



KANSAS CORPORATION COMMISSION 1144037  
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      Date Reached TD      Completion Date or  
Recompletion Date           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: \_\_\_\_\_



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

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

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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 <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Rothe 1-30
Doc ID	1144037

All Electric Logs Run

Micro
Porosity
sonic
Induction

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Rothe 1-30
Doc ID	1144037

Tops

Name	Top	Datum
Heebner	3740	-1394
Lansing	3781	-1435
Stark	4030	-1684
B/KC	4104	-1758
Marmaton	4107	-1761
Pawnee	4219'	-1873
Ft.Scott	4291	-1945
Cherokee	4319'	-1973
Mississippian	4391'	-2045

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Crest Road

DATE <u>4-2-13</u>	SEC. <u>30</u>	TWP. <u>19S</u>	RANGE <u>24W</u>	CALLED OUT <u>6 PM</u>	ON LOCATION <u>8 AM</u>	JOB START <u>11 PM</u>	JOB FINISH <u>11:25 PM</u>
LEASE <u>Mothe</u>	WELL# <u>1-30</u>	LOCATION <u>Mike S. W. Class City</u>	COUNTY <u>Wes</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Dyne Dally Inc

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 278'

CASING SIZE 8 5/8 DEPTH 278.17'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 100 MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 1.272 bbls

PERFS.

DISPLACEMENT 16.412 bbls

OWNER American Warrior

CEMENT

AMOUNT ORDERED 175 lbs Class A

3/16 - 66 - 21 - 60

COMMON	<u>175</u>	@ <u>17.90</u>	<u>3,132.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@ <u>64.00</u>	<u>384.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>188.79</u>	@ <u>2.48</u>	<u>468.07</u>
MILEAGE	<u>8.62 x 14 x</u>	<u>2.60</u>	<u>313.78</u>
			TOTAL <u>4,368.53</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Dan Jensen

# 606 HELPER Kevin Eddy

BULK TRUCK

# 599 DRIVER Don Casper

BULK TRUCK

# DRIVER

**REMARKS:**

Drop 5 bbl H2O spacer, break circulation,  
Pump 4.2 bbl cement @ 15-2 ppg.  
Launch plug. Displace with 16.412 bbls  
of Fresh water, shut down close in  
head. 1.272 bbl cement in casing.  
Approx 20' of fill. Circulated 19 bbls  
of cement to surface.

**SERVICE**

DEPTH OF JOB	<u>278</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 14</u>	@ <u>7.70</u>	<u>107.80</u>
MANIFOLD		@	
	<u>Hum 14</u>	@ <u>4.40</u>	<u>61.60</u>
		@	
			TOTAL <u>1,681.65</u>

CHARGE TO: American Warrior

STREET 3118 Cummings Rd

CITY Cooper City STATE KS ZIP 67826

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	

TOTAL

SALES TAX (If Any)	
TOTAL CHARGES	<u>6,050.18</u>
DISCOUNT	<u>1,512.54</u>
	<u>4,537.63</u>

IF PAID IN 30 DAYS

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME STEVE H STEPHENS

SIGNATURE Steve H Stephens



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

TICKET No 24252

PAGE 1 OF 2

SERVICE LOCATIONS: 1. ness city KS  
 WELL/PROJECT NO. 1-30 LEASE Rothe COUNTY/PARISH ness STATE KS CITY ness city DATE 11 APR 13 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR DUKE RIG NAME/NO. 8 SHIPPED VIA CT DELIVERED TO location ORDER NO.  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. WELL LOCATION 30-195-24W  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	16		mi		6.00	96.00
578		1			Pump Charge	1		ea		1500.00	1500.00
402		1			Centralizer	5 1/2	9	in	ea	70.00	630.00
403		1			Cement Baskets	5 1/2	2	in	ea	250.00	500.00
404		1			Port Collar	5 1/2	1	in	ea	2400.00	2400.00
406		1			Latch down Plug & Baffle	5 1/2	1	in	ea	250.00	250.00
407		1			Insert Float shoe w/ AUTO FILL	5 1/2	1	in	ea	350.00	350.00
419		1			Rotating head Rental	5 1/2	1	in	ea	200.00	200.00

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  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  A.M.  P.M.  
1300

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	5926.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	5235.25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total	11162.25
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				ness TAX 6.3%	564.87
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,727.12
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR AGH APPROVAL \_\_\_\_\_

Thank You!



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

TICKET CONTINUATION

TICKET No. 24252

CUSTOMER American Warrior WELL Rother 1-30 DATE 11 APR 13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	UM	QTY.	UM	PRICE	AMOUNT
325		1				STANDARD cement (Fu-84-2)	175	sk		13.50	2362.50	
284		1				Calseal	800	lb	8.50	35.00	280.00	
283		1				salt	900	lb		0.20	180.00	
292		1				halad-322	125	lb		7.75	968.75	
276		1				flocal	50	lb		2.00	100.00	
281		1				mix flush	500	gal		1.25	625.00	
221		1				KCL liquid	2	gal		25.00	50.00	
290		1				D-air	2	gal		35.00	70.00	
583		1				Drayage (min)	1	ea		250.00	250.00	
581		1				SERVICE CHARGE	175			2.00	350.00	
						MILEAGE CHARGE		TOTAL WEIGHT	LOADED MILES	TON MILES		

CONTINUATION TOTAL 5236.25

## JOB LOG

SWIFT Services, Inc.

DATE / APR 13 PAGE NO.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
CUSTOMER America Warrior	WELL NO. 1-30	LEASE Rothle	JOB TYPE Cement kg string	TICKET NO. 24252	DATE / APR 13 PAGE NO.			
								175 sk EA-2 w/ 1/2" floacle
								52 x 15.5 casing 107 ft 492'
								TD - 4500 Post Calc 68 14 86'
								Card sizes 1, 3, 5, 7, 9, 11, 13, 6, 7, 6, 9 Basket 2, 1, 8
								21' Shogit
	0630							on loc TRK 114
	0755							start 5 1/2" x 15.5 casing in well
	1000							Drop ball - circulate - ROTATE
	1115	3	12			280		Pump 500 gal mud flush
		3	20			280		Pump 20 bbl KCL flush
	1120		12					Plug RH - MH 30 sk - 20 sk
	1125	4	31			280		mix EA-2 cement 125 sk @ 15.3 ft
	1135							Drop latch down plug wash out pump & line
	1140	5 1/2				450		Displace plug
		5 1/2	10			480		
	1200	5 1/2	107			1500		hand plug
	1204							Release pressure to truck - dried up
	1210							wash truck
								Rack up
	1240							job complete
								Thank John, T J & Blaine





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

TICKET No. **24756**

PAGE 1 OF \_\_\_\_\_

1. SERVICE LOCATIONS <b>NESS CITY, KS</b>	WELL/PROJECT NO.	LEASE <b>ROTHE 1-30</b>	COUNTY/PARISH <b>NESS</b>	STATE <b>KS</b>	CITY <b>NESS CITY, KS</b>	DATE <b>8 MAY 13</b>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>CO. TOOLS</b>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>ACID/SQUEEZE/PORT COLLAR</b>	WELL PERMIT NO.	WELL LOCATION <b>7S, 6W, 12N, E LUTO</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 <sup>B</sup> 115	20		MIL		6.00	120.00
578					Pump CHARGE	1		JOB		1500.00	1500.00
300					REGULAR ACID	250		gal	15%	1.75	437.50
235					LWAIB-1	1/2		gal		40.00	20.00
105					PORT COLLAR OPENING TOOL	1		JOB		350.00	350.00
286					HALAD-1	20		lbs.		8.00	160.00
290					D-AIR	3		gal		42.00	126.00
276					FLOCKLE	35		lbs		2.00	70.00
325					STANDARD CEMENT	50		SX		14.00	700.00
330					SMD CEMENT	140		SX		17.00	2380.00
581					CEMENT SERVICE CHARGE	250		SX		2.00	500.00
582					MINIMUM DRAYAGE	2440		lbs	244.4 TM	1.10	252.00

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

X  
 DATE SIGNED **8 MAY 13** TIME SIGNED **1330**  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	<b>6613</b>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	<b>6852.02</b>





## DRILL STEM TEST REPORT

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

PO Box 399  
Garden City, KS 67846

ATTN: Kevin Tlmsn

### **Rothe #1-30**

### **30-19s-24w Ness,KS**

Start Date: 2013.04.09 @ 16:35:00

End Date: 2013.04.10 @ 01:02:15

Job Ticket #: 53112                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 14:10:07



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Tlmsn

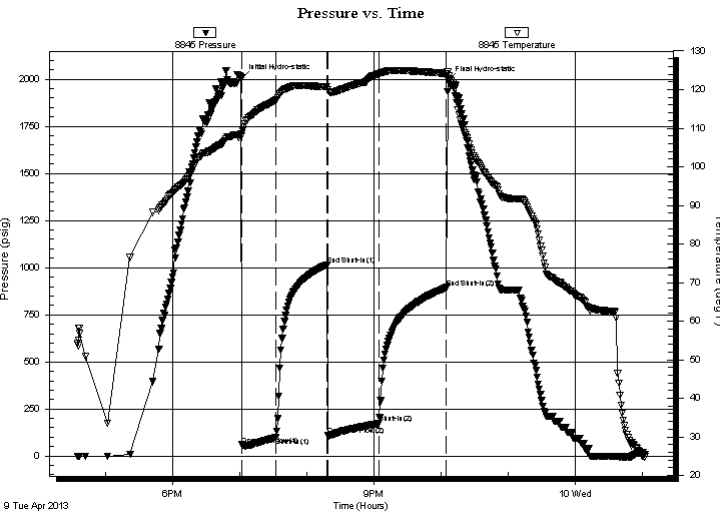
**30-19s-24w Ness, KS**  
**Rothe #1-30**  
Job Ticket: 53112      **DST#: 1**  
Test Start: 2013.04.09 @ 16:35:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 19:01:45      Tester: Sam Esparza  
Time Test Ended: 01:02:15      Unit No: 64  
**Interval: 4260.00 ft (KB) To 4357.00 ft (KB) (TVD)**      Reference Elevations: 2346.00 ft (KB)  
Total Depth: 4357.00 ft (KB) (TVD)      2337.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 9.00 ft

**Serial #: 8845      Outside**  
Press @ Run Depth: 172.48 psig @ 4261.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.04.09      End Date: 2013.04.10      Last Calib.: 2013.04.10  
Start Time: 16:35:05      End Time: 01:02:14      Time On Btm: 2013.04.09 @ 19:01:15  
Time Off Btm: 2013.04.09 @ 22:06:00

**TEST COMMENT:** IF: BOB @ 1 1/2 min.  
IS: Bled off for 5 min. 5 1/4" return.  
FF: BOB @ 1 min. Gas to surface @ 30 min.  
FS: Bled off for 5 min. BOB Return @ 14 min.



## PRESSURE SUMMARY

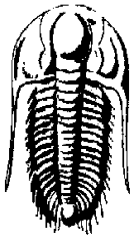
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.25	108.59	Initial Hydro-static
1	59.32	108.03	Open To Flow (1)
31	97.49	117.19	Shut-In(1)
77	1015.64	120.69	End Shut-In(1)
78	111.71	120.05	Open To Flow (2)
123	172.48	124.03	Shut-In(2)
184	894.57	124.15	End Shut-In(2)
185	1994.70	124.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
360.00	GMCO 20m 30g 50o	5.05
120.00	OG 60g 40o	1.68

## Gas Rates

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



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior, Inc.

**30-19s-24w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Rothe #1-30**

Job Ticket: 53112      **DST#: 1**

ATTN: Kevin Tlmsn

Test Start: 2013.04.09 @ 16:35:00

### GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:01:45

Time Test Ended: 01:02:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

**Interval: 4260.00 ft (KB) To 4357.00 ft (KB) (TVD)**

Reference Elevations: 2346.00 ft (KB)

Total Depth: 4357.00 ft (KB) (TVD)

2337.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

**Serial #: 6772      Outside**

Press @ Run Depth: psig @ 4261.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.09      End Date: 2013.04.10

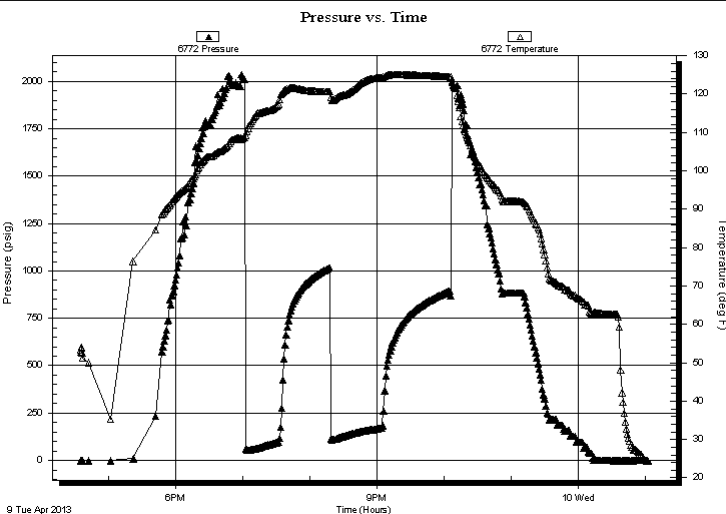
Last Calib.: 2013.04.10

Start Time: 16:35:05      End Time: 01:02:29

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB @ 1 1/2 min.  
IS: Bled off for 5 min. 5 1/4" return.  
FF: BOB @ 1 min. Gas to surface @ 30 min.  
FS: Bled off for 5 min. BOB Return @ 14 min.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
360.00	GMCO 20m 30g 50o	5.05
120.00	OG 60g 40o	1.68

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**30-19s-24w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Rothe #1-30**

Job Ticket: 53112

**DST#: 1**

ATTN: Kevin Tlmsn

Test Start: 2013.04.09 @ 16:35:00

## Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.80 inches	Volume: 59.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4260.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	125.00 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			4233.00	
Shut In Tool	5.00			4238.00	
Hydraulic tool	5.00			4243.00	
Jars	5.00			4248.00	
Safety Joint	3.00			4251.00	
Packer	5.00			4256.00	28.00 Bottom Of Top Packer
Packer	4.00			4260.00	
Stubb	1.00			4261.00	
Recorder	0.00	6772	Outside	4261.00	
Recorder	0.00	8845	Outside	4261.00	
Perforations	26.00			4287.00	
Change Over Sub	1.00			4288.00	
Drill Pipe	63.00			4351.00	
Change Over Sub	1.00			4352.00	
Bullnose	5.00			4357.00	97.00 Bottom Packers & Anchor

**Total Tool Length: 125.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**30-19s-24w Ness, KS**

PO Box 399  
Garden City, KS 67846

**Rothe #1-30**

Job Ticket: 53112

**DST#: 1**

ATTN: Kevin Tlmsn

Test Start: 2013.04.09 @ 16:35:00

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
360.00	GMCO 20m 30g 50o	5.050
120.00	OG 60g 40o	1.683

Total Length: 480.00 ft      Total Volume: 6.733 bbl

Num Fluid Samples: 0

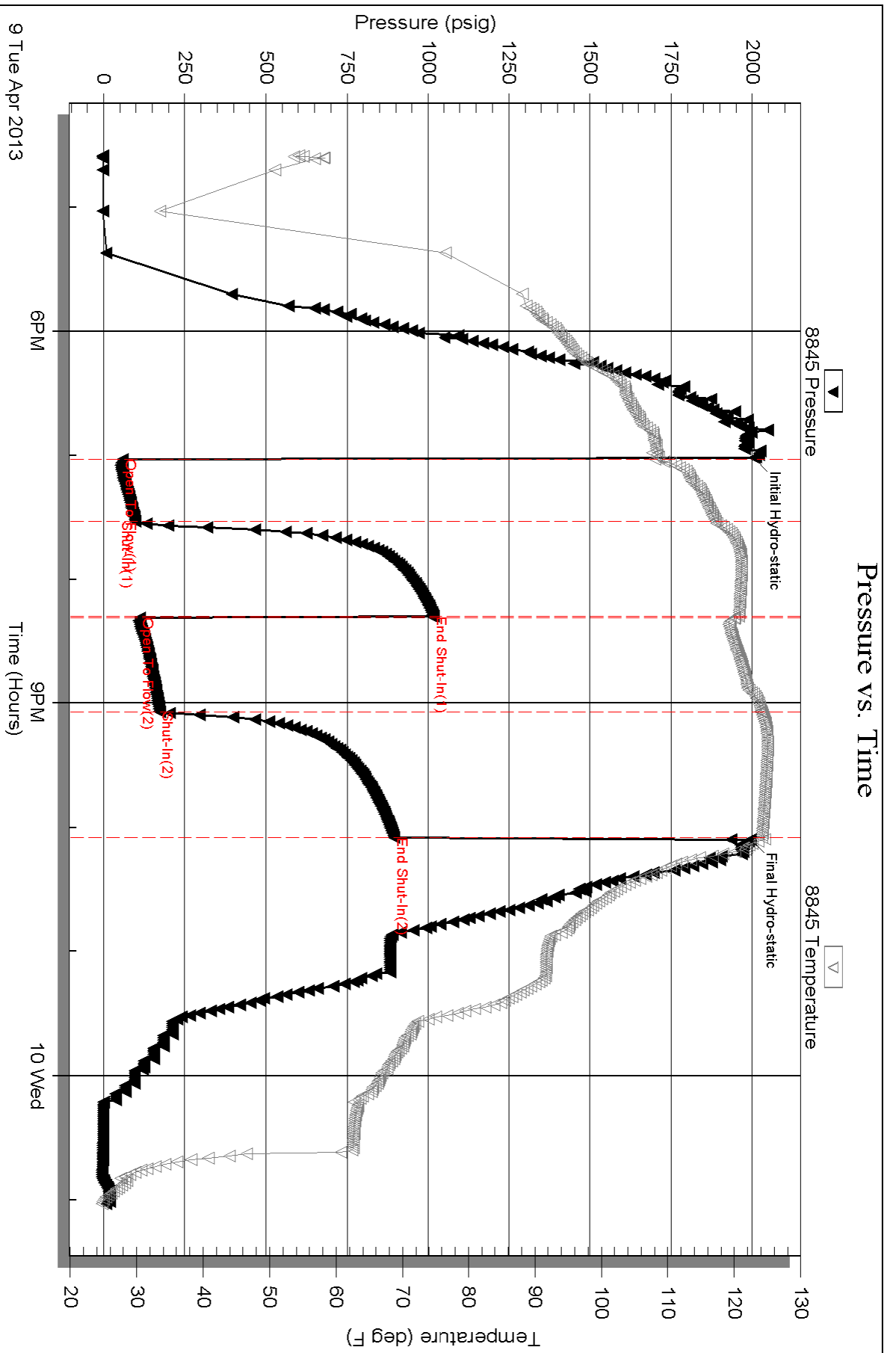
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity: 37 @ 30 degrees= 40 API



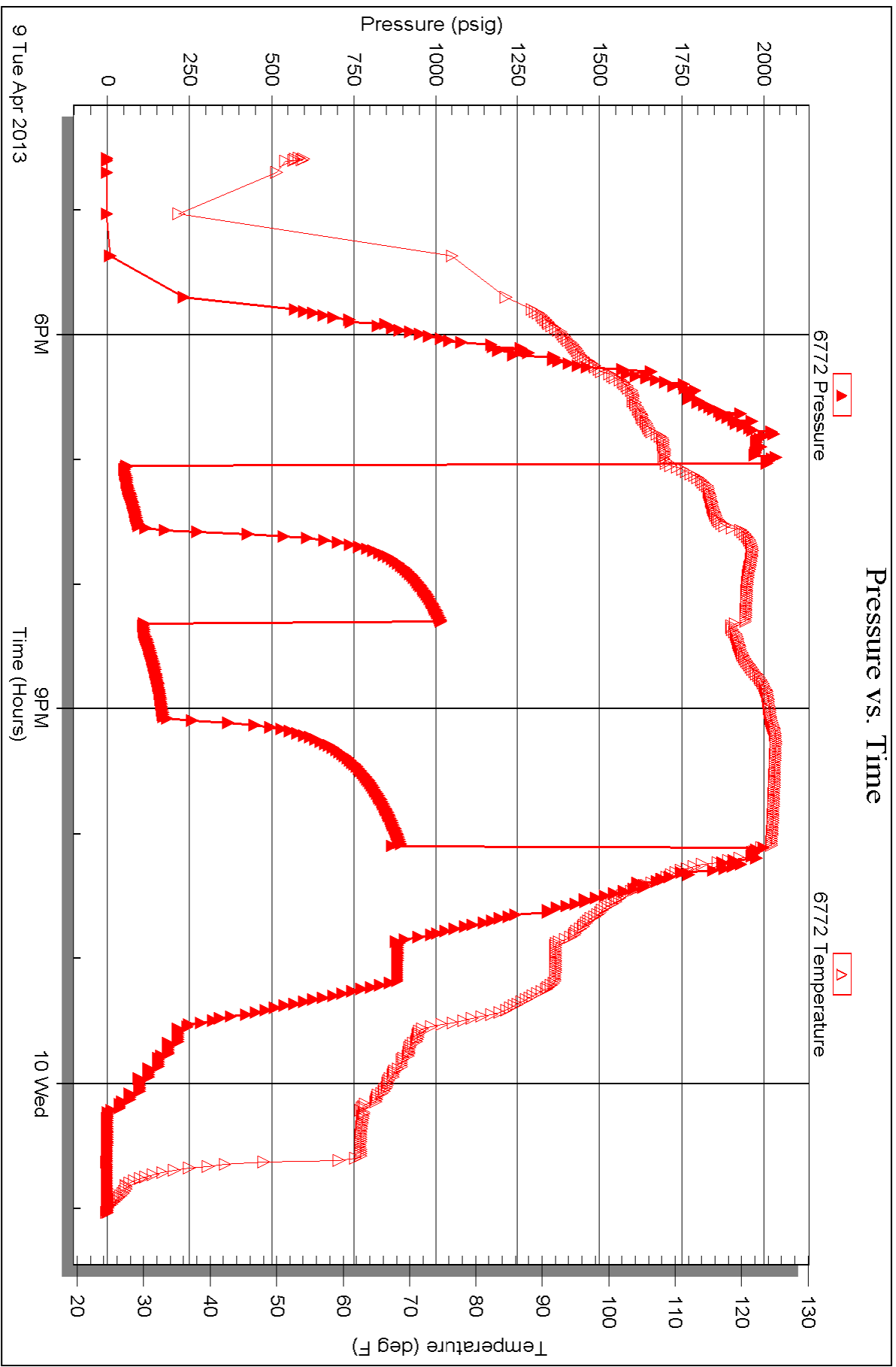


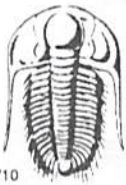
Serial #: 6772

Outside American Warrior, Inc.

Rothe #1-30

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53112

Well Name & No. Rothe #1-30 Test No. 1 Date 4/9/13  
 Company American Warrior, Inc Elevation 2346 KB 2337 GL  
 Address 3118 Cummings RD. PO Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #8  
 Location: Sec. 30 Twp. 19S Rge. 24W Co. Ness State KS

Interval Tested 4260-4357 Zone Tested Ft. Scott  
 Anchor Length 97' Drill Pipe Run 4248 Mud Wt. 9.0  
 Top Packer Depth 4256 Drill Collars Run Ø Vis 48  
 Bottom Packer Depth 4260 Wt. Pipe Run Ø WL 6.8  
 Total Depth 4357 Chlorides 4500 ppm System LCM 1

Blow Description IF: BOB @ 1/2 min.  
ISI: Bled off for 5 min. 54" return.  
FF: BOB @ 1 min. Gas to surface @ 30 min.  
FST: Bled off for 5 min. BOB return @ 14 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Ø</u>	<u>60</u>	<u>40</u>		
<u>360</u>	<u>Ø</u>	<u>30</u>	<u>50</u>		<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 480 BHT 124 Gravity 40 API RW — @ — °F Chlorides — ppm  
 (A) Initial Hydrostatic 2005  Test 1250 T-On Location 15:10  
 (B) First Initial Flow 59  Jars 250 T-Started 16:35  
 (C) First Final Flow 97  Safety Joint 75 T-Open 19:02  
 (D) Initial Shut-In 1016  Circ Sub N/C T-Pulled 22:05  
 (E) Second Initial Flow 112  Hourly Standby T-Out 1:02  
 (F) Second Final Flow 172  Mileage 128 R/T X 2 396.80 Comments 37 @ 30 degrees  
 (G) Final Shut-In 895  Sampler —  
 (H) Final Hydrostatic 1995  Straddle —

Initial Open 30  Shale Packer —  
 Initial Shut-In 45  Extra Packer —  
 Final Flow 45  Extra Recorder —  
 Final Shut-In 60  Day Standby —  
 Accessibility —  
 Sub Total 1971.80

Approved By \_\_\_\_\_ Our Representative [Signature]  
 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 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.

# **Geological Report**

American Warrior, Inc.

## **Rothe #1-30**

1784' FNL & 1659' FWL

Sec. 30, T19s, R24w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Rothe #1-30  
1784' FNL & 1659' FWL  
Sec. 30, T19s, R24w  
Ness County, Kansas  
API # 15-135-25563-0000

Drilling Contractor: Duke Drilling Co. Rig #8

Geologist: Kevin Timson

Spud Date: April 1, 2013

Completion Date: April 11, 2013

Elevation 2338' G.L.  
2346' K.B.

Directions: From Jetmore, KS at the intersection of Hwy 96 and Hwy 283. Go North on Hwy 238 15 miles to 60 Rd. Go West on 60 Rd. 7 miles to L Rd. Go North 2 miles on L Rd. and East into.

Casing: #23 8 5/8" surface casing @ 278 with 175 sacks Class A, 3% c.c, 2% gel. #15.5 5 1/2" production casing @ 4498 with 125 sacks EA-2. Port collar @ 1645.

Samples: 3700' to RTD 10' Wet & Dry

Drilling Time: 3700' to RTD

Electric Logs: Pioneer-Full Sweep "J. Long"

Drillstem Tests: One, Trilobite Testing, Inc. "Sam Esparza"

Problems: None

## Formation Tops

	<p><b>American Warrior, Inc.</b></p> <p><b>Rothe #1-30</b></p> <p><b>Sec. 30, T19s, R24w</b></p> <p><b>1784' FNL &amp; 1659' FWL</b></p>
<b>Formation</b>	
Heebner	3740' -1394
Lansing	3781' -1435
Stark	4030' -1684
BKC	4104' -1758
Marmaton	4107' -1761
Pawnee	4219' -1873
Fort Scott	4291' -1945
Cherokee	4319' -1973
Mississippian	4391' -2045
RTD	4500' -2154
LTD	4500' -2154

## Sample Zone Descriptions

**Mississippian Warsaw (4441' -2064)**      Not Tested

Dolomite grey. Slightly sucrosic/medium crystalline. Fair vuggy and poor to fair intercrystalline porosity. Fair stain and poor to fair saturation in porosity. Fair show of free oil and good show of free oil when broken. Good odor.

**Fort Scott (4291' -1945)**      Covered in DST #1

Limestone tan/brown. Medium crystalline. Fair oomoldic and fair oolycastic porosity. Fair stain and fair saturation in porosity. Poor to fair show of free oil and fair to good show of free oil when broken. Fair odor.

**Drill Stem Tests**  
 Trilobite Testing Inc.  
 “Sam Esparza”

**DST #1**

**Fort Scott Limestone**

Interval (4260' – 4357') Anchor Length 97'

IHP	- 2005 #	
IFP	- 30" – BOB in 90 seconds	59-97 #
ISI	- 45" – 5 ¼" return	1016 #
FFP	- 45" – BOB in 1 min. GTS in 30 min	112-172 #
FSIP	- 60" – BOB in 14 min	895 #
FHP	- 1995 #	
BHT	- 124 ° F	

Recovery: 120' OG (40% Oil) 40 Gravity  
 360' GMCO (50% Oil)

**Structural Comparison**

	American Warrior, Inc. Rothe #1-30 Sec. 30, T19s, R24w 1784' FNL & 1659' FWL		Pickrell Drilling Co. Mellies C #1 Sec. 30, T19s, R24w NE SE NE		American Warrior, Inc Rothe #1-25 Sec 25, T19s, R25w 1314' FSL & 2290' FEL
<b>Formation</b>					
Heebner	3740' -1394	-7	3724' -1387	-17	3754' -1377
Lansing	3781' -1435	-5	3767' -1430	-17	3795' -1418
Stark	4030' -1684	NA	NA	-11	4050' -1673
BKC	4104' -1758	-6	4089' 1752	-7	4128' -1751
Marmaton	4107' -1761	NA	NA	-2	4136' -1759
Pawnee	4219' -1873	-7	4203' -1866	-5	4245' -1868
Fort Scott	4291' -1945	-5	4277' -1940	-5	4317' -1940
Cherokee	4319' -1973	+13	4303' -1986	-7	4343' -1966
Miss.	4391' -2045	-1	4381' -2044	+19	4441' -2064

## Summary

The location for the Rothe #1-30 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which recovered commercial quantities of oil from the Fort Scott Limestone formation. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Rothe #1-30 well.

### Recommended Perforations

#### Primary:

Warsaw	(4404'-4408') & (4411'-4415')	Not Tested
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#### Perf & Squeeze:

Warsaw	(4434'-4436')
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#### Secondary:

Fort Scott	(4295'-4298')	DST #1
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#### Before Abandonment:

Fort Scott	(4312'-4319')
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Marmaton	(4159'-4162')
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Respectfully Submitted,

Kevin Timson  
American Warrior, Inc.

