



KANSAS CORPORATION COMMISSION 1048170  
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: \_\_\_\_\_



1048170

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 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	Rein Unit 1
Doc ID	1048170

Tops

Name	Top	Datum
Anhydrite	1553	+778
Heebner	3840	-1509
Lansing	3884	-1553
BKC	4218	-1887
Pawnee	4323	-1992
Ft. Scott	4372	-2046
Cherokee	4396	-2065
Mississippian	4468	-2137
RTD	4479	-2148



Services, Inc.

CHARGE TO: **American Warrior Inc.**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
**18336**  
 PAGE 1 OF 1

SERVICE LOCATIONS  
 1. **Ness City KS**  
 2.  
 3.

WELL/PROJECT NO: **Rein Unit**  
 LEASE: **Ness**  
 COUNTY/PARISH: **Ness**  
 STATE: **KS**  
 CITY: **Ness City**  
 DATE: **3-3-10**  
 OWNER:

TICKET TYPE: **SALES**  
 CONTRACTOR: **Petro-Mark Drilling Co.**  
 RIG NAME/NO.:  
 WELL TYPE: **Oil**  
 WELL CATEGORY: **Development**  
 JOB PURPOSE: **Cement Surface**  
 DELIVERED TO: **Barine**  
 WELL PERMIT NO.:  
 WELL LOCATION: **Barine 55, WEN into**

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC.	ACCT.	DF.							
575					MILEAGE TRK # 114	25	mi			5.00	125.00
576S					Pump Charge Shallow Surface	1	ea			750.00	750.00
581					Service Charge Cement	150	ds			1.50	225.00
582					Minnyan Drays Charge	1	ea			250.00	250.00
325					Standard Cement	150	ds			11.00	1650.00
278					Celcium Chloride	4	cks			35.00	140.00
279					Bentonite Gel	3	sds			20.00	60.00
290					D-Air	2	gal			35.00	70.00

**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 **Carly Reath**  
 DATE SIGNED: **3-3-10** TIME SIGNED: **18:30**  
 DAY  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?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **3220.00**

TAX: **TOTAL**

SWIFT OPERATOR: **Brett Corser**  
 APPROVAL:  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
**Thank You!**

JOB LOG

SWIFT Services, Inc.

DATE 3-3-10 PAGE NO.

CUSTOMER American Warrior WELL NO. 1 LEASE Rein Unit JOB TYPE Cement Surface Pipe TICKET NO. 18336

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							On Location TD 214' JP 214' PS 214' 8 5/8 23#
	1845							Start 8 5/8 Casing
	1900							Break Circulation
	1940	5	5	✓			100	Pump Water spacer
		4		✓			100	Start Cement 150 sks @ 14.7 pps
	1950		36					- Shut Down Cement
		5						Start Displacement
		5	9	✓				Cement to Surface 20 sks top it
	2000		12.8				400	Land Plug - Shut in Wash Truck
	2015							Job Complete Thank you Brett, Dave & Blaine



Services, Inc.

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

TICKET 18340  
 PAGE 1 OF 2

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

WELL/PROJECT NO. Rein Unit  
 TICKET TYPE CONTRACTOR  
 SERVICE Retro-Mark Drilling Co.  
 WELL TYPE Oil  
 INVOICE INSTRUCTIONS

LEASE Ness  
 COUNTY/PARISH Ness  
 RIG NAME/NO. 2  
 WELL CATEGORY Development  
 JOB PURPOSE Cement 5 1/2 Casing

STATE KS  
 CITY Ness City  
 SHIPPED VIA Balance  
 DELIVERED TO Balance  
 WELL PERMIT NO.  
 DATE 3-9-10  
 ORDER NO.  
 WELL LOCATION Balance SS, 2 1/2" E, Amt.

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK #114	25	mi			5.00	125.00
578					Pump Charge Logging	1	ea			1400.00	1400.00
221					Liquid KCL	2	gal			25.00	50.00
281					Mud Flush	500	gal			1.00	500.00
402					Centralizer	5	ea			55.00	275.00
403					Cement Basket	2	ea			180.00	360.00
404					Port Collar	1	ea			1900.00	1900.00
406					Latch Down Plug Baffle	1	ea			225.00	225.00
407					Insert Flange Spew/Headfill	1	ea			275.00	275.00
419					Rotating Head Rental	1	ea			4800.00	4800.00

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

DATE SIGNED 3-9-10 TIME SIGNED 2:03:00  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?  
 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?  
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5110.00  
 TAX 3248.50  
 TOTAL 8358.50

SWIFT OPERATOR Bruff Corsey APPROVAL

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-9-16 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 1 LEASE Rein Unit JOB TYPE Cement 5 1/2 Casing TICKET NO. 18390

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							On Location 5 1/2 19.5# Cent. 1, 2, 3, 4, 70 TD-4480' Basket-4, 71 TP-4482' PC #71 1542' RS-4479' SJ-42'
	2130							Start 5 1/2 Casing
	2330							Break Circulation
	0000	6 3/4	32		✓			250 Pump Mud Fhs L & KCL Flush
	0005	3	7		✓			Plug Rat Hole 30skts
	0010	4			✓			200 Start Cement 145skts @ 1515 pps
			35					— Shut Down - Release Plug - Wash Pumps
	0030	6 3/4			✓			200 Start Displacement
		6 3/4	87		✓			300 Lift Cement
			<del>87</del>		✓			800 Max Lift
	0045		105.6					1500 Land Plug - Release - Hold
								Wash Truck
	0130							Job Complete
								Thank you Brett, Dave & Lane



Swanton, Inc

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

TICKET CONTINUATION

TICKET No. 18340

CUSTOMER  
American Warrior

WELL  
Rein Unit #1

DATE  
3-9-10

PAGE 2 OF 2

LINE	DESCRIPTION	QTY	UNIT	WELL	DATE	PRICE	TOTAL	
325	Standard Cement	1				11.00	1925.00	
276	Flocelc	1				1.50	66.00	
283	Salt	1				0.45	135.00	
284	Cal Seal	1				30.00	240.00	
290	D-Air	1				35.00	70.00	
292	Halad 322	1				6.50	812.50	
581							262.50	
582							250.00	
SERVICE CHARGE							1.00	
TOTAL WEIGHT							18394	
LOADED MILES							25	
CUBIC FEET							175	
TON MILES								
TOTAL								3249.50

CONTINUATION OF





**Services, Inc.**

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

TICKET 18426

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Ness City, KS  
 2.  
 3.  
 REFERRAL LOCATION

WELL/PROJECT NO.: 1  
 LEASE: Kern Unit  
 COUNTY/PARISH: Ness  
 STATE: KS  
 CITY: Ness City  
 DATE: 5-23-10  
 OWNER:

TICKET TYPE: SERVICE  
 CONTRACTOR: H-D Oilfield Services  
 RIG NAME NO.: 4  
 SHIPPED VIA: Balance  
 ORDER NO.:  
 WELL TYPE: Oil  
 WELL CATEGORY: Development  
 JOB PURPOSE: Cement Port Coller  
 WELL PERMIT NO.:  
 WELL LOCATION: Balance, 2 1/4 E, N 1/4

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM.	QTY.	UM.	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK # 114	25	mi			5.00	125.00
576D					Pump Charge Port Coller	1	ec			1100.00	1100.00
581					Service Charge Cement	200	sk			1.50	300.00
582					Minimum Dragege Charge	150	sk			2.50	250.00
330					Swift Multin-Density-Floccle	50	lbs			14.00	2100.00
276					D-Air	2	gal			35.00	70.00
290					Port Coller Tool Rental/Man	1	hr			300.00	300.00
105											

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

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

X **Scott**  
 DATE SIGNED: 5-23-10  
 TIME SIGNED: 11:00  
 BY: [Signature]

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

**SURVEY**

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO

WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4320.00

TOTAL: 4454.89

TAX: 7.55  
 5.5%

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

SWIFT OPERATOR: Brentt Corcoran  
 APPROVAL: [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-23-10 PAGE NO.

CUSTOMER American Warrior WELL NO. 1 LEASE Rain Unit JOB TYPE Cement Top Stage TICKET NO. 18426

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							On Location 2 3/8 x 5 1/2 PC @ 1542'
	1155			✓			1000	Pressure Test - Held
	1200	3 1/4		✓		400		Injection Rate - Tool Open
	1205			✓				Start Cement 11.2 ppg
			75	✓				Cement to Surface
			83	✓				150 sks Total 15 sks top it
								Shut Down Cement - Start Displacem.
	1230		5			200		Shut Down - Shut in
				✓		1000		Close Tool - Pressure Test - Held
								Run 4 JIs
	1240		20	✓				Reverse Clean
								Wash Truck
	1330							Job Complete
								Thank you Brett, Waver

# **Geological Report**

American Warrior, Inc.

## **Rein Unit #1**

130' FSL & 540' FWL

Sec. 28 T19s R21w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Rein Unit #1  
130' FSL & 540' FWL  
Sec. 28 T19s R21w  
Ness County, Kansas  
API # 15-135-24924-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: March 3, 2010

Completion Date: March 10, 2010

Elevation: 2325' Ground Level  
2331' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 to GG road, South on GG road to 70 road. West on 70 road 3/4 mi. North into location.

Casing: 214' 8 5/8" surface casing  
4476' 5 1/2" production casing

Samples: 10' wet and dry, 3700' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

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

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>American Warrior, Inc.</b>
	<b>Rein Unit #1</b>
	<b>Sec. 28 T19s R21w</b>
	<b>130' FSL &amp; 540' FWL</b>
Anhydrite	<b>1553', +778</b>
Base	<b>1587', +744</b>
Heebner	<b>3840', -1509</b>
Lansing	<b>3884', -1553</b>
BKc	<b>4218', -1887</b>
Pawnee	<b>4323', -1992</b>
Fort Scott	<b>4372', -2046</b>
Cherokee	<b>4396', -2065</b>
Mississippian	<b>4468', -2137</b>
RTD	<b>4477', -2146</b>

## Sample Zone Descriptions

**Mississippian Osage (4468', -2137):**      **Covered in DST #1**  
 Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, good oil stain with light scattered saturation, good show of free oil, good odor, bright yellow cut fluorescents, 51 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Brett Dickinson"

**DST #1**

**Mississippian Osage**

Interval (4469' – 4477') Anchor Length 8'

IHP	– 2204 #	
IFP	– 45" – Built to 4 ¾ in.	18-45 #
ISI	– 45" – Dead	1244
FFP	– 45" – Built to 3 ½ in.	50-67 #
FSI	– 45" – Dead	1211 #
FHP	– 2135 #	
BHT	– 117°F	

Recovery:	50' GIP	
	120' Clean Oil	
	20' WMCO	60% Oil
	15' SOCWM	10% Oil

**Structural Comparison**

	American Warrior, Inc. Rein Unit #1 Sec. 28 T19s R21w 130' FSL & 540' FWL	Woolsey Petroleum Corp. Frank Rein B #2 Sec. 29 T19s R21w C SE SE		American Warrior, Inc. Rein-SJ #1 Sec. 33 T19s R21w 335' FNL & 2633' FWL	
<b>Formation</b>					
Anhydrite	<b>1553', +778</b>	NA	<b>NA</b>	1549', +784	<b>(+17)</b>
Base	<b>1587', +744</b>	NA	<b>NA</b>	1583', +750	<b>NA</b>
Heebner	<b>3840', -1509</b>	3833', -1519	<b>(+10)</b>	3834', -1501	<b>(+18)</b>
Lansing	<b>3884', -1553</b>	3880', -1566	<b>(+13)</b>	3880', -1547	<b>(+21)</b>
BKc	<b>4218', -1887</b>	NA	<b>NA</b>	4210', -1877	<b>NA</b>
Pawnee	<b>4323', -1992</b>	4318', -2004	<b>(+12)</b>	4318', -1985	<b>(+21)</b>
Fort Scott	<b>4372', -2046</b>	4390', -2076	<b>(+30)</b>	4372', -2039	<b>(+29)</b>
Cherokee	<b>4396', -2065</b>	4408', -2094	<b>(+29)</b>	4390', -2057	<b>(+29)</b>
Mississippian	<b>4468', -2137</b>	4503', -2189	<b>(+62)</b>	4462', -2129	<b>(+42)</b>

## **Summary**

The location for the Rein Unit #1 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 examined the decision was made to run 5 1/2 inch production casing to further evaluate the Rein Unit #1 well.

## **Recommended Perforations**

**Mississippian Osage:           (4468' – 4473')                   DST #1**

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

# Hard Rock Consulting, Inc.

Jason Alm Petroleum Geologist  
 P. O. Box 1260  
 Hays, KS 67601

APT# 15-135-24924-0000

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR **American Licator, Inc**

LEASE **Rein Unit** WELL NO. **1**

FIELD **Midwest**

LOCATION **130' FSL & 540' FUL**

SEC. **28** TWP. **19s** RGE. **21w**

COUNTY **Ness** STATE **Kansas**

CONTRACTOR **Petromade Drilling LLC Rig #1**  
 COMM. **3-3-10** COMP. **3-10-10**  
 RTD **4472'** LOG TO **None**  
 SAMPLES SAVED FROM **3700'** TO **RTD**  
 DRILLING TIME KEPT FROM **3700'** TO **RTD**  
 SAMPLES EXAMINED FROM **3700'** TO **RTD**  
 GEOLOGICAL SUPERVISION FROM **3850'** TO **RTD**  
 MUD UP **3600'** TYPE MUD **Chemical**

FORMATION	TOP	LOG	DATUM	SAMPLE	TOP	DATUM	STRUCT.
Anhydrite				15582+778			
Base				15871+744			
Hedberg				3890-1509			
Lensing				3890-1553			
PK				4218-1887			
POUNCE				4273-1997			
Post Salt				4372-2046			
Chester				4376-2065			
MISSISSIPPIAN				4468-2137			
Tate				4907-2146			

### ELEVATION

KB **2331**

DF **2325**

Measurements Are All From **Kelly Bushing**

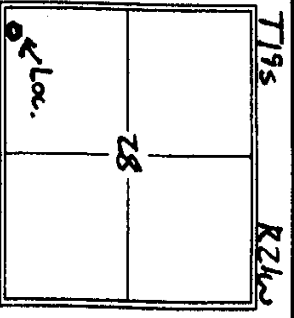
### CASING RECORD

SURFACE **8 5/8" @ 214'**

PRODUCTION **5 1/2" @ 4476'**

### ELECTRICAL SURVEYS

None

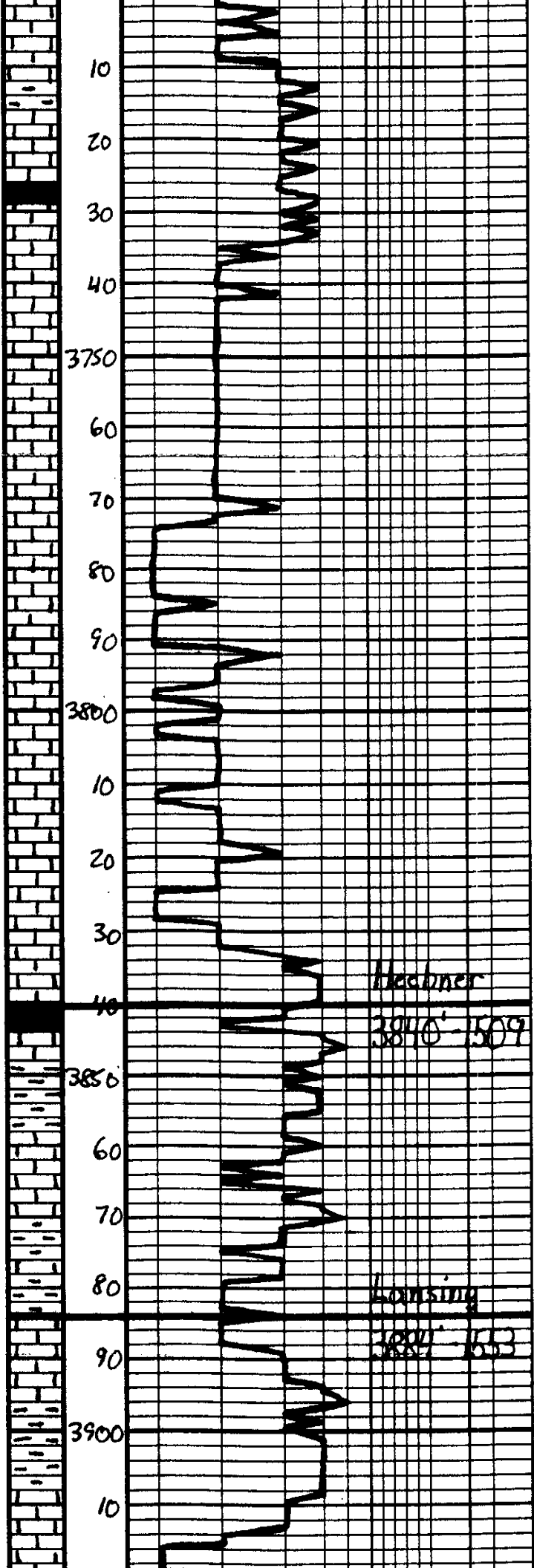


REFERENCE WELL FOR STRUCTURAL COMPARISON **American Licator, Inc**  
**Rein - ST#1 33S 19N & 26.38E LN. Sec. 28 T19S R21W**

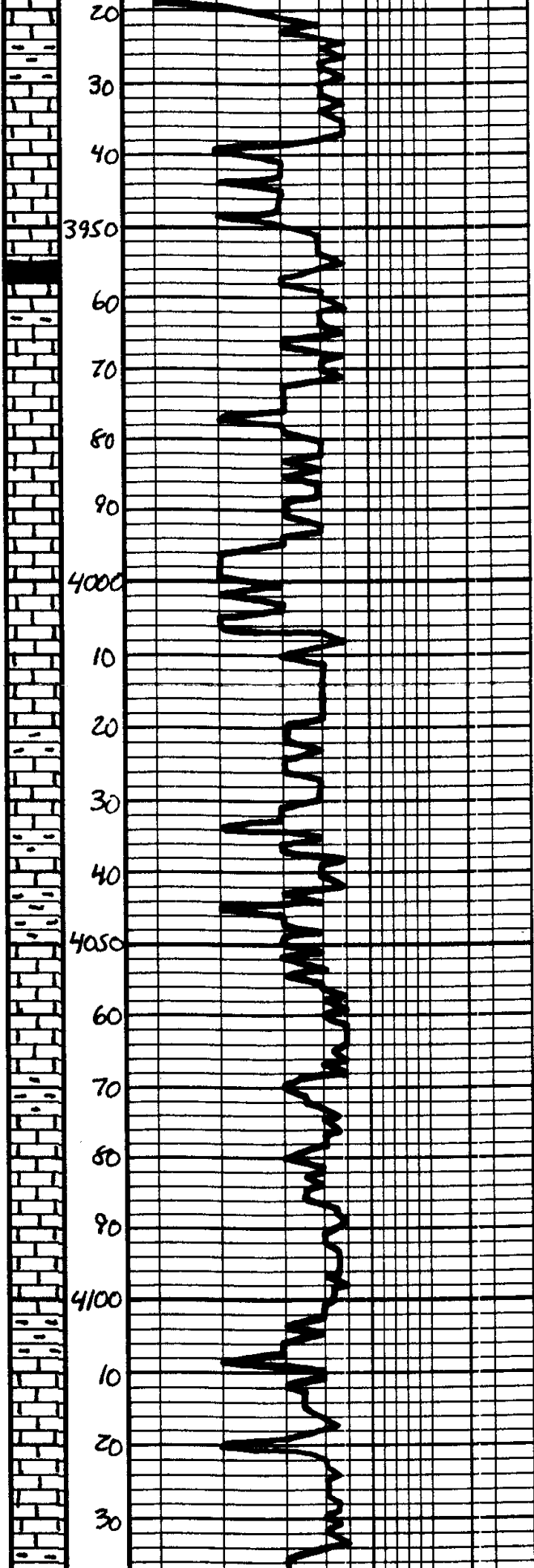
FORMATION	DEPTH	NO.	SIZE	DATE	TYPE	DEPTH



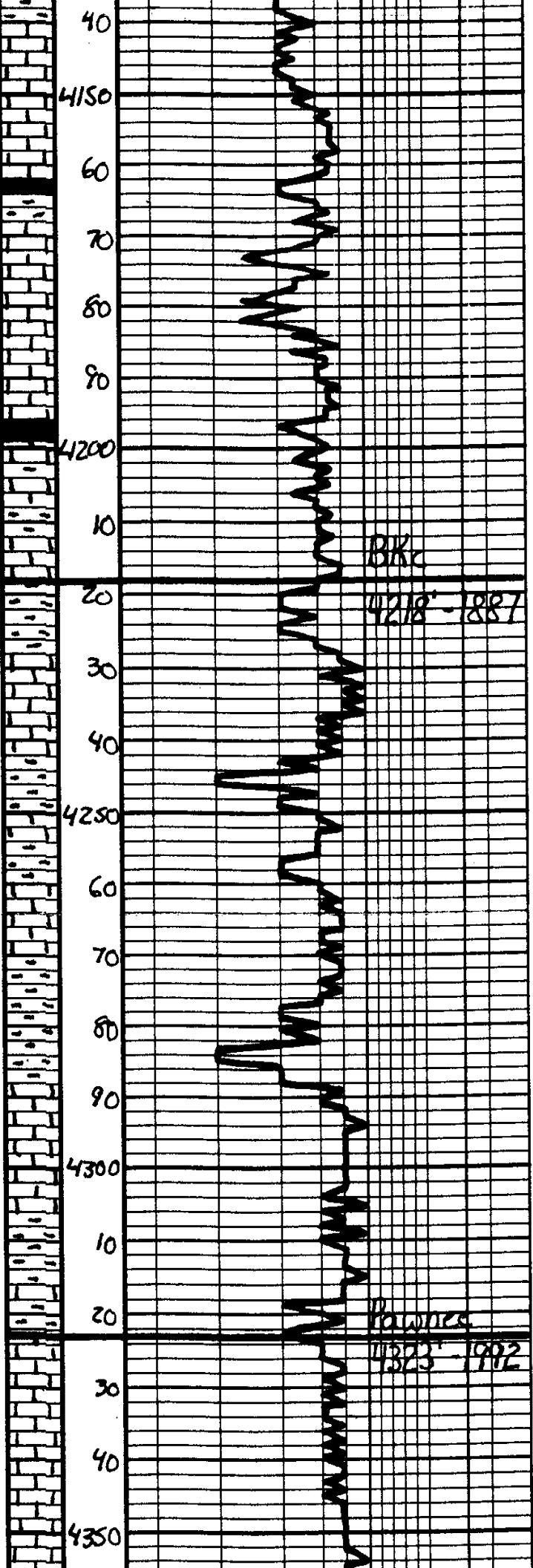




ls - Offshd. - Lt. Gray. Fossiliferous Mottled	Geo. on location 5:00 p.m. 3-7-10
ls - a/c, Subyle	
ls - a/c	
ls - Offshd. - Lt. Gray. Fossiliferous Mottled, Chalky	
ls - a/c	
ls - a/c	
ls - Offshd. - Lt. Gray. Fossiliferous Mottled, Fossiliferous, Chalky	
ls - a/c	
ls - a/c	
sh - BIR, Loda, Fossiliferous	
sh - Gray - Bea - Bea	
ls - Offshd. - Lt. Gray. Fossiliferous Fossiliferous & pyroclastic Banna	
sh - Gray - Bea - Bea	
ls - Offshd. - Lt. Gray. Fossiliferous Fossiliferous, w/ large amount Banna	
sh - Gray - Bea	Mud Vis. 52 Wt. 8.6
ls - Offshd. - Lt. Gray. Fossiliferous Fossiliferous, w/ large amount Banna	



Sh - Gay - Ben  
  
 LS - Offsh - Lt Gay, Faxlan  
 Fossil ool. w/ pore oom p.  
 Barren, S - Lt - Gay  
  
 Sh - Dk Gay  
  
 LS - Tan - Lt Gay, Faxlan  
 St. Fossil ool., DNS  
  
 LS - Tan - Lt Gay, Faxlan  
 Fossil ool. w/ pore - Fair  
 oom p. Barren  
  
 LS - Offsh - Lt Gay, Faxlan  
 Fossil ool. w/ pore - oom p.  
 Barren  
  
 LS - Offsh - Lt Gay, Faxlan  
 Substa. DNS  
  
 LS - ala, St. Fossil ool.  
 Mostly DNS  
  
 LS - ala, DNS  
  
 Sh - Gay - Ben  
  
 LS - Tan - Lt Gay, St. Middel  
 Substa. DNS  
  
 Sh - Gay - Ben  
  
 LS - Tan - Lt Gay, Faxlan  
 Fossil ool. w/ pore oom p.  
 Barren  
  
 LS - ala, Mostly DNS  
  
 Sh - Gay - Ben  
  
 LS - Offsh - Lt Gay, Faxlan  
 Fossil ool. w/ pore oom p.  
 Barren  
  
 LS - ala, DNS  
  
 Sh - S - B...



Ls. Tan - Lt. Gray, Pk. sh.  
 Fossiliferous, impure, mass of  
 Barren

Sh. Ddk Gray - BLK

Ls. - Off wh. Tan, Pk. sh.  
 Fossiliferous, impure, mass of  
 Barren

Ls. - ala, DNS

Sh. - BLK, Carb.

Ls. - Tan - Lt. Gray, Subala.  
 DNS

Ls. - ala

Sh. - Gray - Ben - Gen

Ls. - Tan - Lt. Gray, Subala.  
 DNS

Sh. - Gray - Ben - Red

Ls. - Tan - Lt. Gray, Subala.  
 DNS

Sh. - Ddk Gray - Gray - Gen

Ls. - Tan - Lt. Gray, Subala.  
 DNS, G. Whit. Gray

Ls. - ala

Sh. - Gray - Ben - Gen

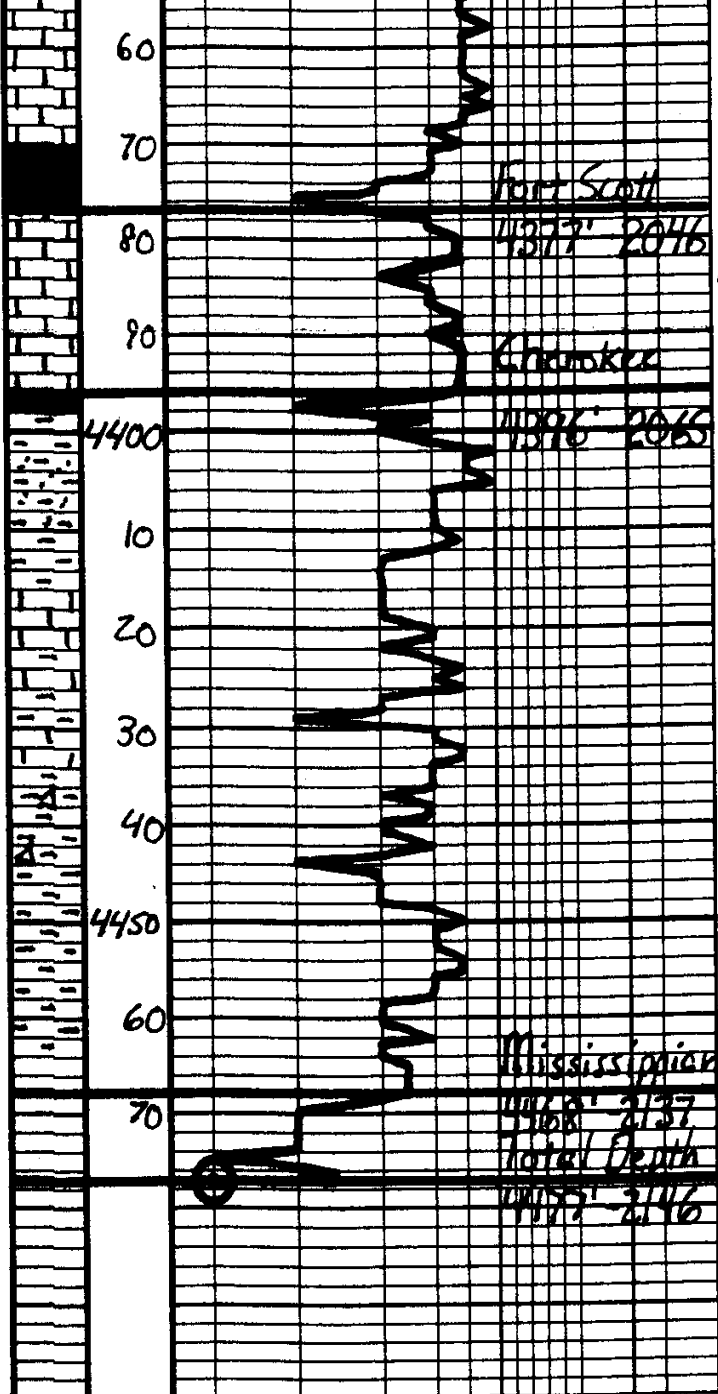
Sh. - Ddk Gray - Gray

Ls. - Tan - Lt. Gray, Subala, DNS

Ls. - Lt. Gray, Subala, DNS

Ls. - Lt. Gray - Gray, Subala.  
 DNS

Mud  
 V. s. Sl  
 Wt. 8.9



15 - a/c, "Shaly" - b/c	
16 Sh - Blk. Carb.	
12 Ls - Dark Tan, Fr - Subalal Dippr. shaly to tail shaly to 11' 10" from base. No Calc Fr - Blk. Sand.	
4 Sh - Dk Grey - Blk	DST # 1 Mississippian 4378' - 4377' 45' - 45' - 45' - 45'
Sh - Grey - Blk - Green, Fe Large Arg. Gr. Gr. Basal	IN 2804 IE 18.45# Built to 4 1/2 in.
Ls - Tan - Blk Grey, Subalal	ISI 1244# Dead FP 50-67# Built to 3 1/2 in.
Sh - Grey - Blk - Green, Fe - Blk - Blk, Basal Random Arg. Gr.	FSE 1211# Dead FH 2135# BHT 117F
Sh - a/c	Recovery: 50' LTP 120' Clean Oil 20' WMCO 15' SOGUM 10%
Sh - Dk Grey - Green	
51 Data - 4 1/2" (100) shaly Blk. Fr x/c w/ base 100' to 15' from top. Washed out 100' from entry to 100' oil 100' 6500' Blk. Fe. Floor.	Respectfully Jason 345-10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

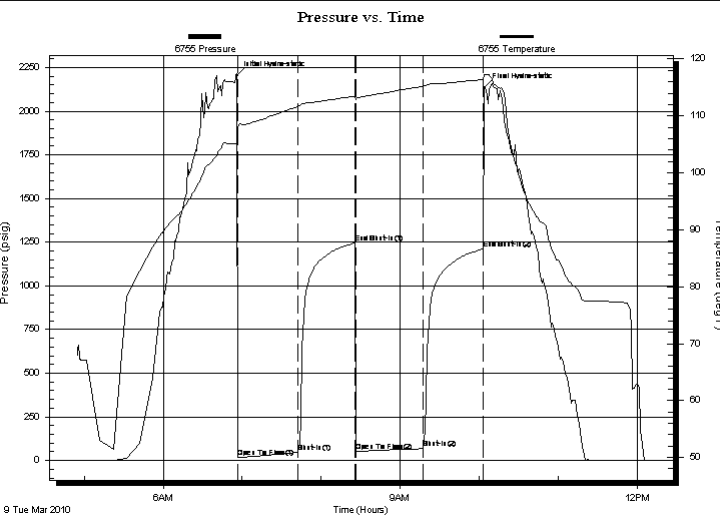
**Rein Unit #1**  
**28-19s-21w-Ness**  
 Job Ticket: 38087      **DST#: 1**  
 Test Start: 2010.03.09 @ 04:55:04

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 06:56:34  
 Time Test Ended: 12:05:34  
**Interval: 4469.00 ft (KB) To 4477.00 ft (KB) (TVD)**  
 Total Depth: 4477.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches      Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jason McLemore  
 Unit No: 32  
 Reference Elevations: 2331.00 ft (KB)  
 2325.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 6755      Inside**  
 Press @ Run Depth: 67.10 psig @ 4471.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2010.03.09      End Date: 2010.03.09      Last Calib.: 2010.03.09  
 Start Time: 04:55:06      End Time: 12:05:34      Time On Btm: 2010.03.09 @ 06:56:04  
 Time Off Btm: 2010.03.09 @ 10:04:04

**TEST COMMENT:** IFP-Fair Blow ,Built to 4-3/4"  
 ISI-Dead  
 FFP-Fair Blow ,Built to 3-1/2"  
 FSI-Dead



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.04	106.96	Initial Hydro-static
1	17.87	107.68	Open To Flow (1)
47	45.11	111.65	Shut-In(1)
90	1244.92	113.46	End Shut-In(1)
90	49.99	112.87	Open To Flow (2)
141	67.10	115.17	Shut-In(2)
187	1211.07	116.34	End Shut-In(2)
188	2135.49	117.23	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	SOCWM-10%O-15%W-75%M	0.07
20.00	WMCO-60%O-10%W-30%M	0.10
120.00	Clean Oil	0.89
0.00	50' Gas In Pipe	0.00

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**Rein Unit #1**  
**28-19s-21w-Ness**  
Job Ticket: 38087      **DST#: 1**  
Test Start: 2010.03.09 @ 04:55:04

## 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: 61.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4200.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCWM-10%O-15%W-75%M	0.074
20.00	WMCO-60%O-10%W-30%M	0.098
120.00	Clean Oil	0.891
0.00	50' Gas In Pipe	0.000

Total Length: 155.00 ft      Total Volume: 1.063 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

