



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1161268
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1161268

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Kramer 2-31
Doc ID	1161268

Tops

Name	Top	Datum
Anhy	1934'	+901
B/Anhy	1997'	+838
Heebner	4111'	-1276
Lansing	4202'	-1367
B/KC	4631'	-1796
Marmaton	4635'	-1800
ft.Scott	4733'	-1898
Morrow	4877'	-2042'
St.Louis	4881'	-2046

ALLIED OIL & GAS SERVICES, LLC 052231

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberals

DATE <u>8-8-13</u>	SEC <u>31</u>	TWP. <u>24S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION <u>5:00 a.m.</u>	JOB START <u>11:15</u>	JOB FINISH <u>12:15</u>
LEASE <u>Kramer</u>	WELL # <u>2-31</u>	LOCATION <u>Vec. Ingalls KS HWY 50 East</u>			COUNTY <u>Gray</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>to CR 7 North to CR 6 North Into</u>					

CONTRACTOR Duke Drilling Rig 7 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 526

CASING SIZE 8 5/8 DEPTH 525

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 40

CEMENT LEFT IN CSG. 2.5 bds

PERFS. _____

DISPLACEMENT 301

EQUIPMENT

CEMENT AMOUNT ORDERED 330sk of 3%cc 2'logel
1/4# flo seal

COMMON	<u>330sk</u>	@	<u>17.90</u>	<u>\$907.00</u>
POZMIX		@		
GEL	<u>6.2sk</u>	@	<u>23.40</u>	<u>145.08</u>
CHLORIDE	<u>11.6sk</u>	@	<u>21.00</u>	<u>742.40</u>
ASC		@		
<u>flo seal</u>	<u>82#</u>	@	<u>2.97</u>	<u>243.54</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>347.8</u>	@	<u>2.48</u>	<u>862.54</u>
MILEAGE	<u>816.3</u>	@	<u>2.60</u>	<u>2122.38</u>
TOTAL				<u>10022.94</u>

PUMP TRUCK CEMENTER Lenny Baeza

774541 HELPER Cesar P.

BULK TRUCK

562-744 DRIVER Ricardo E.

BULK TRUCK

_____ DRIVER _____

REMARKS:
Thank You !!!
20bds of cement to surface

CHARGE TO: American Warrior

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>500-1000</u>		
PUMP TRUCK CHARGE	<u>2,058.50</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@	<u>7.70</u> <u>385.00</u>
MANIFOLD	<u>1</u>	@	<u>275.</u> <u>275.00</u>
light vehicle	<u>50</u>	@	<u>4.40</u> <u>220.00</u>
TOTAL <u>2938.50</u>			

PLUG & FLOAT EQUIPMENT

<u>Rubber Plug</u>	@	<u>76.25</u>	<u>76.25</u>
	@		
	@		
	@		
TOTAL _____			

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 Gale D. Bond

SIGNATURE Gale D. Bond

SALES TAX (If Any) _____

TOTAL CHARGES \$12961.44

DISCOUNT _____ IF PAID IN 30 DAYS

Net = 10445.40



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

TICKET 25558

PAGE 1 OF

SERVICE LOCATIONS
 1. **NESS CITY, KS.** WELL/PROJECT NO. LEASE **KRAMER 2-31** COUNTY/PARISH **GRAY** STATE **KS.** CITY **CHARLESTON, KS.** DATE **26 AUG 13** OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR **CO. TOOLS** RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.
 3. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **CEMENT PORT COLLAR** WELL PERMIT NO. WELL LOCATION **3 1/2 N, 1/4 E, N INTO**
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	90	MIL			6.00	540.00
576D					Pump CHARGE	1	HR			1500.00	1500.00
105					PORT COLLAR OPENING TOOL	1	HR			350.00	350.00
276					FLOCELE	35	lbs			2.00	70.00
290					D-AIR	1 1/2	sqz			42.00	63.00
33D					SMD CEMENT	140	bx			17.00	2380.00
581					CEMENT SERVICE CHARGE	225	sq			2.00	450.00
583					DRAVAGE	2233	lbs	1004	85	1.00	1004.85

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 **26 AUG 13** TIME SIGNED **1100** A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6357.85	
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Gray TAX 7.3%	209.00
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	6566.85
<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 *[Signature]* APPROVAL

Thank You!

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE

JOB TYPE

KRAMER 2-31 CEMENT PORT COLLAR

TICKET NO.

2555B

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	T	C	TUBING	PRESSURE (PSI)	CASING	DESCRIPTION OF OPERATION AND MATERIALS
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0900

ON LOCATION

PORT COLLAR @ 1935

0912

1000 TEST - HELD

0916

OPEN PORT COLLAR

0919

MIX 140SX SMD

DISPLACE CEMENT

CIRCULATE 200X TO PIT

0945

1000 CLOSE PORT COLLAR - TEST - HELD

0950

RUN 45TS.

0955

400 REVERSE CLEAN

1005

WASH TRUCK

1030

JOB COMPLETE

THAWS # 115

TASON SEFF JOHN



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

TICKET 25551

PAGE 1 OF 2

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO.	LEASE KRAMER 2-31	COUNTY/PARISH GRAY	STATE KS.	CITY GARDEN CITY, KS.	DATE 17 AUG 13	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRILLING RIG#	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2 LONGSTRING	WELL PERMIT NO.	WELL CATEGORIES REST AREA 5' W, 10' S, 1/2 E, N E 1/4		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	80		mz		60.00	4800.00
578					Pump CHARGE	1		JOB		1500.00	1500.00
402					CENTRALIZERS	10		EA.		70.00	700.00
403					CEMENT BASKETS	2		EA.		285.00	570.00
404					PORT COLLAR	1		EA.	1941 FT	2650.00	2650.00
406					LATCH DOWN PLUG & BAFFLE	1		EA.		275.00	275.00
407					INSERT FLOAT SHOE W/AUTO FILL	1		EA.		375.00	375.00
419					ROTATING HEAD RENTAL	1		EA.		200.00	200.00
281					MUD FLUSH	500		gal		1.25	625.00
221					LIQUID KCL	2		gal		25.00	50.00

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

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

X
 DATE SIGNED **17 AUG 13** TIME SIGNED **0300** 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 1	7425.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5124.75
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	12549.75
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Gray TAX 7.3%	692.53
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	13,242.28
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<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 *[Signature]* APPROVAL
 Thank You!



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Kramer #2-31

S31-24s-29w Gray, KS

Start Date: 2013.08.15 @ 08:50:00

End Date: 2013.08.15 @ 16:45:50

Job Ticket #: 52797 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.16 @ 10:04:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

S31-24s-29w Gray, KS

Kramer #2-31

Job Ticket: 52797

DST#: 1

Test Start: 2013.08.15 @ 08:50:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:07:50
 Time Test Ended: 16:45:50
 Interval: **4723.00 ft (KB) To 4750.00 ft (KB) (TVD)**
 Total Depth: 4750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2835.00 ft (KB)
 2824.00 ft (CF)
 KB to GR/CF: 11.00 ft

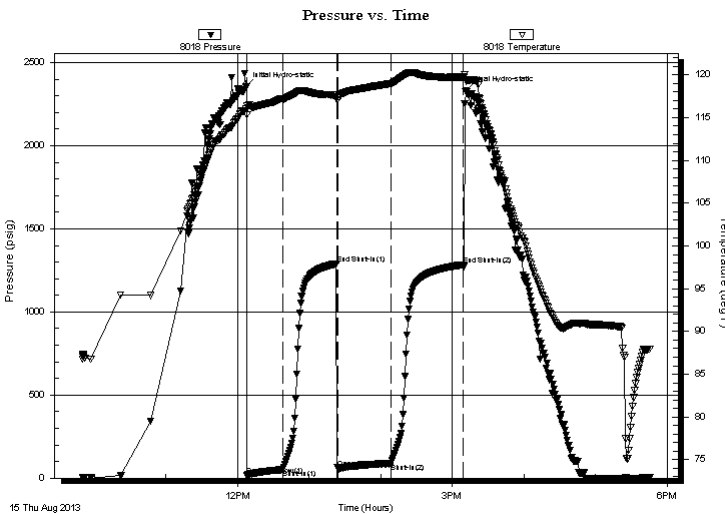
Serial #: 8018

Inside

Press @ Run Depth: 88.01 psig @ 4727.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.15 End Date: 2013.08.15 Last Calib.: 2013.08.15
 Start Time: 09:50:02 End Time: 17:45:49 Time On Btm: 2013.08.15 @ 12:06:50
 Time Off Btm: 2013.08.15 @ 15:11:10

TEST COMMENT: B.O.B. @ 16 min.
 2" Return.
 B.O.B. @ 6 min.
 2 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2355.85	116.08	Initial Hydro-static
1	18.75	115.32	Open To Flow (1)
31	52.44	117.19	Shut-In(1)
77	1291.00	117.63	End Shut-In(1)
78	56.93	117.12	Open To Flow (2)
122	88.01	118.98	Shut-In(2)
182	1284.72	119.75	End Shut-In(2)
185	2332.10	119.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GOCM 35g 25o 40m	0.61
20.00	GOCM 10g 10o 80m	0.10
0.00	1158' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

S31-24s-29w Gray, KS

PO Box 399
Garden City, KS 67846

Kramer #2-31

Job Ticket: 52797

DST#: 1

ATTN: Kevin Timson

Test Start: 2013.08.15 @ 08:50:00

Tool Information

Drill Pipe:	Length: 4525.00 ft	Diameter: 3.80 inches	Volume: 63.47 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 64.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.50 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4723.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4696.50	
Shut In Tool	5.00			4701.50	
Hydraulic tool	5.00			4706.50	
Jars	5.00			4711.50	
Safety Joint	2.50			4714.00	
Packer	5.00			4719.00	27.50 Bottom Of Top Packer
Packer	4.00			4723.00	
Stubb	1.00			4724.00	
Perforations	3.00			4727.00	
Recorder	0.00	8018	Inside	4727.00	
Recorder	0.00	6751	Outside	4727.00	
Perforations	20.00			4747.00	
Bullnose	3.00			4750.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

S31-24s-29w Gray, KS

PO Box 399
Garden City, KS 67846

Kramer #2-31

Job Ticket: 52797

DST#: 1

ATTN: Kevin Timson

Test Start: 2013.08.15 @ 08:50:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	GOCM 35g 25o 40m	0.615
20.00	GOCM 10g 10o 80m	0.098
0.00	1158' GIP	0.000

Total Length: 145.00 ft

Total Volume: 0.713 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

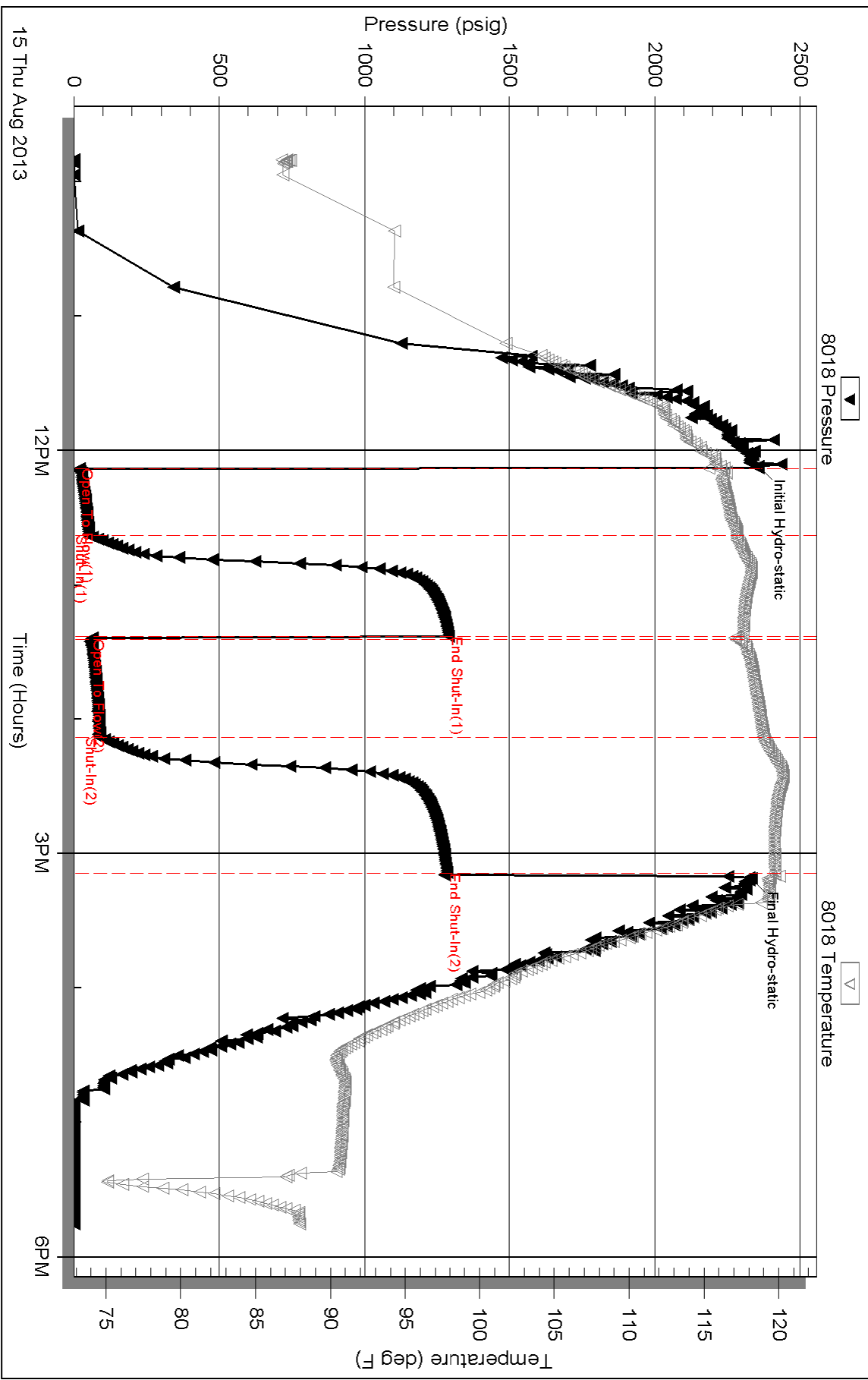
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

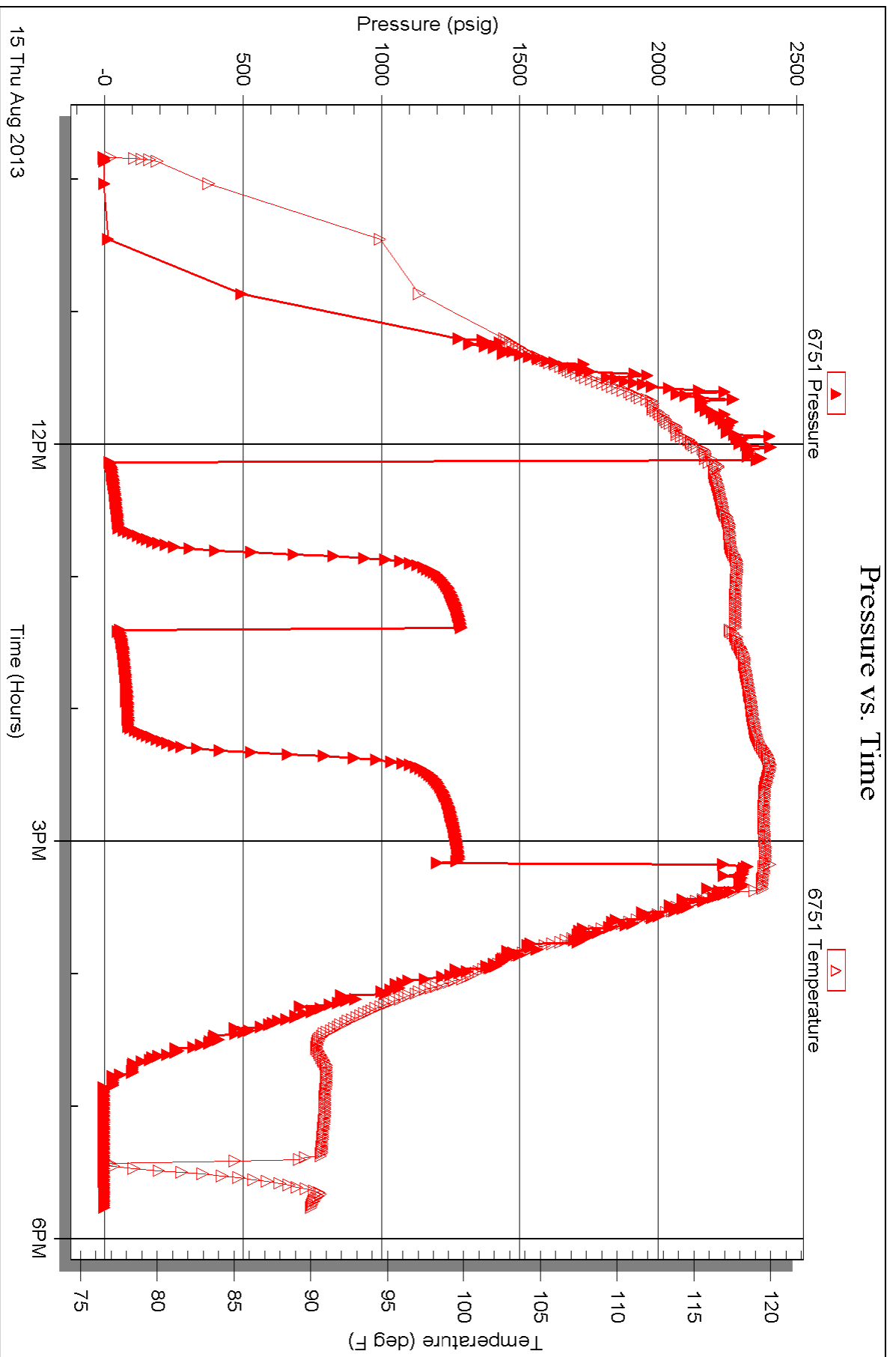


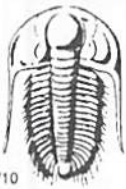
Serial #: 6751

Outside American Warrior, Inc.

Kramer #2-31

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52797

Well Name & No. Kramer #2-31 Test No. 1 Date 8-15-13
 Company American Warrior Inc. Elevation 2835 KB 2824 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #7
 Location: Sec. 31 Twp. 24 Rge. 29 Co. Gray State KS

Interval Tested 4723 - 4750 Zone Tested Ft. Scott
 Anchor Length 27 Drill Pipe Run 4525 Mud Wt. 9.3
 Top Packer Depth 4719 Drill Collars Run 185 Vis 46
 Bottom Packer Depth 4723 Wt. Pipe Run - WL 9.6
 Total Depth 4750 Chlorides 3000 ppm System LCM 2#
 Blow Description B.O.B. @ 16 min.
2" Return
B.O.B. @ 6 min.
2 1/2" Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>20</u>	Feet of <u>GOCM</u>	<u>10</u> %gas	<u>10</u> %oil	<u>80</u> %water	<u>80</u> %mud
Rec <u>125</u>	Feet of <u>GOCM</u>	<u>35</u> %gas	<u>25</u> %oil	<u>40</u> %water	<u>40</u> %mud
Rec _____	Feet of <u>1158 GIP</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 145 BHT 120 Gravity - API RW _____ @ _____ °F Chlorides - ppm

(A) Initial Hydrostatic <u>2356</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>9:30</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>9:50</u>
(C) First Final Flow <u>52</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>12:08</u>
(D) Initial Shut-In <u>1291</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>15:09</u>
(E) Second Initial Flow <u>57</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:46</u>
(F) Second Final Flow <u>88</u>	<input checked="" type="checkbox"/> Mileage <u>123 RT</u> 190.65	Comments _____
(G) Final Shut-In <u>1285</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2332</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1765.65</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1765.65</u>	

Approved By _____

Our Representative Chuck Smith

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.

Kramer #2-31

1016' FSL & 1229' FWL

Sec. 31, T24s, R29w

Gray County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Kramer #2-31
1016' FSL & 1229' FWL
Sec. 31, T24s, R29w
Gray County, Kansas
API # 15-069-20440-00-00

Drilling Contractor: Duke Drilling Co. Rig #7

Geologist: Kevin Timson

Spud Date: August 8, 2013

Completion Date: August 18, 2013

Elevation 2824' G.L.
2835' K.B.

Directions: From Kalvesta, KS. Go 14.5 miles West on Hwy 96 to Haflich Rd. Go 10 miles South to G Rd. ¼ mile East and North into.

Casing: 524' 8 5/8" #23.5 Surface Casing
5000' 5 ½" #15.5 Production Casing
1941' Port Collar

Samples: 4050' to RTD 10' Wet & Dry

Drilling Time: 4050' to RTD

Electric Logs: Pioneer Energy Services "R. Barnhart"
Stacked-Micro

Drillstem Tests: One, Trilobite Testing, Inc. "Chuck Smith"

Problems: None

Formation Tops

Formation

Anhydrite

Base

Heebner

Toronto

Lansing

Stark

BKC

Marmaton

Pawnee

Fort Scott

Cherokee

Morrow

St. Louis

RTD

LTD

American Warrior, Inc.

Kramer #2-31

Sec. 31, T24s, R29w

1016' FSL & 1229' FWL

1934' +901

1997' +838

4111' -1276

4129' -1294

4202' -1367

4495' -1660

4631' -1796

4635' -1800

4709' -1874

4733' -1898

4747' -1912

4877' -2042

4881' -2046

5050' -2215

5050' -2215

Sample Zone Descriptions

Fort Scott

(4733', -1898): Covered in DST #1

Ls – Sub-crystalline with fair vuggy and fair oomoldic porosity. Fair stain and fair saturation in porosity. Show of free oil when broken. Poor odor. 25 units hotwire.

Drill Stem Tests
 Trilobite Testing Inc.
 "Chuck Smith"

DST #1

Fort Scott Limestone

Interval (4723' – 4750') Anchor Length 27'

IHP	- 2356 #	
IFP	- 30" – BOB in 16 min	19-52 #
ISI	- 45" – 2" return blow	1291 #
FFP	- 45" – BOB in 6 min	57-88 #
FSIP	- 60" – 2 ½" return blow	1285 #
FHP	- 2332 #	
BHT	- 120 ° F	

Recovery: 1158' GIP
 20' GOCM (10% Oil)
 125' GOCM (25% Oil)

	American Warrior, Inc. Kramer #2-31 Sec. 31, T29s, R24w 1016' FSL & 1229' FWL		Structural Comparison		American Warrior, Inc. Kramer #1-31 Sec. 31, T24s, R29w 2306' FNL & 619' FEL		American Warrior, Inc. IKM #1-32 Sec 32, T24s, R29w 2336' FSL & 126' FWL
Formation	4111' -1276						
Heebner	4129' -1294	+16	4121' -1292	+12		4114' -1288	
Toronto	4202' -1367	+10	4133' -1304	+8		4128' -1302	
Lansing	4495' -1660	+9	4205' -1376	+8		4201' -1375	
Stark	4631' -1796	+1	4490' -1661	+1		4487' -1661	
BKC	4709' -1874	+3	4628' -1799	FL		4622' -1796	
Marmaton	4733' -1898	+4	4633' -1804	+1		4627' -1801	
Pawnee	4747' -1912	+17	4720' -1891	+14		4714' -1888	
Fort Scott	4877' -2042	+15	4742' -1913	+12		4736' -1910	
Cherokee	4881' -2046	+14	4755' -1926	+12		4750' -1924	
Morrow		+7	4878' -2049	+4		4872' -2046	
St. Louis		+18	4893' -2064	+16		4888' -2062	

Summary

The location for the Kramer #2-31 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 examine, the decision was made to run 5 ½” production casing to further evaluate the Kramer #2-31 well.

Recommended Perforations

Primary:

St Louis: (4897’ – 4903’)

Secondary:

Fort Scott: (4741’ – 4745’)

Before Abandonment:

Cherokee: (4752’ – 4758’)

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 03, 2013

Joe Smith
American Warrior, Inc.
3118 Cummings Rd
PO BOX 399
GARDEN CITY, KS 67846

Re: ACO1
API 15-069-20440-00-00
Kramer 2-31
SW/4 Sec.31-24S-29W
Gray County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Joe Smith