



KANSAS CORPORATION COMMISSION 1053907  
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: \_\_\_\_\_



1053907

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
---	---

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Ryersee 4-33
Doc ID	1053907

Tops

Name	Top	Datum
Anhydrite	1338	780
Heebner	3568	-1454
Lansing	3613	-1499
BKC	3930	-1816
Pawnee	4015	-1901
Ft. Scott	4086	-1972
Cherokee	4102	-1988
Mississippian	4184	-2070
TD	4199	-2077

# **Geological Report**

American Warrior, Inc.

**Rysersee #4-33**

300' FNL & 1975' FEL

Sec. 33 T18s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Rysersee #4-33  
300' FNL & 1975' FNL  
Sec. 33 T18s R21w  
Ness County, Kansas  
API # 15-135-25074-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: September 12, 2010

Completion Date: September 21, 2010

Elevation: 2108' Ground Level  
2114' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 to GG road, ¼ mi. East,  
South into location.

Casing: 1340' 8 5/8" surface casing  
4192' 5 1/2" production casing

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

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Kenyon Bange"  
CNL/CDL, DIL

Drillstem Tests: Three, Trilobite Testing, Inc. "Ray Schwager"

Problems: There was two foot of fill in hole during log causing  
LTD to be short.

Remarks: Gas detector was reading incorrectly due to oil in  
system from DST #2.

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc. Ryersee #4-33 Sec. 33 T18s R21w 300' FNL &amp; 1975' FEL</b>
Anhydrite	1338', +780
Base	1368', +746
Heebner	3568', -1454
Lansing	3613', -1499
BKc	3930', -1816
Pawnee	4015', -1901
Fort Scott	4086', -1972
Cherokee	4102', -1988
Mississippian	4184', -2070
RTD	4197', -2083
LTD	4191', -2077

## Sample Zone Descriptions

- Fort Scott (4086', -1972): Not Tested**  
 Ls – Fine crystalline with pinpoint inter-crystalline and vuggy porosity, light to fair oil stain and saturation, slight show of free oil when broken, fair odor, fair yellow fluorescents, 25 units hotwire.
- Cherokee Sand “A” (4104', -1990): Covered in DST #1**  
 SS – Quartz, fine grained, well rounded, poorly cemented, well sorted with fair to good inter-granular porosity, light oil stain and saturation in porosity, fair show of free oil when broken, light yellow fluorescents, slight odor, 25 units hotwire.
- Cherokee Sand “B” (4142', -2028): Covered in DST #2**  
 SS – Quartz, fine to coarse grained, sub-rounded, fairly sorted, poorly cemented, with fair inter-granular porosity, light to fair scattered oil stain and saturation in porosity, show of free oil when broken, good cut fluorescents, 105 units hotwire.
- Mississippian Osage (4184', -2070'): Covered in DST #3**  
 Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, heavy chert, triptolic with good vuggy porosity, light to fair oil stain in porosity, good show of free oil, good odor, fair to bright yellow fluorescents.

**Drill Stem Tests**  
 Trilobite Testing, Inc.  
 "Ray Schwager"

**DST #1**

**Cherokee "A" Sand**

Interval (4101' – 4120') Anchor Length 19'

IHP	- 1940 #	
IFP	- 30" – W.S.B.	19-18 #
ISI	- 30" – Dead	74 #
FFP	- 10" – Dead	18-19 #
FHP	- 1938 #	
BHT	- 107°F	

Recovery: 2' Mud w/ oil spots

**DST #2**

**Cherokee "B" Sand**

Interval (4100' – 4165') Anchor Length 65'

IHP	- 1951 #	
IFP	- 5" – B.O.B. 5 min.	60-87 #
ISI	- 30" – W.S.B.	929 #
FFP	- 30" – B.O.B. 12 min.	103-180 #
FSI	- 30" – Dead	790 #
FHP	- 1928 #	
BHT	- 123°F	

Recovery: 80' GIP  
 10' CO  
 90' OCM 10% Oil  
 124' SOCMW 2% Oil, 68% Water  
 124' Water

**DST #3**

**Mississippian Osage**

Interval (4190' – 4197') Anchor Length 7'

IHP	- 1981 #	
IFP	- 45" – Built to 2 in.	28-68 #
ISI	- 30" – Dead	1109 #
FFP	- 30" – Built to 2 in.	75-86 #
FSI	- 30" – Dead	1087 #
FHP	- 1956 #	
BHT	- 116°F	

Recovery: 40' CO  
 30' OCM 15% Oil  
 120' MGO 85% Oil  
 5' OCMW 20% Oil, 70% Water

## Structural Comparison

	American Warrior, Inc. Ryersee #4-33 Sec. 33 T18s R21w 300' FNL & 1975' FEL	L.D. Drilling Thomas #1 Sec. 33 T18s R21w 4620' FSL & 1980' FEL		American Warrior, Inc. Ryersee #1-33 Sec. 33 T18s R21w 1100' FNL & 1450' FEL	
<b>Formation</b>					
Anhydrite	<b>1338', +780</b>	1334', +784	<b>(-4)</b>	1336', +785	<b>(-5)</b>
Base	<b>1368', +746</b>	NA	<b>NA</b>	NA	<b>NA</b>
Heebner	<b>3568', -1454</b>	3569', -1451	<b>(-3)</b>	3572', -1451	<b>(-3)</b>
Lansing	<b>3613', -1499</b>	3614', -1496	<b>(-3)</b>	3617', -1496	<b>(-3)</b>
BKc	<b>3930', -1816</b>	3930', -1812	<b>(-4)</b>	NA	<b>NA</b>
Pawnee	<b>4015', -1901</b>	4016', -1898	<b>(-3)</b>	4018', -1897	<b>(-4)</b>
Fort Scott	<b>4086', -1972</b>	4088', -1970	<b>(-2)</b>	4090', -1969	<b>(-3)</b>
Cherokee	<b>4102', -1988</b>	4103', -1985	<b>(-3)</b>	4106', -1985	<b>(-3)</b>
Mississippian	<b>4184', -2070</b>	4189', -2071	<b>(+1)</b>	4215', -2094	<b>(+24)</b>

## Summary

The location for the Ryersee #4-33 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been thoroughly examined the decision was made to run 5½ inch production casing to further evaluate the Ryersee #4-33 well.

## Recommended Perforations

**Primary:**

**Mississippian Osage                    (4184' – 4188')                    DST #3**

**Before abandonment:**

**Cherokee "B" Sand                    (4142' – 4148')                    DST #2**

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

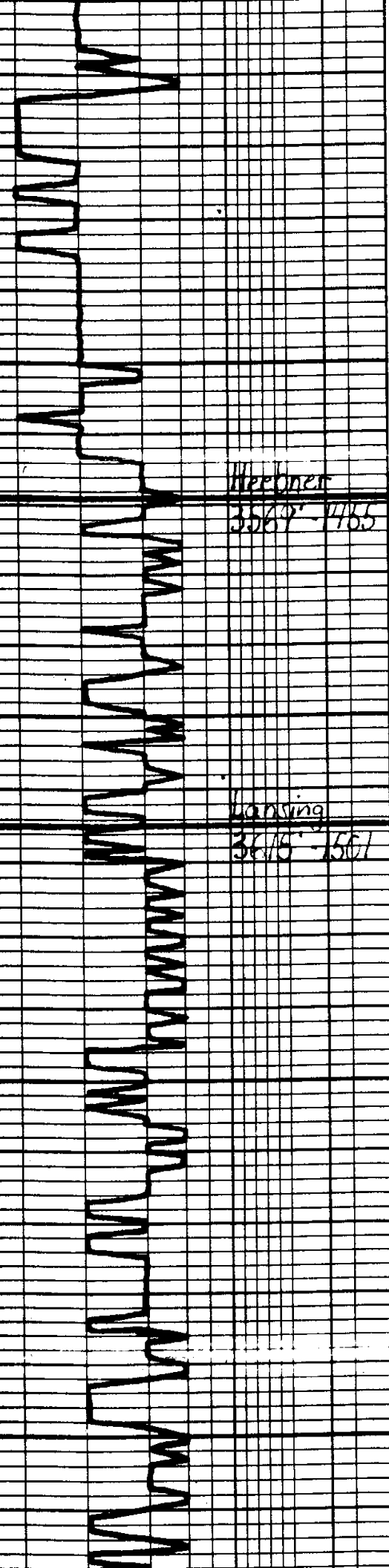






Geo on location  
12:00 p.m 9-17-2010

10  
20  
30  
40  
3550  
60  
70  
80  
90  
3600  
10  
20  
30  
40  
3650  
60  
70  
80  
90  
3700  
10



Ls. Tan. Gr. Mottled. Fossiliferous  
Bacteria, Bacteria

Ls. - aia

Ls. - aia

Ls. Tan. Gr. Mottled. Fossiliferous  
Bacteria, Bacteria

Sh. Blk. Carb. Fossiliferous

Sh. Gray. Bca

Ls. - Ottawa. Tan. Fossiliferous  
Foss. intercalated & Bacteria

Sh. Gray. Bacteria

Ls. Tan. Gr. Mottled. Fossiliferous  
Fossiliferous with Foss. intercalated  
& Bacteria

Sh. Gray. Bca

Ls. Tan. Gr. Mottled. Fossiliferous  
with Foss. intercalated & Bacteria

Ls. - Ottawa. Tan. Fossiliferous  
with Foss. intercalated & Bacteria  
with Bacteria

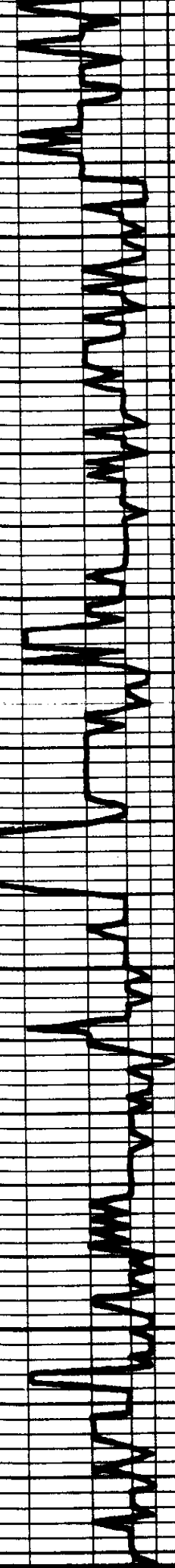
Sh. Dk. Gray

Ls. Tan. Gr. Mottled. Fossiliferous  
with Foss. intercalated & Bacteria

Ls. Tan. Gr. Mottled. Fossiliferous  
Dk. Gr. St. con.

Ls. Tan. Gr. Mottled. Fossiliferous  
with Foss. intercalated & Bacteria

20  
30  
40  
3750  
60  
70  
80  
90  
3800  
10  
20  
30  
40  
3850  
60  
70  
80  
90  
3900  
10  
20  
30



Exp. - wood base Section of  
Barren

Ls - a/a

Ls - a/a, DNS

Sh - Gray - Ben

Ls - Tan - Lt Gray, Fa - Subvol,  
Col. - Blue - Green - Black  
Barren

Sh - Gray - Ben

Ls - Off-white, Lt Gray, Fa - xia,  
Col. - Blue - Green - Black  
Barren

Sh - Gray - Ben

Ls - Off-white, Lt Gray, Fa - xia,  
Col. - Blue - Green - Black  
Barren

Sh - Gray - Ben

Ls - Tan - Lt Gray, Fa - xia,  
Col. - Blue - Green - Black  
Barren

Ls - a/a, DNS

Sh - Gray - Blk Gray

Ls - Tan - Lt Gray, Fa - Subvol,  
Col. - Blue - Green - Black  
DNS

Sh - Blk, Lach

Sh - Gray - Ben

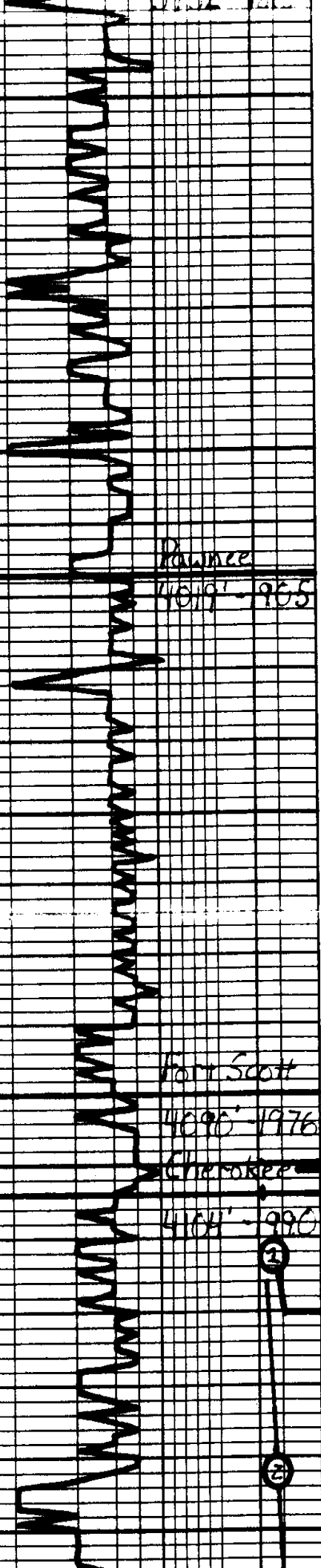
Ls - Tan - Gray - Blk, DNS

Ls - a/a

Sh - Gray - Ben - Ben

18K  
2010-130

90  
3950  
60  
70  
80  
90  
4000  
10  
20  
30  
40  
4050  
60  
70  
80  
90  
4100  
10  
20  
30  
40  
4150



Pawnee

4019' - 965

Fort Scott

4090' - 1976

Cherokee

4104' - 990

LS - Tan - Gray, Subvol. DNS

LS - ala

LS - ala

Sh - Gray - Blue - Green

LS - Offwhite, Tan, Fa - Subvol. Sh. Cal. w/ fragments of 2' interval p. Barren

LS - ala, Sh. A - White - Gray

Sh - Gray - Green

LS - Tan - Lt. Gray, Subvol. DNS

LS - ala

LS - Lt. Gray - Gray, Subvol. DNS

LS - ala

Sh - Blk. Carb. Fossiliferous

LS - Tan - Ben. Fa. Fly. w/ fragments of 1' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval.

Sh - Dk. Gray

SS - Grc. Fa. Coarse Gr. Sub. Compacted. w/ Sh. Sph. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval.

Sh - Gray - Blue - Green

Sh - Gray, Sh. B - Yellow

SS - Grc. Fa. Coarse Gr. Sub. Compacted. w/ Sh. Sph. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval. Sh. Cal. w/ fragments of 2' interval.

**DST #1**

Cherokee "A" Sand

4101' - 4120'  
30" x 30" x 10"

IH 1940#  
IF 18-18#  
W.S.B.  
ISI 74#  
Dead  
FF 18-19#  
Dead

FH 1938#  
BHT 107°F

Recovery:  
2' Mud w/ oil spots

**DST #2**

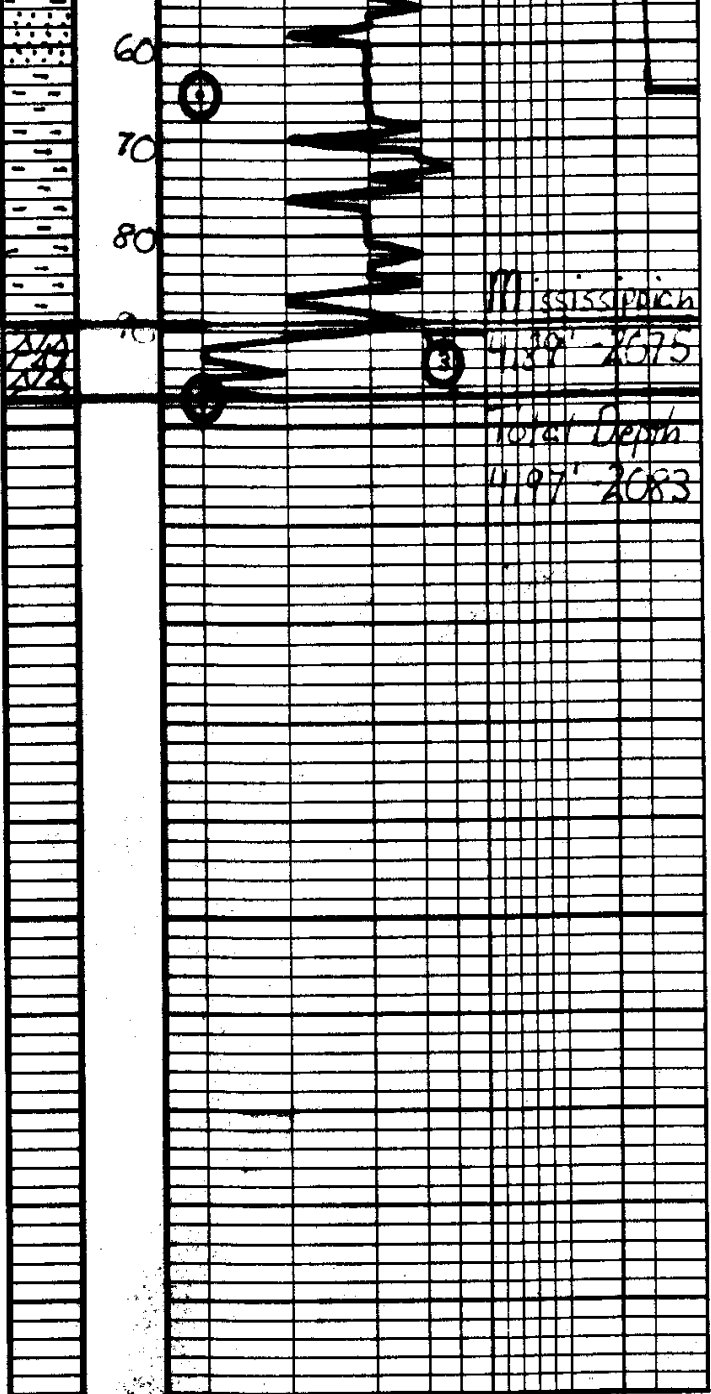
Cherokee "B" Sand

4100' - 4165'  
5" x 30" x 30" x 30"

IH 1951#  
IF 60-87#  
BOB 5 min.

ISI 90#  
W.S.B.  
FF 103-180#  
BOB 12 min.

FSI 790#  
Dead



SS. Cpx. Centre of Sub. Handled  
Body cemented, well cemented  
have interest in it oil & gas  
Missy Bottom, just bit st. Nite  
No Calc.

EH 1928#  
BHT 115°F  
Recovery:  
80' GIP  
10' CO  
90' OCM  
10% O.I.  
124' 50C MW  
2% O.I. 68% W  
124' Water

Sp. Multiple layers, 20' total  
Whit. Low Reaction life br.

**DST#3**  
Mississippian  
4190' - 4197'  
45" 45" 45" 45"

Large imp. salt. Low permeability  
X-ray film section shows  
2. Heavy. Top well head  
It. From oil. Salt. Oil. 65%  
O.I. 20% Br. 9.1. 1. 1. 1.

LH 1981#  
IF 28.68#  
Built to 2in.  
ISE 1109#  
Uence  
FP 75.86#  
Built to 2in.

Respectfully,  
Missy  
9-26-2010

FSI 1087#  
Dead  
EH 1956#  
BHT 116°F  
Recovery:

40' CO  
30' OCM  
15% O.I.  
120' 1160  
85% O.I.  
5' OCM W  
20% O.I. 70% W



Services, Inc.

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

TICKET 19008

LEASE  
Ryussee 4-33  
Ness

CONTRACTOR  
PETROMARK DRILLING

COUNTY/LEASE  
Ness

STATE  
KS

CITY  
BAZINE, KS

DATE  
15 SEP 10

OWNER

PAGE 1 OF 1

1. SERVICE LOCATIONS  
Ness City, KS

2. WELL/PROJECT NO.  
Ryussee 4-33

3. TICKET TYPE  
SERVICE  
SALES  
WELL TYPE  
OIL

CONTRACTOR  
PETROMARK DRILLING

RIG NAME/NO.  
Ness

WELL CATEGORY  
DEVELOPMENT

JOB PURPOSE  
Cement 8 5/8

STATE  
KS

CITY  
BAZINE, KS

DATE  
15 SEP 10

ORDER NO.

WELL PERMIT NO.

WELL LOCATION  
234E, 5/10 ESTO

4. REFERRAL LOCATION  
INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 110	20	mi			5.00	100.00
576D					PUMP CHARGE	1	hour	1340	FT.	1100.00	1100.00
409					TURBUZER	4	EA			90.00	360.00
410					TOP PLUG	1	EA			100.00	100.00
412					RAFFLE PLATE	1	EA			100.00	100.00
281					MUD FLUSH	500	gal			1.00	500.00
281					AIR DRO KCL	2	gal			25.00	50.00
276					FLOCCEL	113	lbs			1.50	169.50
290					D-AIR	3	gal			35.00	105.00
330					SWIFT MULTI DENSITY STANDARD	4	50 lb			15.00	60.00
581					SERVICE CHARGE CEMENT	4	50 lb			1.50	6.00
583					DRAYAGE	449	03 lbs	447	03 TM	1.00	447.03

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

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

PAGE TOTAL 10,456

TAX

TOTAL

DATE SIGNED 15 SEP 10 TIME SIGNED 0815 AM

SWIFT OPERATOR Jason E. Korb

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

Thank You!







Services, Inc.

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

TICKET 19014

PAGE 1 OF 2

1. SERVICE LOCATIONS 11555 City, KS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
		RURSEE 4-33	Ness	KS	BAZINE, KS.	21SEP10	
2. TICKET TYPE SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	WELL LOCATION	
	PETROMARK RIG U1		VA	LOCATIONS		234E, S100 ESTE	
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.				
	OIL	DEVELOPMENT	S & LONGSTRICK.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE B110	20	MIL			5.00	100.00
578					PUMP CHARGE	1	EA			1400.00	1400.00
402					CENTRALIZERS	5	EA			55.00	275.00
403					GENUINE BASKET	1	EA			200.00	200.00
406					LATCHDOWN PLUG & BASKET	1	EA			225.00	225.00
407					INSTAL EDOAT SHOE W/ AUTO FILL	1	EA			275.00	275.00
281					HYD FLUSH	500	Gal			1.00	500.00
281					40 LIDUD KOL	2	Gal			25.00	50.00
419					ROTATING HEAD RENTAL	1	DAY			150.00	150.00

**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

DATE SIGNED 21SEP10 TIME SIGNED 1800  AM  PM

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE 1	3175.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PAGE TOTAL	3850.00
WE UNDERSTOOD AND MET YOUR NEEDS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TAX	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TOTAL	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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: [Signature] APPROVAL: [Signature]  
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES  
Thank You!



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

TICKET CONTINUATION

TICKET No. 19014

CUSTOMER AMERICAN WARRIOR WELLS RIVERSIDE 4-33 DATE 31 SEP 10 PAGE 2 OF 2

276	1	FLUORE	414 lbs	150	600	00
283	1	SALT	900 lbs	15	135	00
284	1	ALSEAC	85x 600 lbs	300	240	00
286	1	HAARD-1	124 lbs	60	744	00
290	1	D-AIR	1/2 gal	35	52	50
STANDARD CEMENT						
325	1	STANDARD CEMENT	1755x	120	2100	00
581	1	SERVICE CHARGE	1755x	150	262	50
582	1	TOTAL WEIGHT	18318	250	250	00
			LOADED MILES 20	3850		

TON MILES 183.18





Services, Inc.

CHARGE TO: La Breaan Lumber, Inc.  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 18145

CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. 1/18/15  
 2. Ness City, KS  
 3.  
 4. REFERRAL LOCATION

WELL/PROJECT NO. 4-33  
 LEASE Revised  
 COUNTY/PARISH Ness  
 RIG NAME/NO. N/A  
 STATE KS  
 CITY NESS CITY  
 DATE 9-25-16  
 OWNER

TICKET TYPE  SERVICE  SALES  
 CONTRACTOR N/A  
 RIG NAME/NO. N/A  
 SHIPPED VIA CT  
 DELIVERED TO E/Bearino, H  
 ORDER NO.

WELL TYPE A-1  
 WELL CATEGORY 1st Field  
 JOB PURPOSE Re-work Ann 5 1/2 x 5 3/8  
 WELL PERMIT NO.  
 WELL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>to 117</u>	20	Mi			5.00	100.00
575		1			<u>Range Charge - 1st Ann</u>	1	00			250.00	250.00
991		1			<u>D. A. O.</u>	2	00			35.00	70.00
230		2			<u>SUD - Cement</u>	125	SF			15.00	1875.00
236		2			<u>Flareole</u>	22	Lbs			15.00	330.00
582		2			<u>Service Chg. Cement</u>	125	SF			15.00	1875.00
					<u>Maintenance Drags</u>	1	00			350.00	350.00

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

DATE SIGNED 9-25-16 TIME SIGNED  AM  PM

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BROWDOWN?

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

PAGE TOTAL 3280.50

TOTAL 3406.06

TAX 7.05%

SWIFT OPERATOR Scott APPROVAL Scott

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!







**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
P O Box 399  
Garden City Ks 67846  
ATTN: Scott Corsair

**Ryersee #4-33**  
**33-18s-21w Ness**  
Job Ticket: 40144      **DST#: 1**  
Test Start: 2010.09.19 @ 14:59:03

## 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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

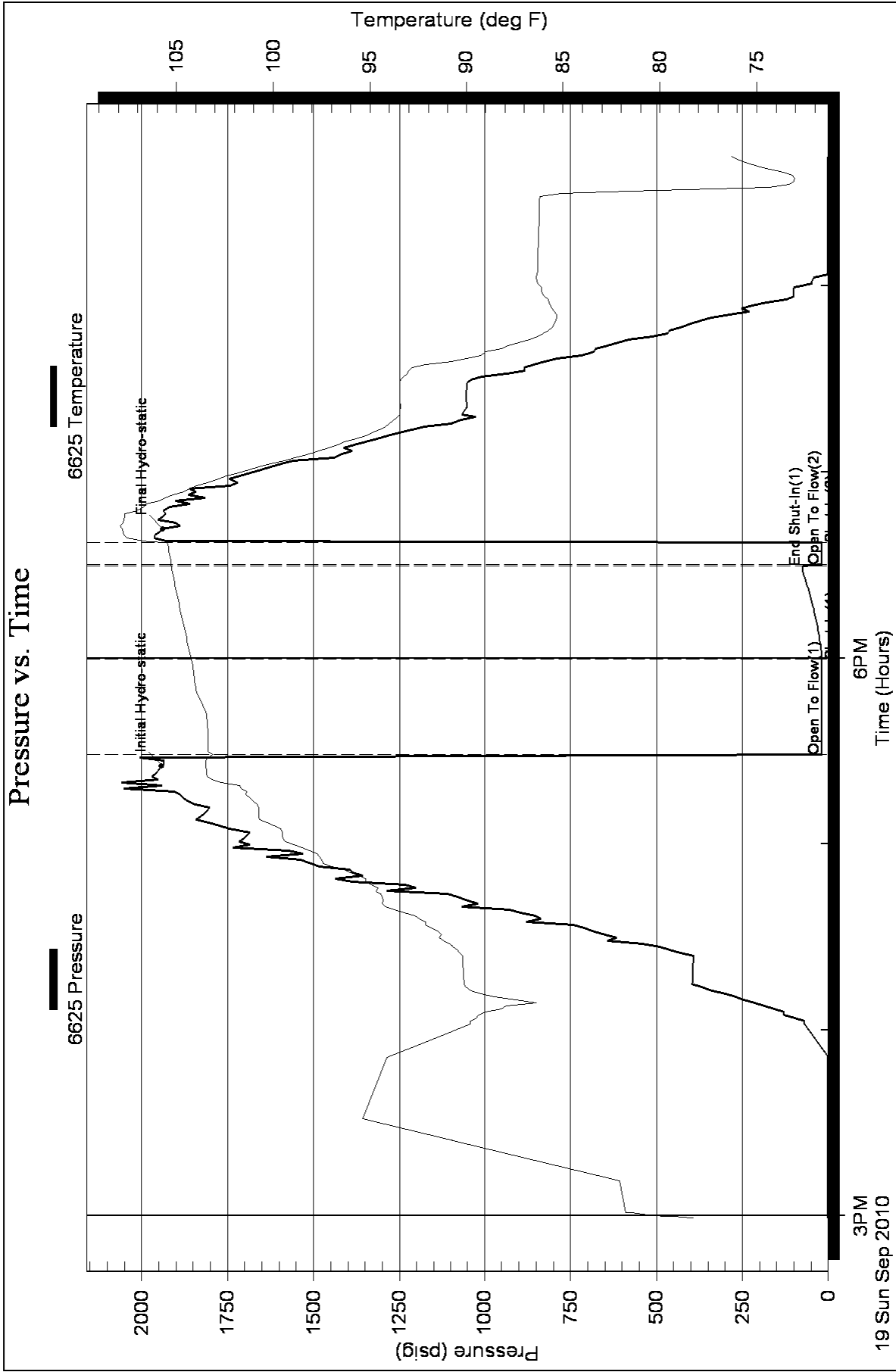
Length ft	Description	Volume bbl
2.00	Mud w/show of oil	0.010

Total Length: 2.00 ft      Total Volume: 0.010 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: Scott Corsair

**Ryersee #4-33**  
**33-18s-21w Ness**  
Job Ticket: 40145      **DST#: 2**  
Test Start: 2010.09.20 @ 04:10:56

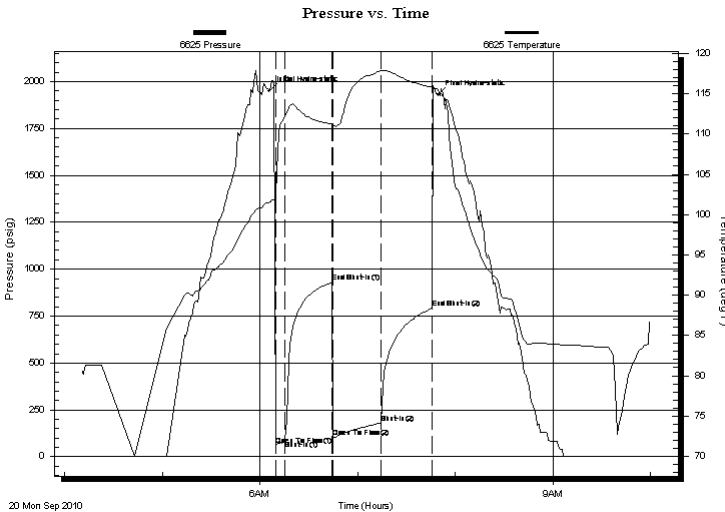
## GENERAL INFORMATION:

Formation: **Cher Sd "B"**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole  
Time Tool Opened: 06:09:21      Tester: Ray Schwager  
Time Test Ended: 09:59:20      Unit No: 42  
**Interval: 4100.00 ft (KB) To 4165.00 ft (KB) (TVD)**      Reference Elevations: 2114.00 ft (KB)  
Total Depth: 4165.00 ft (KB) (TVD)      2108.00 ft (CF)  
Hole Diameter: 7.85 inches Hole Condition: Fair      KB to GR/CF: 6.00 ft

**Serial #: 6625      Inside**  
Press @ Run Depth: 180.74 psig @ 4104.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.09.20      End Date: 2010.09.20      Last Calib.: 2002.08.30  
Start Time: 04:10:56      End Time: 09:59:20      Time On Btm: 2010.09.20 @ 06:05:51  
Time Off Btm: 2010.09.20 @ 07:49:21

**TEST COMMENT:** IFP-w k to strg in 5 min  
ISIP-surface bl bk  
FFP-w k to strg in 12 min  
FSIP-no bl bk

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.62	101.53	Initial Hydro-static
4	60.28	102.22	Open To Flow (1)
10	86.73	112.20	Shut-In(1)
39	929.21	111.21	End Shut-In(1)
39	103.74	111.02	Open To Flow (2)
69	180.74	117.81	Shut-In(2)
100	790.34	115.77	End Shut-In(2)
104	1928.47	115.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	80'GIP	0.00
10.00	CO	0.05
92.00	OCM10%O10%W80%M	0.45
124.00	SOCMW 2%O30%M68%W	1.58
124.00	Water	1.74

## 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: Scott Corsair

**Ryersee #4-33**  
**33-18s-21w Ness**  
Job Ticket: 40145      **DST#: 2**  
Test Start: 2010.09.20 @ 04:10:56

## Mud and Cushion Information

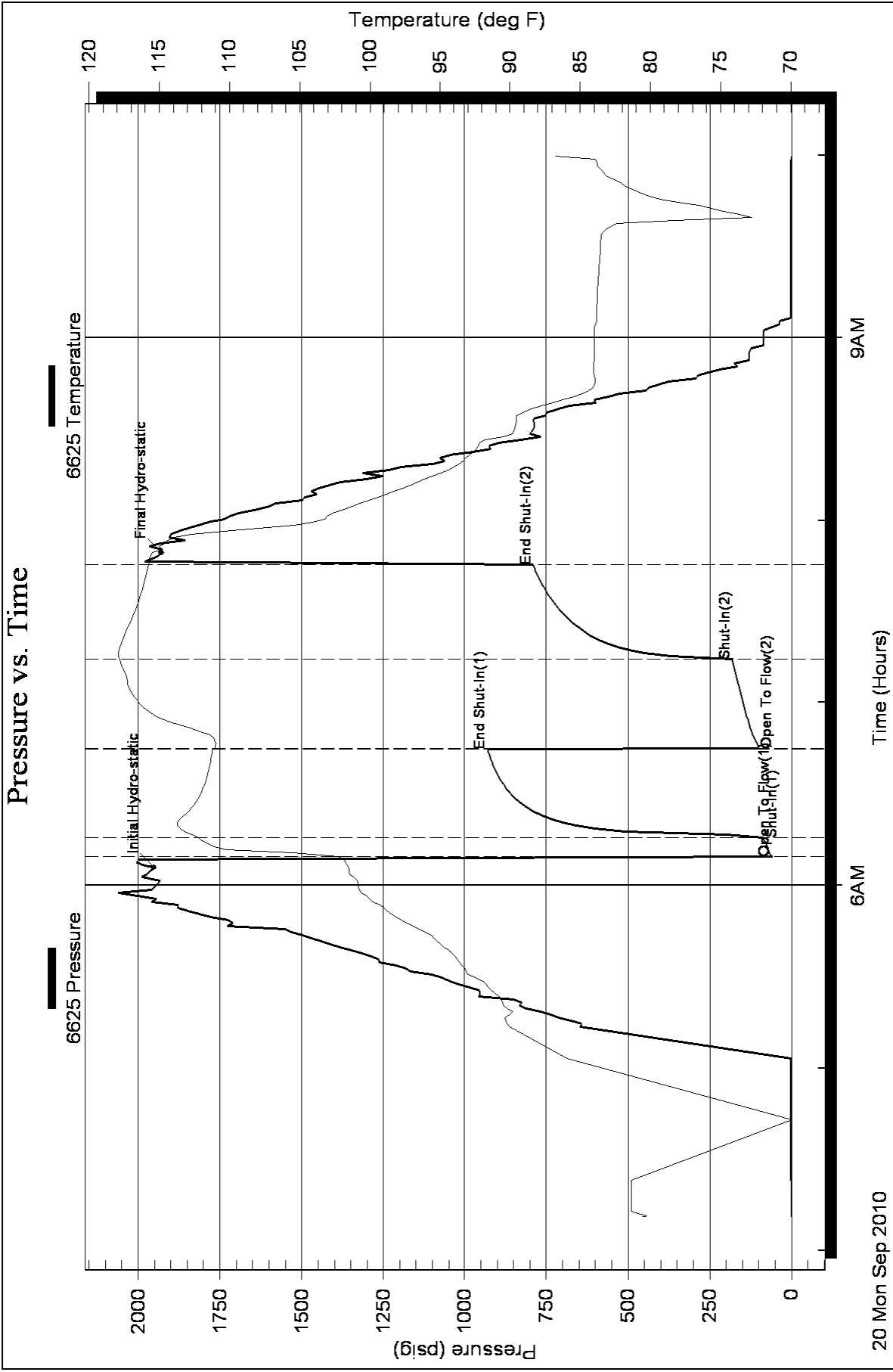
Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 20000 ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.69 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4700.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	80'GIP	0.000
10.00	CO	0.049
92.00	OCM10%O10%W80%M	0.452
124.00	SOCMW 2%O30%M68%W	1.575
124.00	Water	1.739

Total Length: 350.00 ft      Total Volume: 3.815 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW .3 @ 79F





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
P O Box 399  
Garden City Ks 67846  
ATTN: Scott Corsair

**Ryersee #4-33**  
**33-18s-21w Ness**  
Job Ticket: 40146      **DST#: 3**  
Test Start: 2002.09.20 @ 18:39:56

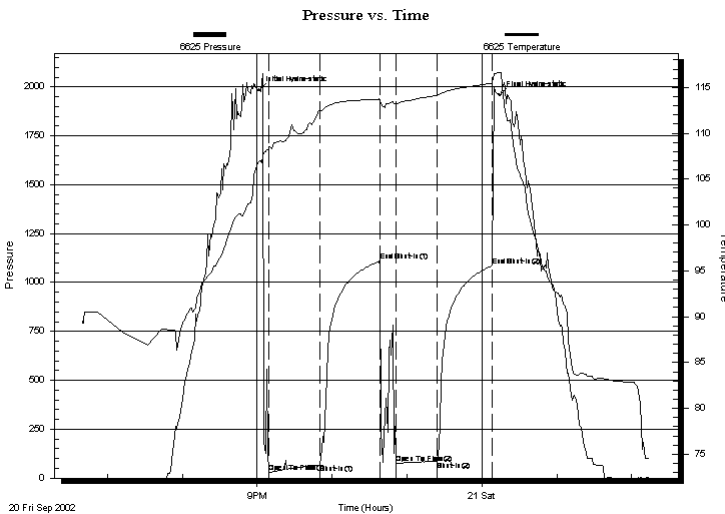
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 21:08:56  
Time Test Ended: 02:14:56  
Interval: **4190.00 ft (KB) To 4197.00 ft (KB) (TVD)**  
Total Depth: 4197.00 ft (KB) (TVD)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
Reference Elevations: 2114.00 ft (KB)  
2108.00 ft (CF)  
KB to GR/CF: 6.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Ray Schwager  
Unit No: 42

**Serial #: 6625      Inside**  
Press @ Run Depth: 85.86 psig @ 4191.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2002.09.20      End Date: 2002.09.21      Last Calib.: 2002.08.31  
Start Time: 18:40:01      End Time: 02:14:55      Time On Btm: 2002.09.20 @ 21:01:26  
Time Off Btm: 2002.09.21 @ 00:13:56

TEST COMMENT: IFP-w k bl thru-out 1/2" to 2" bl  
ISIP-no bl bk  
FFP-w k bl thr-out 1/4" to 2" bl  
FSIP-no bl bk

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.91	106.88	Initial Hydro-static
8	28.35	108.17	Open To Flow (1)
49	68.07	112.47	Shut-In(1)
97	1108.56	113.72	End Shut-In(1)
110	75.09	113.22	Open To Flow (2)
143	85.86	114.16	Shut-In(2)
187	1087.31	115.47	End Shut-In(2)
193	1956.06	116.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCMW 20%O10%M70%W	0.02
120.00	MGO 5%G10%M85%O	0.64
30.00	OCM 15%O85%M	0.42
40.00	CO	0.56

## 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: Scott Corsair

**Ryersee #4-33**  
**33-18s-21w Ness**  
Job Ticket: 40146      **DST#: 3**  
Test Start: 2002.09.20 @ 18:39:56

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5400.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCMW 20%O10%M70%W	0.025
120.00	MGO 5%G10%M85%O	0.636
30.00	OCM 15%O85%M	0.421
40.00	CO	0.561

Total Length: 195.00 ft      Total Volume: 1.643 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: RW .35@75F

