</b>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>DUKE DRILLING RIG #8</b>	RIG NAME/NO.	SHIPPED VIA	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>8S, 4E, 2S, 1/2 E S1/4</b>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	45		mi		6.00	270.00
578					Pump CHARGE	1	4656	PG		1500.00	1500.00
402					CENTRALIZERS	8		EA		70.00	560.00
403					CEMENT BASKETS	2		EA		250.00	500.00
404					PORT COLLAR	1	1400	FT		2400.00	2400.00
405					FORMATION PACKER SHOE	1		EA		1400.00	1400.00
406					LATCH DOWN PLUG & BAFFLE	1		EA		250.00	250.00
281					MUD FLUSH	500		gal		1.25	625.00
221					LIQUID KCL	2		gal		25.00	50.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

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

X *[Signature]*  
 DATE SIGNED **4 APR 12** TIME SIGNED **2015**  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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	7555.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	4703.65
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	12258.65
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7.45%	724.62
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	12,983.27
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT OPERATOR *[Signature]*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL *[Signature]*

Thank You!



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

TICKET CONTINUATION

TICKET No. 22138

CUSTOMER: AMERICAN WARRIOR  
WELL: FAMILY FARMS 1-9  
DATE: 4 APR 12  
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		RECEIVED	MAY 03 2012	KCC WICHITA	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	UM.				QTY.	UM.	UNIT PRICE	AMOUNT
276						FLOCELE	44	lbs				2	100	88	1812
283						SALT	900	lbs					120	180	1812
284						CALSEAL	8	bx				35	18	280	1812
292						HALAD 322	124	lbs				7	175	961	1812
290						D-AIR	2	gal				35	100	70	1812
325						STANDARD CEMENT EA-2	175	bx				13	50	2362	50
581						SERVICE CHARGE						2	100	350	00
583						MILEAGE CHARGE	185	lb				1	100	412	15
											CONTINUATION TOTAL		4703		65

JOB LOG

SWIFT Services, Inc.

DATE 4 APR 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE FAMILY FARMS 1-9

JOB TYPE 5 2 LONGSTRING

TICKET NO. 22138

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							ON LOCATION
	1600							START PIPE 5 1/2 - 17 # RTD @ 4662 SET @ 4656 CENTRALIZERS 1, 2, 4, 6, 8, 10, 12, 77 BASKETS 6, 78 PORT COLLAR # 78 @ 1400
	1823				✓		1100	SET PACKER SHOE CIRCULATE
	1900	6	12		✓		400	Pump 500 gal MUD FLUSH
		6	20		✓		400	Pump 20 BBR KCL FLUSH
	1910		7.5					PLUG RA-MH (30SX-20SX)
	1914	4	30		✓			MIX 125 SX EA2
	1927							WASH OUT PUMPING LINES.
	1929	6			✓			START DISPLACEMENT
	1947				✓		1500	PLUG DOWN PSI UP LATCH PLUG IN.
	1949							WASH TRUCK
	2015							JOB COMPLETE

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THANKS #110

MAY 08 2012

JASON JEFF TJ ISAAC KCC WICHITA



JOB LOG

SWIFT Services, Inc.

DATE 4-18-12 PAGE NO.

CUSTOMER *AWI* WELL NO. *1-9* LEASE *Family Farm* JOB TYPE *Convent Test Cellar* TICKET NO. *21471*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							On location - Trying to find P.C. @ 100'
	1415							P.C. Located @ 1400?
	1430					1000	1000	Test P.C. closed - OK
		3	3			0	700	Open P.C. - initiate
			<del>3</del> 5				<del>1000</del>	Heart to hbq. - Start H.C. down pump
<i>KCC WICHITA</i>		3				700		Start SWD cont
			75			200		CIP cont @ 8L SRS - run to 15'
<i>MAY 08 2012</i>			57			<del>100</del> 100		Fin cont - Displ 1 BBL H.C.
<i>RECEIVED</i>						1000	1000	close PC & Test closed OK
								Rig run 5 Jts
		2	<del>5</del> 9				200	Run - out 2 Pass clean
		2	95				200	Fin run - out
								Job Complete
	11:00							Washing PT / Flackup
								2L SRS cont @ 11.7" to Pet
								<i>Thanks</i> Liam + P. Row + John
								100 ST Total used



# **Geological Report**

**American Warrior Inc.  
Family Farm #1-9  
1100' FNL & 1700' FWL  
Sec. 9 T24s R21w  
Hodgeman County, Kansas**



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**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Family Farm #1-9  
1100' FNL & 1700' FWL  
Sec. 9 T24s R21w  
Hodgeman County, Kansas  
API # 15-083-21765-0000

Drilling Contractor: Duke Drilling Co. Rig #8

Geologist: Harley Sayles

Spud Date: March 27, 2012

Completion Date: April 3, 2012

Elevation: 2362' Ground Level  
2370' Kelly Bushing

Directions: Hanston KS, 7.9 mi South on Spearville Rd, 4 mi  
East on H Rd, 2 mi South on 232 Rd, 0.5 mi East on  
F Rd, 0.1 mi South into location

Casing: 23# 8 5/8" surface casing @ 224, 17# 5 1/2"  
production casing set @ 4656

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

Drilling Time: 3850' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual  
Compensated Porosity

Drillstem Tests: Three, "Andy Carreira"

Problems: None

Remarks: None

## Formation Tops

Formation	American Warrior, Inc. Family Farm #1-9 Sec. 9 T24s R21w 1100' FNL & 1700' FWL
Anhydrite	1450', +920
Base	1481', +889
Heebner	3962', -1592
Douglas	3988', -1618
Lansing	4060', -1690
Stark	4289', -1919
BKc	4409', -2039
Marmaton	4432', -2062
Altamont "A"	4447', -2077
Pawnee	4532', -2162
Fort Scott	4578', -2208
Cherokee	4604', -2234
Mississippian	4650', -2280
Osage	4656', -2286
LTD	4662', -2292

## Sample Zone Descriptions

### Altamont "A"

**(4447', -2077): Covered in DST #1**  
 Ls- Tan, fine to medium crystalline, poor to fair inter-crystalline porosity, pinpoint vuggy porosity, slight show of free oil, slight odor dies quickly, yellow florescence, scattered saturation and stain, 103 units hotwire

### Warsaw

**(4650', -2280): Covered in DST #2 & #3**  
 Dolo- Cream to tan, fine to sub crystalline, poor intercrystalline porosity, scattered pinpoint vuggy porosity, good show of free oil, good odor, bright yellow florescence, light to good saturation and stain, dense, 33 units hotwire

### Osage

**(4656', -2286): Covered in DST #2 & #3**  
 Δ-Dolo- White to tan, fine sucrosic crystalline, good intercrystalline porosity, white heavily weathered tripolitic chert some fresh, white to yellow, slight show of free oil, good odor, bright yellow florescence, light to good saturation and stain, 33 units hotwire

**Drill Stem Tests**  
Trilobite Testing Inc.  
"Andy Carreira"

**DST #1**      **Altamont "A"**

Interval (4417' – 4460') Anchor Length 43'

IHP	- 2246 #	
IFP	- 30" – BOB 18 min	28-42 #
ISI	- 45" – no return	317 #
FFP	- 45" – BOB 1 min	47-62 #
FSIP	- 60" – no return	331 #
FHP	- 2106 #	
BHT	- 115 °F	

Recovery:    50' HOCGM (25% Gas, 30% Oil, 45% Mud)  
                  60' HOCGM (10% Gas, 30% Oil, 60% Mud)

**DST #2**      **Mississippian Warsaw and Osage**

Interval (4622' – 4658') Anchor Length 36'

IHP	- 2319 #	
IFP	- 30" – Weak surface blow	19-24 #
ISI	- 30" – no return	1287 #
FFP	- 10" – no blow	26-28 #
FHP	- 2227 #	
BHT	- N/A °F	

Recovery:    30' GIP  
                  30' SOSM

**DST #3**      **Mississippian Warsaw and Osage**

Interval (4623' – 4662') Anchor Length 39'

IHP	- 2312 #	
IFP	- 30" – Weak surface blow	20-29 #
ISI	- 30" – no return	1215 #
FFP	- 10" – no blow	31-33 #
FHP	- 2238 #	
BHT	- 106 °F	

Recovery:    35' SOSM

## Structural Comparison

	American Warrior, Inc. Family Farm #1-9 Sec. 9 T24s R21w 1100' FNL & 1700' FWL	J.W. Hersberger Strecker A #2 Sec. 9 T24s R21w 660' FNL & 1980' FWL		American Warrior, Inc. Strecker Unit #1-9 Sec. 9 T24s R21w 112' F2L & 1430' FWL	
<b>Formation</b>					
Anhydrite	1450', +920	1443', +924	(-4)	1447', +926	(-6)
Base	1481', +889	N/A	N/A	1479', +894	(-5)
Heebner	3962', -1592	3955', 1588	(-4)	3956', -1583	(-9)
Douglas	3988', -1618	3982', -1615	(-3)	3982', -1609	(-9)
Lansing	4060', -1690	4052', -1685	(-5)	4055', -1682	(-8)
Stark	4289', -1919	4288', -1921	(+2)	4288', -1915	(-4)
BKc	4409', -2039	4403', -2036	(-3)	4396', -2023	(-16)
Marmaton	4432', -2062	4425', -2058	(-4)	4416', -2043	(-19)
Altamont "A"	4447', -2077	4443', -2076	(-1)	4435', -2062	(-15)
Pawnee	4532', -2162	4528', -2161	(-1)	4522', -2149	(-13)
Fort Scott	4578', -2208	4573', -2206	(-2)	4569', -2196	(-12)
Cherokee	4604', -2234	4597', -2230	(-4)	4592', -2219	(-15)
Mississippian	4650', -2280	4636', -2269	(-11)	4629', -2256	(-24)
Osage	4656', -2286	4649', -2281	(-5)	4637', -2264	(-22)
LTD	4662', -2292				

## Summary

The location for the Family Farm #1-9 well was found via 3-D seismic survey. The new well ran structurally slightly lower than expected via the survey. The three drill stem tests which were conducted, one of which recovered commercial amounts of oil. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Family Farm #1-9.

## Recommended Perforations

**Primary:**

Altamont "A"

(4448' - 4454')

DST #1

**Secondary:**

Mississippian Osage  
Open Hole:

(4656' - 4662')

DST #2 & 3

**Before Abandonment:**

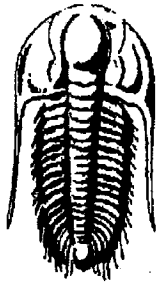
Mississippian Warsaw

(4650' - 4656')

DST #2 & 3

Respectfully Submitted,

Harley K. Sayles  
American Warrior Inc.



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior inc.**

PO Box 399  
Garden City KS 67846

ATTN: Harley Sayles

### **Family Farm #1-9**

### **9-24s-21w Hodgeman,KS**

Start Date: 2012.04.01 @ 23:58:05

End Date: 2012.04.02 @ 08:10:09

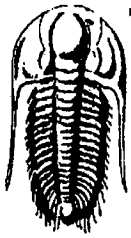
Job Ticket #: 46823                      DST #: 1

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

Printed: 2012.04.05 @ 15:11:54

American Warrior Inc. 9-24s-21w Hodgeman,KS Family Farm #1-9 DST # 1 Altamont 2012.04.01



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Harley Sayles

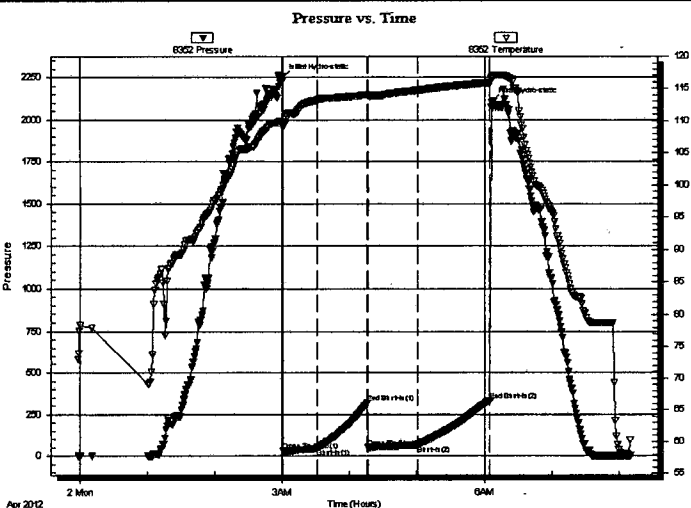
**9-24s-21w Hodgeman,KS**  
**Family Farm #1-9**  
Job Ticket: 46823      **DST#: 1**  
Test Start: 2012.04.01 @ 23:58:05

### GENERAL INFORMATION:

Formation: **Altamont**  
Deviated: **No** Whipstock:                      **ft (KB)**  
Time Tool Opened: 03:00:30  
Time Test Ended: 08:10:09  
Interval: **4417.00 ft (KB) To 4460.00 ft (KB) (TVD)**  
Total Depth: **4460.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Andy Carreira**  
Unit No: **39**  
Reference Elevations: **2370.00 ft (KB)**  
**2362.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 8352**      **Outside**  
Press@RunDepth: **62.46 psig @ 4423.00 ft (KB)**  
Start Date: **2012.04.01**      End Date: **2012.04.02**  
Start Time: **23:58:05**      End Time: **08:10:10**  
Capacity: **8000.00 psig**  
Last Calib.: **2012.04.02**  
Time On Btm: **2012.04.02 @ 02:59:30**  
Time Off Btm: **2012.04.02 @ 06:06:29**

**TEST COMMENT:** IF:(30min) 7" blow in 8 min. BOB in 18 min.  
IS:(45min) No Return  
FF:(45min) BOB 1 min.  
FSI:(60min) No Return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.98	109.94	Initial Hydro-static
1	28.49	108.91	Open To Flow (1)
32	42.99	113.15	Shut-In(1)
76	317.35	114.02	End Shut-In(1)
77	47.07	113.88	Open To Flow (2)
121	62.46	114.75	Shut-In(2)
186	331.71	115.92	End Shut-In(2)
187	2106.11	116.68	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM g=10% o=30% m=60%	0.84
50.00	HOCGM g=25% o=30% m=45%	0.70

### Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior inc.

9-24s-21w Hodgeman,KS

PO Box 399  
Garden City KS 67846

Family Farm #1-9

Job Ticket: 46823

DST#:1

ATTN: Harley Sayles

Test Start: 2012.04.01 @ 23:58:05

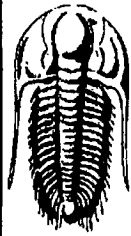
### Tool Information

Drill Pipe:	Length: 4399.00 ft	Diameter: 3.80 inches	Volume: 61.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 61.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4417.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Jars	5.00			4405.00	
Safety Joint	3.00			4408.00	
Packer	5.00			4413.00	28.00 Bottom Of Top Packer
Packer	4.00			4417.00	
Stubb	1.00			4418.00	
Perforations	4.00			4422.00	
Change Over Sub	1.00			4423.00	
Recorder	0.00	8017	Inside	4423.00	
Recorder	0.00	8352	Outside	4423.00	
Drill Pipe	31.00			4454.00	
Change Over Sub	1.00			4455.00	
Perforations	2.00			4457.00	
Bullnose	3.00			4460.00	43.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>71.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Harley Sayles

**9-24s-21w Hodgeman,KS**  
**Family Farm #1-9**  
Job Ticket: 46823      **DST#: 1**  
Test Start: 2012.04.01 @ 23:58:05

## Mud and Cushion Information

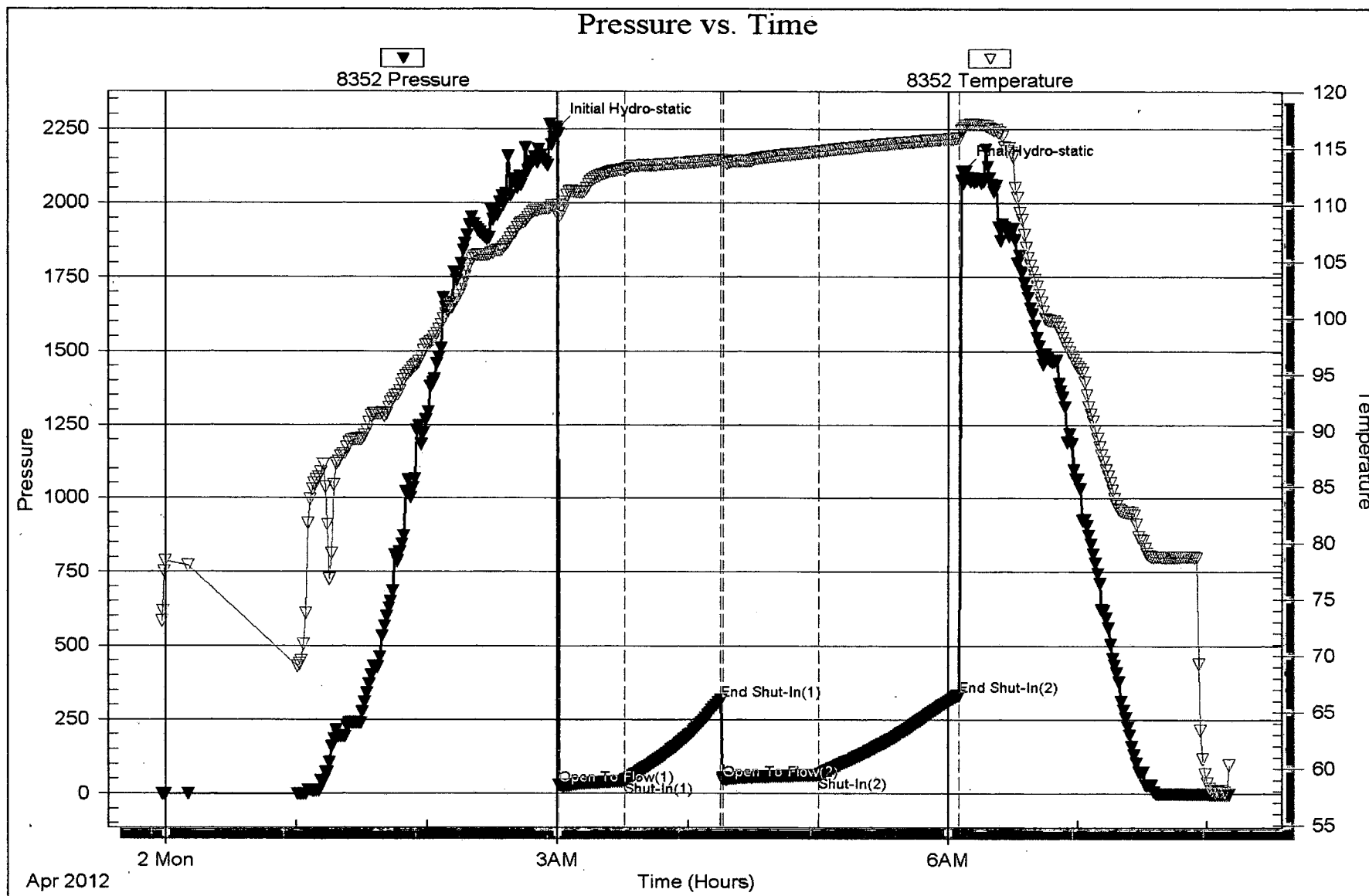
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.55 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

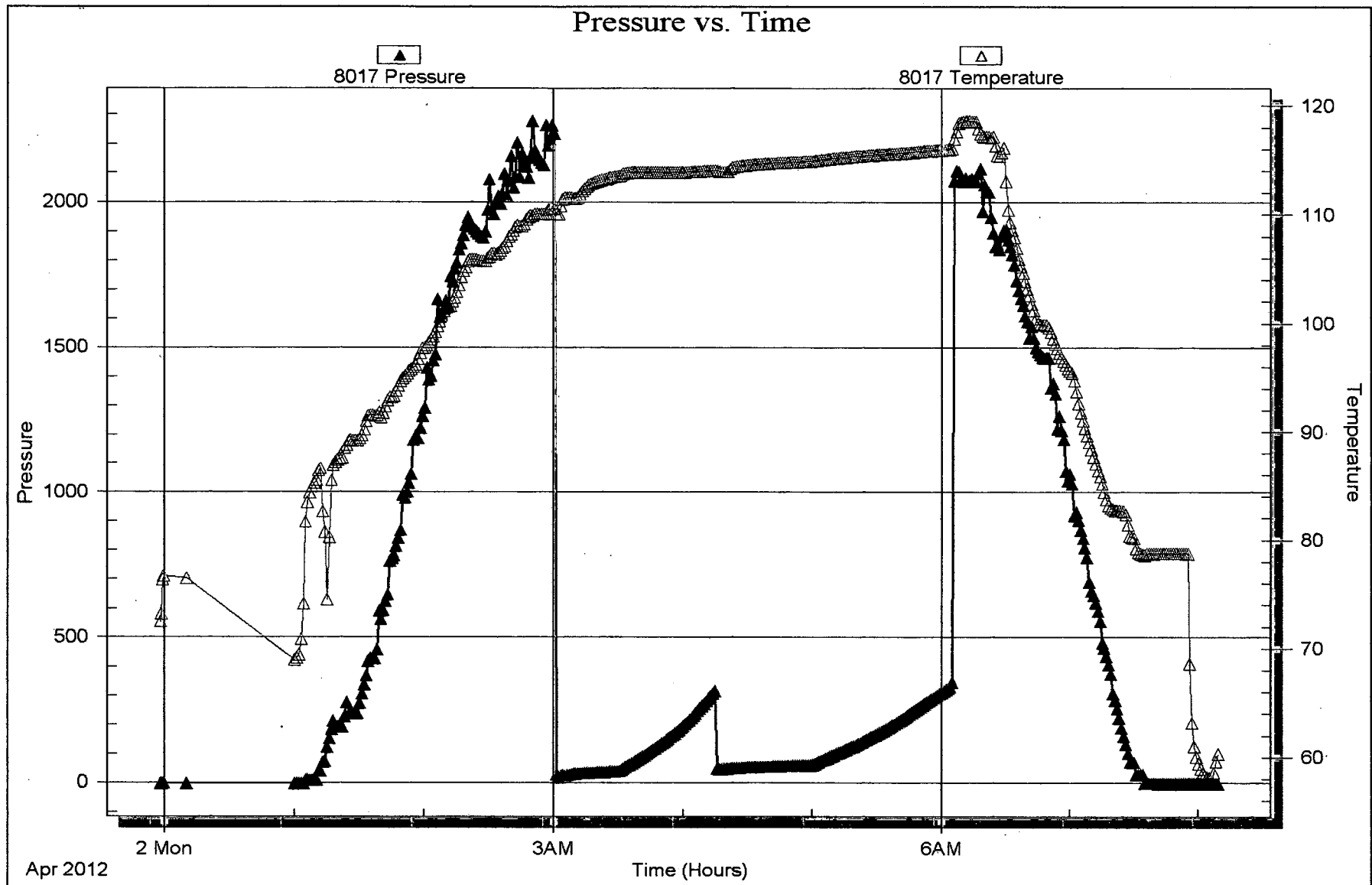
## Recovery Information

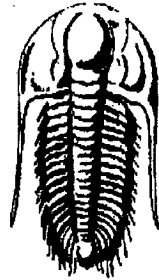
Recovery Table

Length ft	Description	Volume bbl
60.00	HOCGM g=10% o=30% m=60%	0.842
50.00	HOCGM g=25% o=30% m=45%	0.701

Total Length: 110.00 ft      Total Volume: 1.543 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior inc.**

PO Box 399  
Garden City KS 67846

ATTN: Harley Sayles

### **Family Farm #1-9**

### **9-24s-21w Hodgeman,KS**

Start Date: 2012.04.03 @ 07:01:05

End Date: 2012.04.03 @ 12:42:09

Job Ticket #: 46824                      DST #: 2

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

Printed: 2012.04.05 @ 15:10:59

American Warrior Inc.

9-24s-21w Hodgeman,KS

Family Farm #1-9

DST # 2

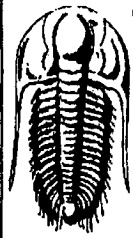
Mississippi

2012.04.03









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Harley Sayles

**9-24s-21w Hodgeman,KS**  
**Family Farm #1-9**  
Job Ticket: 46824      **DST#: 2**  
Test Start: 2012.04.03 @ 07:01:05

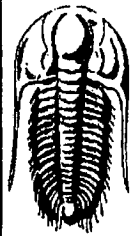
### Tool Information

Drill Pipe:	Length: 4619.00 ft	Diameter: 3.80 inches	Volume: 64.79 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 64.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4622.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			4595.00	
Shut In Tool	5.00			4600.00	
Hydraulic tool	5.00			4605.00	
Jars	5.00			4610.00	
Safety Joint	3.00			4613.00	
Packer	5.00			4618.00	28.00      Bottom Of Top Packer
Packer	4.00			4622.00	
Stubb	1.00			4623.00	
Recorder	0.00	8017	Inside	4623.00	
Recorder	0.00	8352	Outside	4623.00	
Perforations	32.00			4655.00	
Bullnose	3.00			4658.00	36.00      Bottom Packers & Anchor

**Total Tool Length: 64.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Harley Sayles

9-24s-21w Hodgeman,KS  
Family Farm #1-9  
Job Ticket: 46824      DST#: 2  
Test Start: 2012.04.03 @ 07:01:05

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 9.53 in<sup>3</sup>  
Resistivity: ohmm  
Salinity: 4800.00 ppm  
Filter Cake: inches

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

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

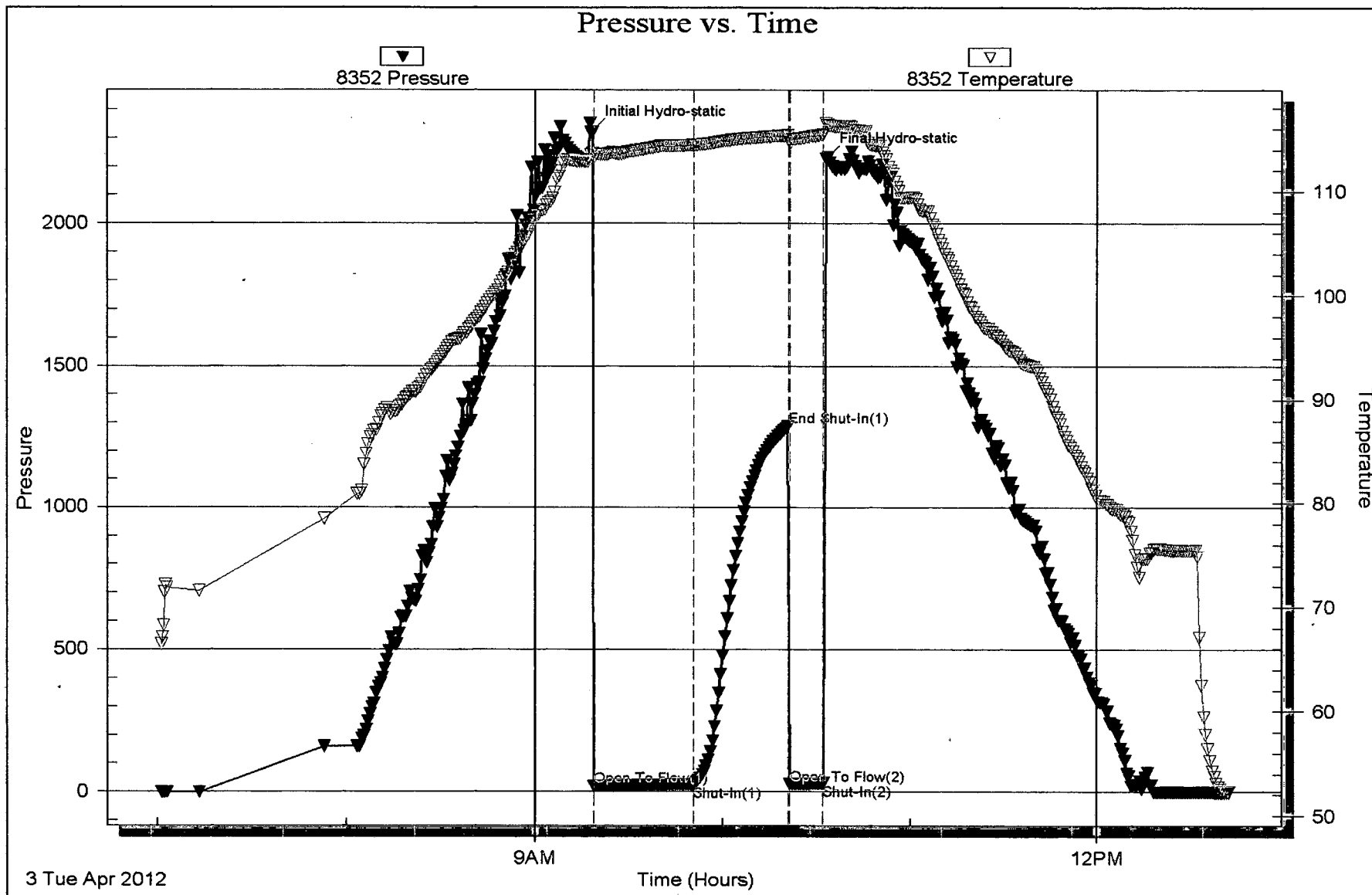
Length ft	Description	Volume bbl
30.00	SOSM	0.421
0.00	GIP= 30ft	0.000

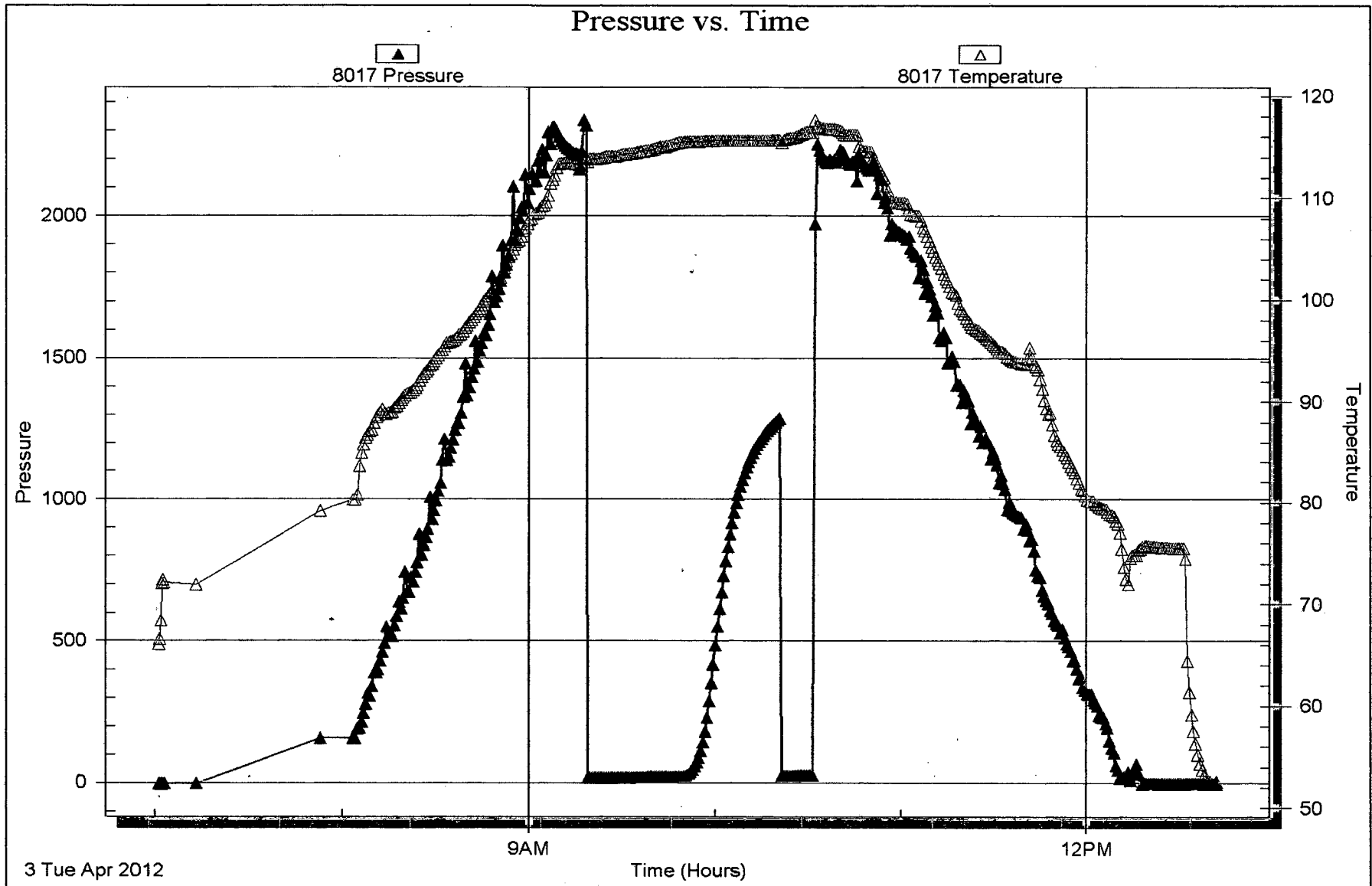
Total Length: 30.00 ft      Total Volume: 0.421 bbl

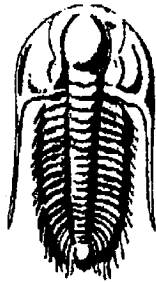
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior inc.**

PO Box 399  
Garden City KS 67846

ATTN: Harley Sayles

### **Family Farm #1-9**

### **9-24s-21w Hodgeman,KS**

Start Date: 2012.04.03 @ 19:33:05

End Date: 2012.04.04 @ 00:44:59

Job Ticket #: 46825                      DST #: 3

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KCC WICHITA

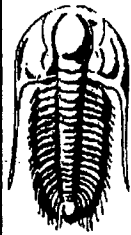
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.04.05 @ 15:10:15

American Warrior Inc. 9-24s-21w Hodgeman,KS Family Farm #1-9 DST # 3 Mississippian 2012.04.03



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TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Harley Sayles

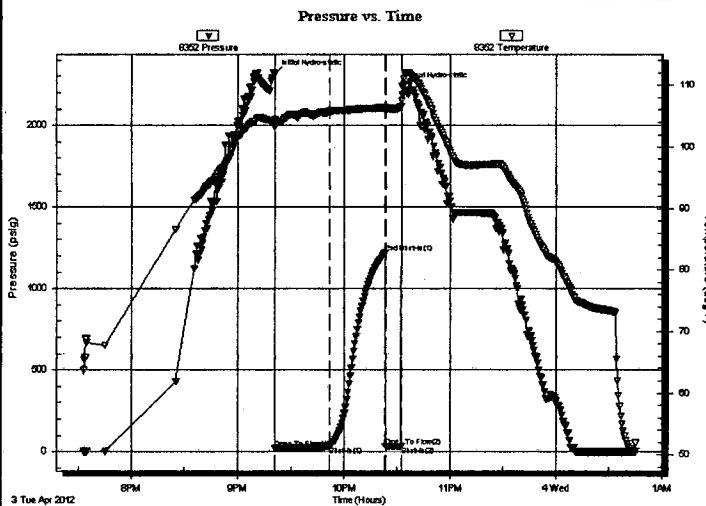
**9-24s-21w Hodgeman,KS**  
**Family Farm #1-9**  
Job Ticket: 46825      **DST#: 3**  
Test Start: 2012.04.03 @ 19:33:05

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 21:21:00  
Time Test Ended: 00:44:59  
Interval: **4623.00 ft (KB) To 4662.00 ft (KB) (TVD)**  
Total Depth: **4662.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Andy Carreira**  
Unit No: **39**  
Reference Elevations: **2370.00 ft (KB)**  
**2362.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 8352**      **Outside**  
Press@RunDepth: **29.31 psig @ 4624.00 ft (KB)**  
Start Date: **2012.04.03**      End Date: **2012.04.04**  
Start Time: **19:33:05**      End Time: **00:44:59**  
Capacity: **8000.00 psig**  
Last Calib.: **2012.04.04**  
Time On Btrm: **2012.04.03 @ 21:20:50**  
Time Off Btrm: **2012.04.03 @ 22:32:30**

**TEST COMMENT:** IF:(30min) Weak surface blow  
IS:(30min) No Return  
FF:(10min) No blow . Pulled tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2312.42	104.38	Initial Hydro-static
1	20.42	103.22	Open To Flow (1)
31	29.31	105.68	Shut-In(1)
63	1215.31	106.36	End Shut-In(1)
63	31.13	105.83	Open To Flow (2)
72	33.07	106.48	Shut-In(2)
72	2238.88	107.55	Final Hydro-static

## Recovery

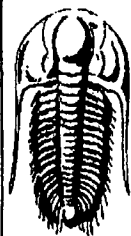
Length (ft)	Description	Volume (bbl)
35.00	SOSM	0.49

\* Recovery from multiple tests

## 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: Harley Sayles

**9-24s-21w Hodgeman, KS**  
**Family Farm #1-9**  
Job Ticket: 46825      **DST#: 3**  
Test Start: 2012.04.03 @ 19:33:05

### Tool Information

Drill Pipe:	Length: 4615.00 ft	Diameter: 3.80 inches	Volume: 64.74 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 64.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4623.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

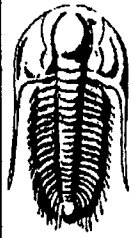
Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4596.00	
Shut In Tool	5.00			4601.00	
Hydraulic tool	5.00			4606.00	
Jars	5.00			4611.00	
Safety Joint	3.00			4614.00	
Packer	5.00			4619.00	28.00      Bottom Of Top Packer
Packer	4.00			4623.00	
Stubb	1.00			4624.00	
Recorder	0.00	8017	Inside	4624.00	
Recorder	0.00	8352	Outside	4624.00	
Perforations	35.00			4659.00	
Bullnose	3.00			4662.00	39.00      Bottom Packers & Anchor

**Total Tool Length: 67.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior inc.

**9-24s-21w Hodgeman, KS**

PO Box 399  
Garden City KS 67846

**Family Farm #1-9**

Job Ticket: 46825

**DST#: 3**

ATTN: Harley Sayles

Test Start: 2012.04.03 @ 19:33:05

## 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: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.53 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
35.00	SOSM	0.491

Total Length: 35.00 ft

Total Volume: 0.491 bbf

Num Fluid Samples: 0

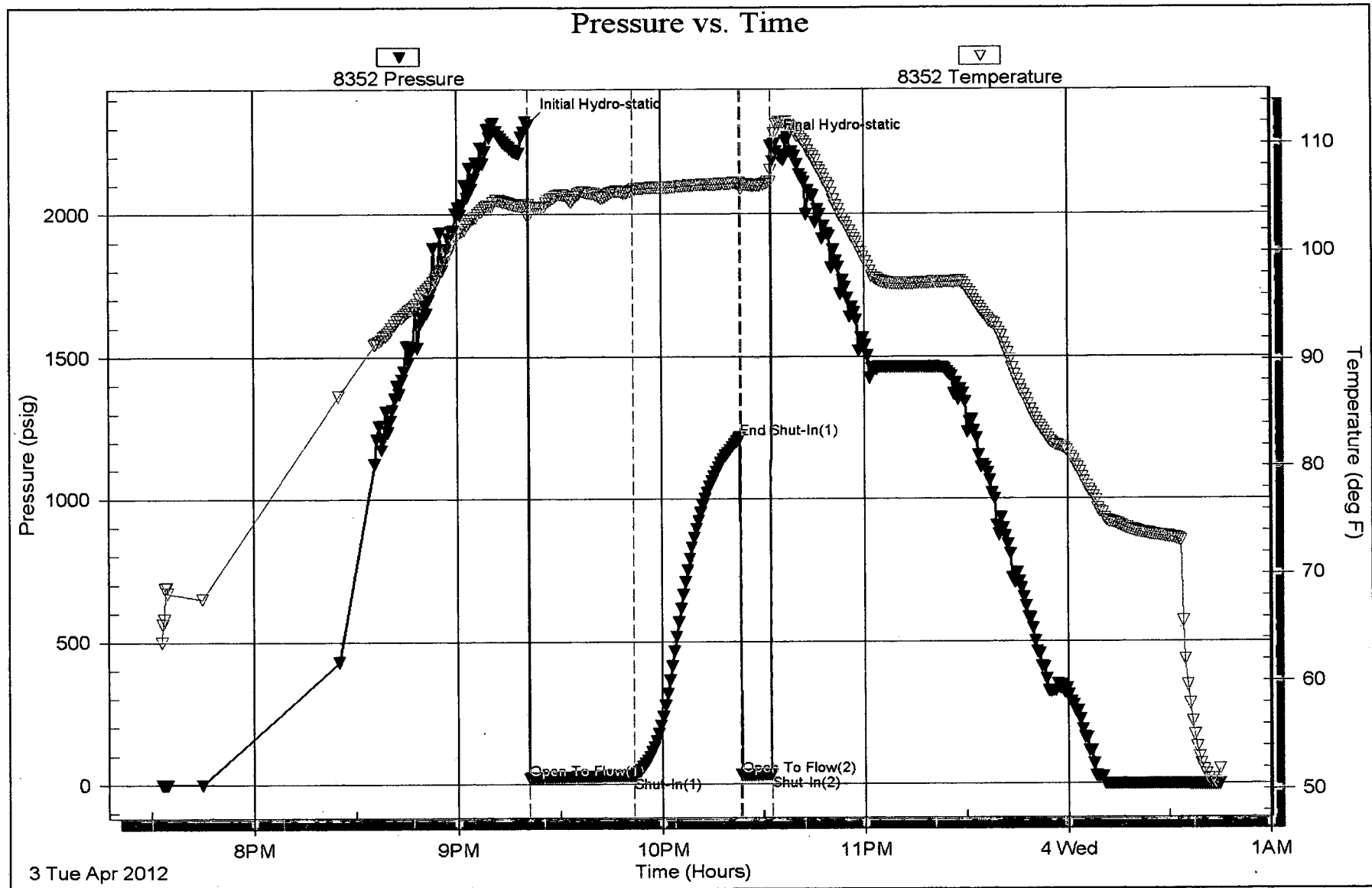
Num Gas Bombs: 0

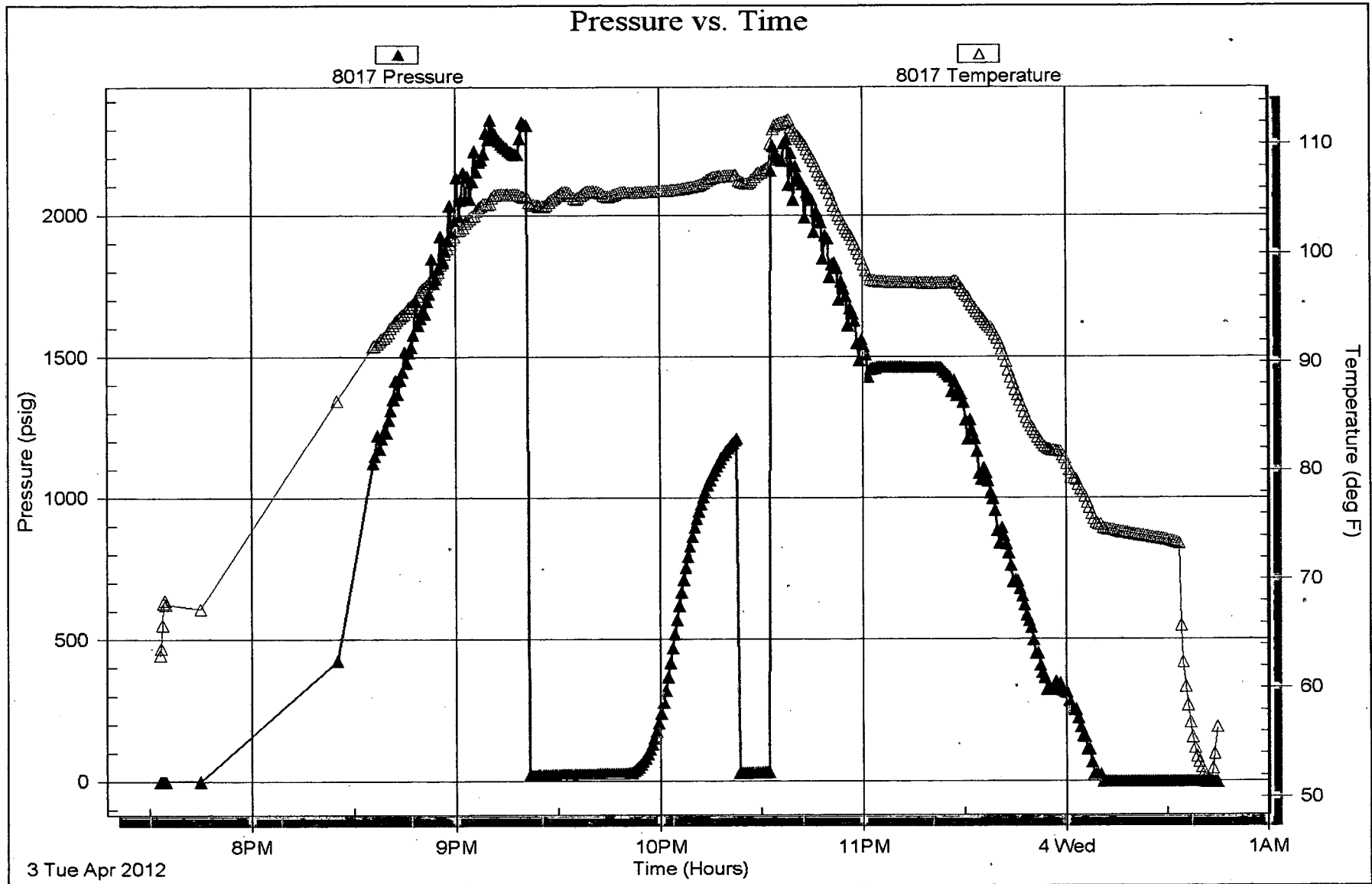
Serial #:

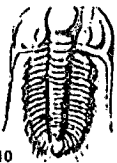
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket NO. 46823

Well Name & No. Family Farm 1-9 Test No. 1 Date 4-1-12
Company American Warrior, Inc Elevation 2370 KB 2362 GL
Address P.O. Box 399, Garden City, KS 67846
Co. Rep / Geo. Harley Sayles Rig Duke #8
Location: Sec. 9 Twp. 24S Rge. 21W Co. Hodgeman State KS

Interval Tested 4417-4460 Zone Tested Altament
Anchor Length 43' Drill Pipe Run 4399 Mud Wt. 9.3
Top Packer Depth 4412 Drill Collars Run 0 Vis 5.0
Bottom Packer Depth 4417 Wt. Pipe Run 0 Wt. 9.6
Total Depth 4460 Chlorides 4800 ppm System LCM 1

Blow Description IF: 7" blow in 8 min. BOB in 18 min.
ISI: NO RETURN
FF: BOB, 1 min.
FSI: NO RETURN

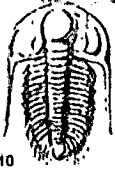
Table with 5 columns: Rec, Feet of, HOCBM, %gas, %oil, %water, %mud. Contains data for 5 different recording points.

Rec Total 110 BHT 115 Gravity API RW @ F Chlorides ppm
(A) Initial Hydrostatic 2246 Test 1225 T-On Location 20:13
(B) First Initial Flow 28 Jars 250 T-Started 23:58
(C) First Final Flow 42 Safety Joint 75 T-Open 03:00
(D) Initial Shut-In 317 Circ Sub T-Pulled 06:00
(E) Second Initial Flow 47 Hourly Standby 2 hrs 200 T-Out 08:10
(F) Second Final Flow 62 Mileage 172 RT 240.80
(G) Final Shut-In 331 Sampler
(H) Final Hydrostatic 210 Straddle
Shale Packer
Extra Packer
Extra Recorder
Day Standby
Accessibility

Initial Open 30
Initial Shut-In 45
Final Flow 45
Final Shut-In 60
Sub Total 1990.80
Total 1990.80
MP/DST Disc't

Approved By Our Representative
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 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.

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

# RECEIVED

APR 05 2012

## Test Ticket

NO. 46824

Well Name & No. Family Farm 1-9 BY: \_\_\_\_\_ Test No. 2 Date 4-3-12  
 Company AMERICAN WARRIOR INC Elevation 2370 KB 2362 GL \_\_\_\_\_  
 Address PO BOX 399 GARDEN CITY KS 67846  
 Co. Rep / Geo. Harley Soyles Rig Duke #8  
 Location: Sec. 9 Twp. 24S Rge. 21W Co. Nodgeman State Ks

Interval Tested 4622-4658 Zone Tested MISSISSIPPIAN  
 Anchor Length 36 Drill Pipe Run 4619 Mud Wt. 9.3  
 Top Packer Depth 4617 Drill Collars Run 0 Vis 50  
 Bottom Packer Depth 4622 Wt. Pipe Run 0 Wt. 9.6  
 Total Depth 4658 Chlorides 4800 ppm System LCM 1

Blow Description IF: Weak surface blow.  
ISI: No Return  
FF: NO BLOW, Pulled tool  
FST: —

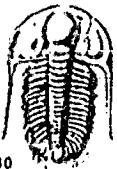
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>50.5M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>BIP</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT Gravity API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2319  Test 1225 T-On Location 04:29  
 (B) First Initial Flow 19  Jars 250 T-Started ~~07:00~~ 07:01  
 (C) First Final Flow 24  Safety Joint 75 T-Open 09:20  
 (D) Initial Shut-In 1287  Circ Sub T-Pulled 10:30  
 (E) Second Initial Flow 26  Hourly Standby T-Out 12:42  
 (F) Second Final Flow 28  Mileage 172RT 240.80 Comments Could not get to  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_ catwalk - wait on  
 (H) Final Hydrostatic 2227  Straddle \_\_\_\_\_ cat @ 24 hrs (mud)

Initial Open 30  Ruined Shale Packer \_\_\_\_\_ **RECEIVED**  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_ **MAY 08 2012**  
 Final Flow 10  Extra Packer \_\_\_\_\_ **KCC WICHITA**  
 Final Shut-In \_\_\_\_\_  Extra Recorder \_\_\_\_\_  
 Sub Total 0 Total 1790.80  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged or 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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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APR 05 2012

## Test Ticket

NO. 46825

Well Name & No. Family Farm 1-9 BT. \_\_\_\_\_ Test No. 3 Date 4-3-12  
 Company AMERICAN WARRIOR, INC. Elevation 2370 KB 2362 GL \_\_\_\_\_  
 Address PO Box 399 Garden City Ks. 67846  
 Co. Rep / Geo. Harley Saylor Rig Duke #8  
 Location: Sec. 9 Twp. 24S Rge. 21W Co. Hodgeman State Ks.

Interval Tested 4623-4662 Zone Tested \_\_\_\_\_  
 Anchor Length 39' Drill Pipe Run 4615 Mud Wt. 9.3  
 Top Packer Depth 4618 Drill Collars Run 0 Vis 5.0  
 Bottom Packer Depth 4623 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4662 Chlorides 4800 ppm System LCM 1

Blow Description IT: Weak surface blow  
IST: No Return  
IF: No blow - Pulled Tool  
FSI:

Rec	Feet of	%gas	%oil	%water	%mud
35	505m				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 35' BHT 106° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2312  Test 1225' T-On Location \_\_\_\_\_  
 (B) First Initial Flow 20  Jars 250' T-Started 19:33  
 (C) First Final Flow 29  Safety Joint 75' T-Open 21:22  
 (D) Initial Shut-In 1215  Circ Sub \_\_\_\_\_ T-Pulled 22:32  
 (E) Second Initial Flow 31  Hourly Standby \_\_\_\_\_ T-Out 00:48  
 (F) Second Final Flow 33  Mileage Stayed on location Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2238  Straddle \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 10  
 Final Shut-In \_\_\_\_\_

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