



**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
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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: \_\_\_\_\_



1070446

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Kuehn 6-1
Doc ID	1070446

Tops

Name	Top	Datum
Anhydrite	1418	759
Heebner	3648	-1471
Lansing	3692	-1515
BKC	4019	-1842
Pawnee	4110	-1933
Ft. Scott	4180	-2003
Cherokee	4200	-2023
Mississippian	4266	-2089
RTD	4280	-2103



## DRILL STEM TEST REPORT

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

3118 Cummings Rd.  
Garden City, KS 67846

ATTN: Jason Alm

**Kuehn #6-1**

**1-19s-22w Ness,KS**

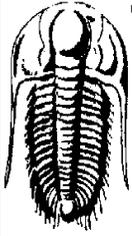
Start Date: 2011.10.26 @ 04:07:30

End Date: 2011.10.26 @ 11:34:30

Job Ticket #: 45268                      DST #: 1

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

Printed: 2011.11.02 @ 11:04:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.

**1-19s-22w Ness, KS**

3118 Cummings Rd.  
Garden City, KS 67846

**Kuehn #6-1**

Job Ticket: 45268

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:20:30

Time Test Ended: 11:34:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

**Interval: 4269.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Reference Elevations: 2177.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

2171.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8354 Inside**

Press @ Run Depth: 183.06 psig @ 4271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.26

End Date:

2011.10.26

Last Calib.: 2011.10.26

Start Time: 04:17:30

End Time:

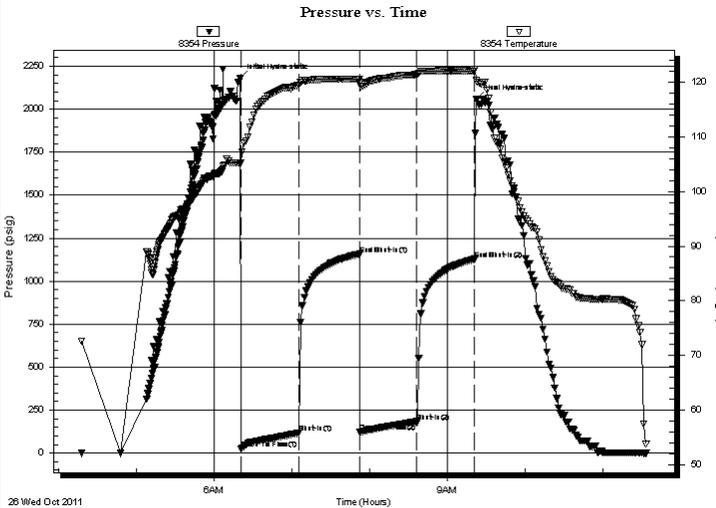
11:34:30

Time On Btm: 2011.10.26 @ 06:20:00

Time Off Btm: 2011.10.26 @ 09:22:30

**TEST COMMENT:** IF-Fair building blow . BOB in 15 minutes.  
ISI-Return @ 50 seconds. Built to 2 & 1/2 inches.  
FF-Fair building blow . BOB in 20 minutes.  
FSI-Return @ 60 seconds. Built to 3 inches.

## PRESSURE SUMMARY



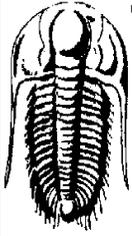
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.44	105.06	Initial Hydro-static
1	25.20	105.27	Open To Flow (1)
45	117.64	119.50	Shut-In(1)
92	1157.35	120.53	End Shut-In(1)
93	121.55	120.04	Open To Flow (2)
137	183.06	121.43	Shut-In(2)
181	1128.17	122.04	End Shut-In(2)
183	2056.31	120.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	90%Water/10%Mud	0.60
60.00	20%Gas/30%Oil/50%Mud	0.84
60.00	10%Gas/40%Oil/50%Mud	0.84
200.00	30%Gas/70%Oil	2.81
0.00	290' G.I.P.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior, Inc.

**1-19s-22w Ness, KS**

3118 Cummings Rd.  
Garden City, KS 67846

**Kuehn #6-1**

Job Ticket: 45268

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

## Tool Information

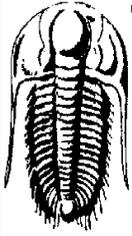
Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4269.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	28.00 Bottom Of Top Packer
Packer	4.00			4269.00	
Stubb	1.00			4270.00	
Perforations	1.00			4271.00	
Recorder	0.00	8354	Inside	4271.00	
Recorder	0.00	8520	Outside	4271.00	
Perforations	6.00			4277.00	
Bullnose	3.00			4280.00	11.00 Bottom Packers & Anchor

**Total Tool Length: 39.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.

**1-19s-22w Ness, KS**

3118 Cummings Rd.  
Garden City, KS 67846

**Kuehn #6-1**

Job Ticket: 45268

**DST#: 1**

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

## 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: 7400 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 1.12 ohm.m	Gas Cushion Pressure: psig	
Salinity: 7300.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	90%Water/10%Mud	0.599
60.00	20%Gas/30%Oil/50%Mud	0.842
60.00	10%Gas/40%Oil/50%Mud	0.842
200.00	30%Gas/70%Oil	2.805
0.00	290' G.I.P.	0.000

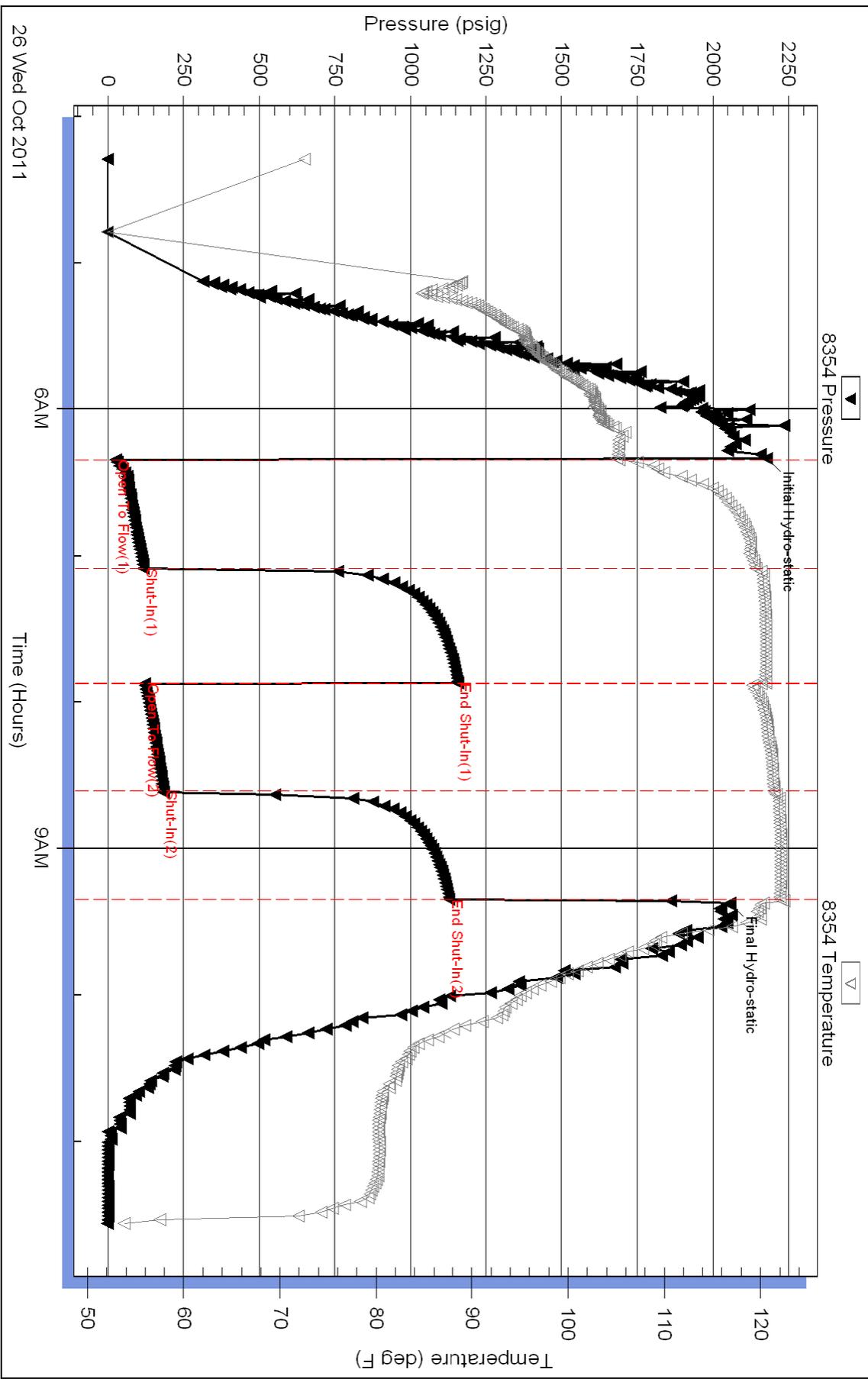
Total Length: 440.00 ft      Total Volume: 5.088 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: 290' G.I.P.

### Pressure vs. Time



26 Wed Oct 2011

6AM

Time (Hours)

9AM



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
OCT 31 2011

## Test Ticket

NO. 45268

Well Name & No. Kuehn #6-1 BY: \_\_\_\_\_ Test No. 1 Date 10-26-11  
 Company American Warrior, Inc. Elevation 2177 KB 2171 GL \_\_\_\_\_  
 Address 3118 Cummings Rd. Garden City, KS 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark 1  
 Location: Sec. 1 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4269-4280 Zone Tested Mississippian  
 Anchor Length 11' Drill Pipe Run 4134 Mud Wt. 9.2  
 Top Packer Depth 4264 Drill Collars Run 119 Vis 48  
 Bottom Packer Depth 4269 Wt. Pipe Run 0 WL 9.2  
 Total Depth 4280 Chlorides 7300 ppm System LCM 0

Blow Description IF - Fair building blow. BOB in 15 minutes,  
ISI - Return @ 50 seconds. Built to 2 1/2 inches,  
FF - Fair building blow. BOB in 20 minutes,  
FBI - Return @ 60 seconds. Built to 3 inches.

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>Gassy Oil</u>	<u>30</u>	<u>70</u>		
<u>60</u>	<u>Gassy HOCM</u>	<u>10</u>	<u>40</u>		<u>50</u>
<u>60</u>	<u>Gassy HOcm</u>	<u>20</u>	<u>30</u>		<u>50</u>
<u>120</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
<u>290'</u>	<u>G.I.P.</u>				

Rec Total 440 BHT 121 Gravity 40 API RW 1,118 @ 50 ° F Chlorides 7400 ppm  
 (A) Initial Hydrostatic 2178  Test 1225' T-On Location 0330  
 (B) First Initial Flow 25  Jars 250' T-Started 0430  
 (C) First Final Flow 118  Safety Joint 75' T-Open 0620  
 (D) Initial Shut-In 1157  Circ Sub \_\_\_\_\_ T-Pulled 0920  
 (E) Second Initial Flow 122  Hourly Standby \_\_\_\_\_ T-Out 1130  
 (F) Second Final Flow 183  Mileage 52X2 104RT Comments BOB-0407  
 (G) Final Shut-In 1128  Sampler \_\_\_\_\_ 145.60  
 (H) Final Hydrostatic 2056  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1695.60  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 45  
 Sub Total 1695.60

Approved By \_\_\_\_\_ Our Representative D. Rash

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.

# ALLIED CEMENTING CO., LLC. 042277

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Plains Neg  
10-21-11

DATE <u>10-20-11</u>	SEC. <u>1</u>	TWP. <u>19 S</u>	RANGE <u>22 W</u>	CALLED OUT	ON LOCATION	JOB START <u>1230am</u>	JOB FINISH <u>100am</u>
LEASE <u>Xuhg</u>	WELL # <u>6-1</u>	LOCATION <u>Bizine #5 Santhos OD #1</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>2 miles west of</u>				

CONTRACTOR Petromark Drilling Rig #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 221

CASING SIZE 8 5/8 23" DEPTH 223

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 221

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 150

PERFS.

DISPLACEMENT Freshwater

OWNER American Whittier Inc

CEMENT AMOUNT ORDERED 150 sac

**EQUIPMENT**

PUMP TRUCK CEMENTER sch

# 366 HELPER ...

BULK TRUCK

# 341 DRIVER ...

BULK TRUCK

# DRIVER

COMMON 150 @

POZMIX @

GEL 3 @

CHLORIDE 3 @

ASC @

HANDLING @

MILEAGE

TOTAL

**REMARKS:**

Pipe on bottom break circulation with rig mud mix 150 sac common 3% gel 2% gel shut down and displace 14 bbl Freshwater and shut in, Cement did Circulate

**SERVICE**

DEPTH OF JOB 223

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

CHARGE TO: American Whittier Inc

STREET

CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

@

@

@

@

@

TOTAL

To Allied Cementing Co., 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.

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME L. Tom...

SIGNATURE L. Tom...

Thank you L



# CEMENTING LOG

STAGE NO.

Date 10-20-11 District Recent Bendors Ticket No. 47277  
 Company Hudson Warrior, Inc Rig Procamer Rpt #1  
 Lease Xuba Well No. 6-1  
 County Ness State KS  
 Location Bazme #5 2500 002d Field \_\_\_\_\_  
West int

CEMENT DATA:  
 Spacer Type: Freshwater  
 Amt. 5.661 Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 8.341 PPG

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 1/8 Type 11wt Weight 23 # Collar Standard

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 TAIL: Pump Time 4 ticks due hrs. Type 3 1/4 cas  
2 logal Excess \_\_\_\_\_  
 Amt. 1.50 Skys Yield 1.341 ft<sup>3</sup>/sk Density 15.2 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 6.51 gals/sk Total 23.25 Bbls.

Casing Depths: Top XB Bottom 223

Pump Trucks Used 366 Dustin C  
 Bulk Equip. 341 #20' x 40' / 1 ton P

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars 2 hole  
 Open Hole: Size 12 1/4 T.D. 221 ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. 13.25 Bbls. Weight 8.34 PPG  
 Mud Type Native Weight 9.1 PPG

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 10.637 Lin. ft./Bbl. 15.76  
 Open Holes: Bbls/Lin. ft. 14.58 Lin. ft./Bbl. 6.85  
 Drill Pipe: Bbls/Lin. ft. 1.2112 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. 12.735 Lin. ft./Bbl. 13.60  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE John Smith

CEMENTER Bb Roller

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On location - Rig up
						Setup meeting
						Run casing Great circulation
						Rig up cement pump
						Inject Freshwater
			5.00	5.00		Freshwater in - Start cement
			28.25	23.25		Cement in - Stop pump
						Start displacement
			41.50	13.25		Cement did circulate
						Displacement in - Stop pumps



Services, Inc.

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

TICKET No 22420

PAGE 1 OF 2

1. SERVICE LOCATIONS: Well/PROJECT NO. 6-1 LEASE Kuehn COUNTY/PARISH Nueves STATE LA  
 2. TICKET TYPE: SERVICE CONTRACTOR RIG NAME/NO. DELIVERED TO Bazine DATE 26 OCT 11 OWNER  
 3. WELL TYPE: Petro Br. WELL CATEGORY: Development JOB PURPOSE: cement long string  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: 1-195-22W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					TRK 14	20 mi					6.00	120.00
578					Pump Charge	1.00					1500.00	1500.00
402					Centralizer	52 in		5 ea			70.00	350.00
403					Cement Bucket	52 in		2 ea			250.00	500.00
404					BET Collar	52 in		1 ea			2400.00	2400.00
406					Latchdown Plug & Baffle	52 in		1 ea			250.00	250.00
407					INSERT Flat shoe w/AUTO FILL	52 in		1 ea			350.00	350.00
419					Rotating head rental	52 in		1 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

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	5670.00
TAX	5236.25
TOTAL	10906.25

DATE SIGNED: 10/20/11 TIME SIGNED: 11:30 AM  
 SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 6 Oct 11 PAGE NO. 1

CUSTOMER Amer. can Warrior WELL NO. 6-1 LEASE Kadin JOB TYPE cement long string TICKET NO. 22428

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 103 jts 15.5" 5 1/2"
								TD = 4280' total pipe = 4280'
								Centrifuges 1, 2, 3, 4, 68 gph 5, 69
								Drill collar #49 1343' shoejt 42.16'
								Playback - 4237'
	1830							on loc TRK 114
	1940							start 5" 15.5" casing in well
	2155							Drop ball circulate ROTATE
	2210	4 3/4	12				700	Pump 500 gal mud flush
		4 3/4	20				200	Pump 20 bbl KCh flush
	2215							Plug RH <del>30 sks</del>
	2219	4 3/4	43				250	mix EA-2 cement 145 <del>sk</del> @ 15.3 ppm
	2238							Drop latch drum plug wash pump & lines
	2240	6 3/4					200	Displace plug
		6 3/4	88				800	
	2300	6 3/4	101				1500	Land plug
	2302							Release pressure to truck - dried up
	2310							wash truck
								Rack up
	2340							job complete
								Thanks Dag Dave & Blake



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

TICKET CONTINUATION

TICKET No. 22428

CUSTOMER	WELL	DATE	PAGE
American Water	Kuehn 6-1	26 OCT 11	2 of 2

325	1	STANDARD CONCRETE (FOR 4-2)	175 SK	13.50	2362.50
284	1	CEMENT	800 lb	3.50	2800.00
283	1	SALT	900 lb	0.20	180.00
292	1	Mix - 322	125 lb	7.75	968.75
276	1	Floccul	50 lb	2.00	100.00
281	1	MUDFLUSH	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
592	1	Drayage (M.A.)	1 am	250.00	250.00
581		SERVICE CHARGE	175	2.00	350.00
		TOTAL WEIGHT			5936.25
		LOADED MILES			
		CUBIC FEET			
		TON MILES			



Services, Inc.

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

TICKET NO **22470**  
 PAGE 1 OF 1

SERVICE LOCATIONS  
 1. **Ness City, KS** WELL/PROJECT NO. \_\_\_\_\_ LEASE **KUEHN 6-1** COUNTY/TAHSHIP **Ness** STATE **KS** CITY **BAZINE, KS** DATE **1 Nov 11** OWNER \_\_\_\_\_  
 2. \_\_\_\_\_ TICKET TYPE  SERVICE  SALES CONTRACTOR **ADD DUFFIELDS SERV** RIG NAME/NO. \_\_\_\_\_ SHIPPED DELIVERED TO \_\_\_\_\_ ORDER NO. \_\_\_\_\_  
 3. \_\_\_\_\_ WELL TYPE **DIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **Cement Port Dollar** WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION **3/4 S, W FURT**  
 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 \$ 11.0	15	mi			60	90	
576D					PUMP CHARGE	1	JOB	1393	FT.	1850	1850	
105					PORT COLLAR OPENING TOOL	1	JOB			350	350	
276					ELDECE	32	lbs			2	64	
290					D-AIR	1	1/2 gal			350	350	
330					SWIFT MULTI DENSITY	185	sv			16.50	2062.50	
581					SERVICE CHARGE CEMENT	175	sv			2	350	
582					MINIMUM DRAINAGE	1738	4/16	120	381	TM	250	250

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 **1 Nov 11** TIME SIGNED **1:00**  AM  P.M.  
 REMIT PAYMENT TO:  
**SWIFT SERVICES, INC.**  
**P.O. BOX 466**  
**NESS CITY, KS 67560**  
**785-798-2300**

SWIFT OPERATOR **Scott** APPROVAL \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES \_\_\_\_\_  
 TOTAL **4628.33**  
 TAX **159.33**  
**Thank You!**

JOB LOG

SWIFT Services, Inc.

DATE Nov 11 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE KUEHN 6-1 JOB TYPE CEMENT PORT COLLAR TICKET NO. 22470

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1420							ON LOCATION PORT COLLAR @ 1393
	1448				✓		1000	TEST - HELD
	1450	3			✓		400	OPEN PORT COLLAR TAKE INJ RATE.
	1500	4	70	✓			600	MIX 125SX STD. CIRCULATE CEMENT TO SURFACE
		3	4 1/2	✓			300	DISPLACE CEMENT CIRCULATE 20SX TO PIP.
	1518				✓		1000	CLOSE PORT COLLAR TEST HELD
								RUN 4 JOINTS.
	1528	3	15		✓		300	REVERSE CEMENT OUT
	1533							WASH TRUCK
	1600							JOB COMPLETE
								THANKS #110
								JASON JEFF JOE.

# **Geological Report**

American Warrior, Inc.

**Kuehn #6-1**

1580' FSL & 500' FEL

Sec. 1 T19s R22w

Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Kuehn #6-1  
1580' FSL & 500' FEL  
Sec. 1 T19s R22w  
Ness County, Kansas  
API # 15-135-25195-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm, Austin Klaus

Spud Date: October 19, 2011

Completion Date: October 26, 2011

Elevation: 2171' Ground Level  
2177' Kelly Bushing

Directions: Bazine KS, from the south side of town, South on DD rd. ¾ mi. West and North into location.

Casing: 223' 8 5/8" surface casing  
4279' 5 1/2" production casing

Samples: 10' wet and dry, 3600' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Dustin Rash"

Problems: None

Remarks: None

## Formation Tops

	American Warrior, Inc.
	Kuehn #6-1
	Sec. 1 T19s R22w
	1580' FSL & 500' FEL
<b>Formation</b>	
Anhydrite	1418', +759
Base	1452', +725
Heebner	3648', -1471
Lansing	3692', -1515
BKc	4019', -1842
Pawnee	4110', -1933
Fort Scott	4180', -2003
Cherokee	4200', -2023
Mississippian	4266', -2089
RTD	4280', -2103

## Sample Zone Descriptions

### Mississippian Osage (4266', -2089): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, light to fair oil stain and saturation, slight show of free oil, light odor, good yellow cut fluorescents, 80 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Dustin Rash"

**DST #1**

**Mississippian Osage**

Interval (4269' – 4280') Anchor Length 11'

IHP	– 2178 #	
IFP	– 45" – B.O.B. 15 min.	25-117 #
ISI	– 45" – Built to 2.5 in.	1157 #
FFP	– 45" – B.O.B. 20 min.	121-183 #
FSI	– 45" – Built to 3 in.	1128 #
FHP	– 2056 #	
BHT	– 122°F	

Recovery:	290' GIP	
	200' GCO	Gravity: 41°API
	60' GHOCM	40% Oil
	60' GHOCM	30% Oil
	120' MW	

**Structural Comparison**

	<b>American Warrior, Inc.</b> <b>Kuehn #6-1</b> <b>Sec. 1 T19s R22w</b> <b>1580' FSL &amp; 500' FEL</b>	American Warrior, Inc.		American Warrior, Inc.	
<b>Formation</b>		Kuehn #1-1		Kuehn #3-1	
		Sec. 1 T19s R22w		Sec. 1 T19s R22w	
		2310' FSL & 440' FEL		648' FSL & 990' FEL	
Anhydrite	<b>1418', +759</b>	1414', +755	<b>(+4)</b>	1428', +759	<b>FL</b>
Base	<b>1452', +725</b>	NA	<b>NA</b>	1462', +725	<b>FL</b>
Heebner	<b>3648', -1471</b>	3640', -1471	<b>FL</b>	3656', -1469	<b>(-2)</b>
Lansing	<b>3692', -1515</b>	3684', -1515	<b>FL</b>	3700', -1513	<b>(-2)</b>
BKc	<b>4019', -1842</b>	NA	<b>NA</b>	4030', -1843	<b>(+1)</b>
Pawnee	<b>4110', -1933</b>	NA	<b>NA</b>	4115', -1928	<b>(-5)</b>
Fort Scott	<b>4180', -2003</b>	4176', -2007	<b>(+4)</b>	4191', -2004	<b>(+1)</b>
Cherokee	<b>4200', -2023</b>	4196', -2027	<b>(+4)</b>	4210', -2023	<b>FL</b>
Mississippian	<b>4266', -2089</b>	4262', -2093	<b>(+4)</b>	4284', -2097	<b>(+8)</b>

## **Summary**

The location for the Kuehn #6-1 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 been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Kuehn #6-1 well.

## **Recommended Perforations**

**Mississippian Osage:           (4266' – 4275')                           DST #1**

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

