



KANSAS CORPORATION COMMISSION 1127300
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: _____



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> <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	Kramer 1-31
Doc ID	1127300

All Electric Logs Run

Dual Induction
Micro
Porosity
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Kramer 1-31
Doc ID	1127300

Tops

Name	Top	Datum
Heebner	4121'	-1292
Toronto	4133'	-1304'
Lansing	4205'	-1376
Stark	4490'	-1661
B/KC	4628'	-1799
Marmaton	4633'	-1804
Pawnee	4720'	-1891
Ft.Scott	4742'	-1913
Morrow	4878'	-2049

Geological Report

American Warrior, Inc.

Kramer #1-31

2306' FNL & 619' FEL

Sec. 31, T24s, R29w

Gray County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Kramer #1-31
2306' FNL & 619' FEL
Sec. 31, T24s, R29w
Gray County, Kansas
API # 15-069-20432-0000

Drilling Contractor: Duke Drilling Co. Rig #8

Geologist: Kevin Timson

Spud Date: February 22, 2013

Completion Date: March 4, 2013

Elevation 2821' G.L.
2829' K.B.

Directions: From the SE side of Garden City, KS, at the intersection of Hwy 50 and Pole Line Rd. Go East on Pole Line Rd. 10 miles to 7 Rd. Go South on 7 Rd. 5 miles to lease Rd. East ½ mile into.

Casing: #28 8 5/8" surface casing @ 497' with 300 sacks Class A, 3% c.c, 2% gel. #15.5 5 ½" Production casing set at 5040' with 125 sacks EA-2.

Samples: 4050' to RTD 10' Wet & Dry

Drilling Time: 4050' to RTD

Electric Logs: Pioneer-Full Sweep "R. Barnhart"

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

Problems: Weather delays due to blizzard

Formation Tops

Formation

Heebner

Toronto

Lansing

Stark

BKC

Marmaton

Pawnee

Fort Scott

Cherokee

Morrow

St. Louis

RTD

LTD

American Warrior, Inc.

Kramer #1-31

Sec. 31, T24s, R29w

2306' FNL & 619' FEL

4121' -1292

4133' -1304

4205' -1376

4490' -1661

4628' -1799

4633' -1804

4720' -1891

4742' -1913

4755' -1926

4878' -2049

4893' -2064

5050' -2221

5054' -2225

Sample Zone Descriptions

Fort Scott (4742' -1913)

Covered in DST #1

Limestone off white/tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Fair to good stain. Fair saturation. Show of free oil. Fair odor.

St. Louis (4893' -2064)

Not Tested

Limestone tan. Sub crystalline. Poor oomoldic and very poor oolycastic porosity. No shows. Tight.

Drill Stem Tests
 Trilobite Testing Inc.
 "Brandon Turley"

DST #1

Fort Scott

Interval (4745' - 4796') Anchor Length 51'

IHP	- 2297 #	
IFP	- 30" - BOB in 2 min	28-41 #
ISI	- 45" - WSB built to 1/2"	1237 #
FFP	- 30" - BOB in 30 seconds	48-64 #
FSIP	- 45" - WSB built to 6"	1196 #
FHP	- 2249 #	
BHT	- 118 ° F	

Recovery: 15' MCGO (10% G, 60% O, 30% M)
 62' MCGO (30% G, 40% O, 30% M)
 62' MCGO (60% G, 10% O, 30% M)
 2961' GIP

Structural Comparison

Formation	American Warrior, Inc. Kramer #1-31 Sec. 31, T24s, R29w 2306' FNL & 619' FEL		Pendleton Land and Expl Co Kramer #1 Sec. 31, T24s, R29w C NE SE		F & M Oil Co Goddard G #1 Sec 32, T24s, R29w C NW SW	
	Depth	Delta	Depth	Delta	Depth	Delta
Heebner	4121' -1292	+3	4124' -1295	-6	4108' -1286	
Toronto	4133' -1304	+5	4138' -1309	-6	4120' -1298	
Lansing	4205' -1376	+3	4208' -1379	-6	4192' -1370	
Stark	4490' -1661	+6	4496' -1667	+5	4488' -1666	
BKC	4628 -1799	+4	4632' -1803	+5	4626' -1804	
Marmaton	4633' -1804	+7	4640' -1811	+8	4634' -1812	
Pawnee	4720' -1891	+1	4721' -1892	+6	4719' -1897	
Fort Scott	4742' -1913	+2	4740' -1911	+7	4742' -1920	
Cherokee	4755' -1926	+1	4756' -1927	+9	4757' -1935	
Morrow	4878' -2049	-3	4875' -2046	+13	4884' -2062	
St. Louis	4893' -2064	+11	4904' -2075	+30	4916' -2094	

ALLIED OIL & GAS SERVICES, LLC 059268

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Hansen 1-31

DATE <u>2-23-13</u>	SEC. <u>34</u>	TWP. <u>29</u>	RANGE <u>29</u>	CALLED OUT <u>4:30 PM</u>	ON LOCATION <u>2-22-13 7:30 PM</u>	JOB START <u>2-23-13 2:15 AM</u>	JOB FINISH <u>3:15 AM</u>
LEASE <u>Premier</u>		WELL # <u>1-34</u>		LOCATION <u>156 & 23 Jct. Sweet to Hedrick Rd, 7 1/2 South Feet into</u>		COUNTY <u>Gray</u>	STATE <u>Ka</u>
OLD OR <u>NEW</u> (Circle one)				7.45			

CONTRACTOR Duke # 8 OWNER Same

TYPE OF JOB <u>Surface</u>	CEMENT AMOUNT ORDERED <u>300 lb class 4</u>
HOLE SIZE <u>12 1/4"</u> T.D.	<u>30cc 270 Mel</u>
CASING SIZE <u>8 5/8"</u> DEPTH <u>497'</u>	<u>3 1/2 gal Deframer</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>300</u> @ <u>17.90</u> <u>5370.00</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG <u>20'</u>	GEL <u>6</u> @ <u>23.40</u> <u>140.40</u>
PERFS.	CHLORIDE <u>11</u> @ <u>64.00</u> <u>704.00</u>
DISPLACEMENT <u>29.76 bbls</u>	ASC @

EQUIPMENT	HANDLING <u>325</u> @ <u>2.48</u> <u>806.00</u>
PUMP TRUCK CEMENTER <u>Tom Neuman</u>	MILEAGE <u>14.583 x 50</u> <u>2.60</u> <u>1.926.99</u>
# <u>606</u> HELPER <u>Pat Helgen/Ravin</u>	TOTAL <u>8.947.39</u>
BULK TRUCK # <u>599</u> DRIVER <u>Dan Cooper</u>	
BULK TRUCK #	
DRIVER	

REMARKS:
Ren 497' of 8 5/8" cas. Break circulation. Mixed 300 lb class 4 30cc 270 Mel. Released Plug. Displaced with fresh H₂O. Cement did circulate

CHARGE TO: American Warran
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>497'</u>	
PUMP TRUCK CHARGE <u>1.512.35</u>	
EXTRA FOOTAGE @	
MILEAGE <u>Hum 50</u> @ <u>7.70</u> <u>385.00</u>	
MANIFOLD <u>Hum 50</u> @ <u>4.40</u> <u>220.00</u>	

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

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 STEPHENS
SIGNATURE [Signature]

TOTAL _____
SALES TAX (if Any) 462.97
TOTAL CHARGES 11,064.64
DISCOUNT 2,766.16 IF PAID IN 30 DAYS
8,298.48



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

TICKET N^o **23834**
 PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>1-31</u>	LEASE <u>Kramer</u>	COUNTY/PARISH <u>Gray</u>	STATE <u>KS</u>	CITY <u>Garden City</u>	DATE <u>3-4-13</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilling</u>	RIG NAME/NO. <u>#8</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL PERMIT NO.		WELL LOCATION <u>Garden City KS-19E, 10S, Einto</u>	
4.	INVOICE INSTRUCTIONS						
REFERRAL LOCATION							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE			120	mi	6 ⁰⁰	720 ⁰⁰
578		1			Pump Charge - Longstring			1	job	1500 ⁰⁰	1500 ⁰⁰
402		1			Centralizer			9	ea	70 ⁰⁰	630 ⁰⁰
403		1			Cement Basket			2	ea	250 ⁰⁰	500 ⁰⁰
406		1			Latch Down Plug + Baffle			1	ea	250 ⁰⁰	250 ⁰⁰
407		1			Insert Float Shoe w/ Auto Fill			1	ea	350 ⁰⁰	350 ⁰⁰
404		1			Port Collar			1	ea	2400 ⁰⁰	2400 ⁰⁰
411		1			Rotating Head Rental			1	job	200⁰⁰	200⁰⁰

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

Steph
 X DATE SIGNED 3-4-13 TIME SIGNED 6:00 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	6350 ⁰⁰
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	6085 ⁷⁵
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	12,435 ⁷⁵
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Gray 7.45%	653 ⁰⁹
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	13,088 ⁸⁴
<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 David Kuehn

APPROVAL *Steph*

Thank You!



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

TICKET CONTINUATION

TICKET No. 23834

CUSTOMER American Warrior WELL Kramer 1-31 DATE 3-4-13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT			
		LOC	ACCT	DF												
284		1				Calscal	5	%	8	sk	35	00	280	00		
283		1				Salt	10	%	900	lbs	00	20	180	00		
292		1				Halad 322	3/4	%	125	lbs	7	75	968	75		
276		1				Flocele	1/4	lb	50	lbs	2	00	100	00		
325		1				Standard Cement			175	sk	13	50	2362	50		
290		1				D-Air			2	gal	35	00	70	00		
221		1				Liquid KCl			2	gal	25	00	50	00		
281		1				Mud Flush			500	gal	1	25	625	00		
581		1				SERVICE CHARGE				CUBIC FEET	175		2	00	350	00
583		1				MILEAGE CHARGE	TOTAL WEIGHT	18325	LOADED MILES	120	TON MILES	1099.50	1	00	1099	50

CONTINUATION TOTAL 6085.75

JOB LOG

SWIFT Services, Inc.

DATE 3-4-13 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 1-31 LEASE Kramer JOB TYPE Cement 5 1/2" Longstring TICKET NO. 23834

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								TD-5050 LTD-5051 TP-5034 SS- #1 21.13' P.C. # 74 1979 Centralizer - #2 #4 #6 #8 #10 #12 #14 #16 #73 Basket - #34 #74 5 1/2" x 15.5" 175 sks EA-2 w/ 1/4" Floccle
	0600							on Location
	0700							Start 5 1/2" 15.5" casing in well
	0850							Drop Ball Circulate
	1020	6 3/4	12		✓	350		Pump 500 gal Mud Flush
		6 3/4	20		✓	350		Pump 20 Bbl KCL Flush
			7-5					Plug RH - MH (30-20)
	1032	4 1/2	30		✓	250		Mix 125 sks EA-2 @ 15.5 ppg
								Release Latch Down Plug Wash out Pump + Line
	1045	6 3/4	0		✓	200		Start Displacement
		6 3/4	98		✓	350		Lift PSI
		6 3/4	119		✓	800		Max Lift PSI
	1105	6 3/4	119.3		✓	1500		Land Latch Down Plug
		8						Release PSI - Hold -
								Wash up truck
	1145							Job Complete

Thank You
Dave JS Isaac



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

TICKET
 No 24158

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Ness City KS WELL/PROJECT NO. 1-31 LEASE Kramer COUNTY/PARISH Gray STATE KS CITY Garden City DATE 20 MAR 13 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR cc tools RIG NAME/NO. SHIPPED ET DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement port collar WELL PERMIT NO. WELL LOCATION
 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 TRK 114	80		mi		6.00	480.00
576D		1			Pump Charge	1		leg		1250.00	1250.00
330		1			SMD cement	175		sk		16.50	2887.50
276		1			fbale	50		lb		2.00	100.00
290		1			D-AIR	2		gal		35.00	70.00
288		1			SAND (20/40)	1		sk		22.00	22.00
581		1			Service charge	200		sk		2.00	400.00
583		1			Drayage	199		12 lb	80 mi	78.08 4M 1.00	796.08
104		1			Port Collar Tool Rental	1		leg			250.00

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

DATE SIGNED TIME SIGNED 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5480.58
WE UNDERSTOOD AND MET YOUR NEEDS?				5730.58
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Gray TAX 7.45%
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				6255.58 248.05
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL 6503.63

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

SWIFT OPERATOR ABeybell APPROVAL

Thank You!



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Kramer #1-31

31-24s-29w Gray,KS

Start Date: 2013.03.01 @ 23:08:13

End Date: 2013.03.02 @ 06:42:43

Job Ticket #: 51336 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.08 @ 13:39:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

31-24s-29w Gray, KS
Kramer #1-31
 Job Ticket: 51336 **DST#: 1**
 Test Start: 2013.03.01 @ 23:08:13

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:23:43
 Time Test Ended: 06:42:43
 Interval: **4745.00 ft (KB) To 4796.00 ft (KB) (TVD)**
 Total Depth: 4796.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 2829.00 ft (KB)
 2819.00 ft (CF)
 KB to GR/CF: 10.00 ft

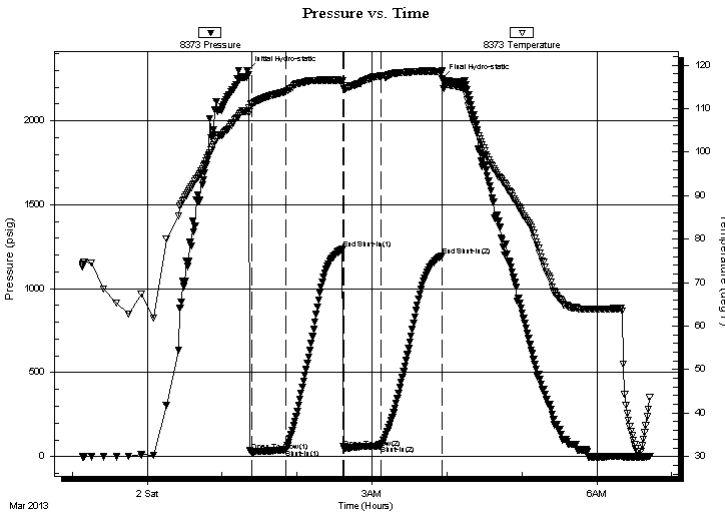
Serial #: 8373

Inside

Press @ Run Depth: 64.38 psig @ 4736.00 ft (KB)
 Start Date: 2013.03.01 End Date: 2013.03.02
 Start Time: 23:08:18 End Time: 06:42:42
 Capacity: 8000.00 psig
 Last Calib.: 2013.03.02
 Time On Btm: 2013.03.02 @ 01:20:13
 Time Off Btm: 2013.03.02 @ 03:56:13

TEST COMMENT: IF: BOB in 2 min.
 IS: Weak surface blow built to 2.
 FF: BOB in 30 sec.
 FS: Surface blow built to 6.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.57	109.44	Initial Hydro-static
4	28.53	111.12	Open To Flow (1)
31	41.42	113.91	Shut-In(1)
76	1237.40	116.55	End Shut-In(1)
78	48.18	114.59	Open To Flow (2)
107	64.38	117.53	Shut-In(2)
156	1196.71	118.60	End Shut-In(2)
156	2249.11	118.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 60%g 10%o 30%m	0.87
62.00	mcgo 30%g 40%o 30%m	0.87
15.00	mcgo 10%g 60%o 30%m	0.21
0.00	2961 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
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

31-24s-29w Gray,KS
Kramer #1-31
Job Ticket: 51336 **DST#: 1**
Test Start: 2013.03.01 @ 23:08:13

Tool Information

Drill Pipe:	Length: 4711.00 ft	Diameter: 3.80 inches	Volume: 66.08 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 66.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4735.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	79.00 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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Stubb	1.00			4708.00	
Shut In Tool	5.00			4713.00	
Hydraulic tool	5.00			4718.00	
Jars	5.00			4723.00	
Safety Joint	3.00			4726.00	
Packer	5.00			4731.00	28.00 Bottom Of Top Packer
Packer	4.00			4735.00	
Stubb	1.00			4736.00	
Recorder	0.00	8373	Inside	4736.00	
Recorder	0.00	8356	Outside	4736.00	
Perforations	13.00			4749.00	
Change Over Sub	1.00			4750.00	
Drill Pipe	30.00			4780.00	
Change Over Sub	1.00			4781.00	
Bullnose	5.00			4786.00	51.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

31-24s-29w Gray,KS
Kramer #1-31
Job Ticket: 51336 **DST#: 1**
Test Start: 2013.03.01 @ 23:08:13

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

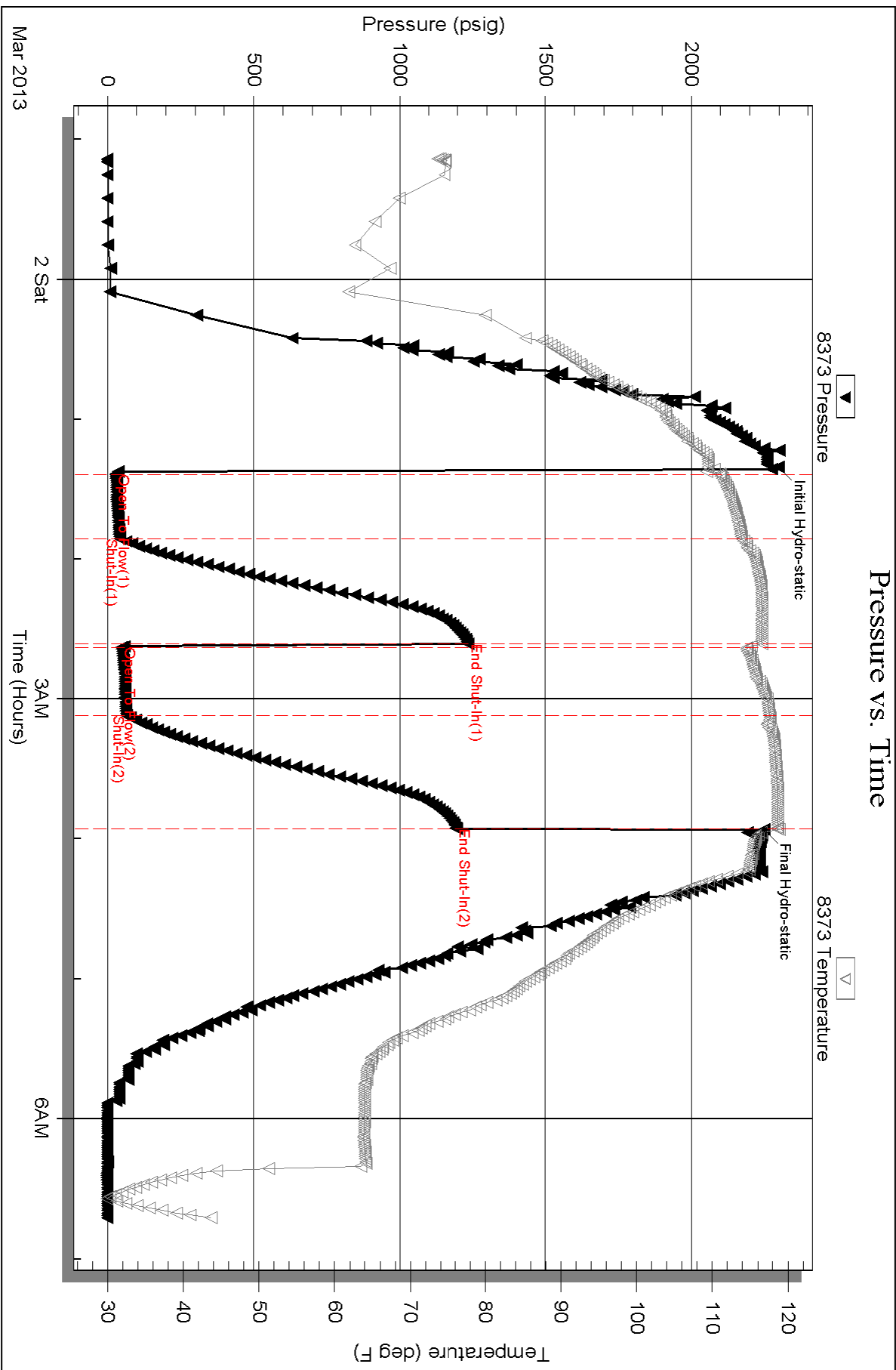
Length ft	Description	Volume bbl
62.00	mcgo 60%g 10%o 30%m	0.870
62.00	mcgo 30%g 40%o 30%m	0.870
15.00	mcgo 10%g 60%o 30%m	0.210
0.00	2961 GIP	0.000

Total Length: 139.00 ft Total Volume: 1.950 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

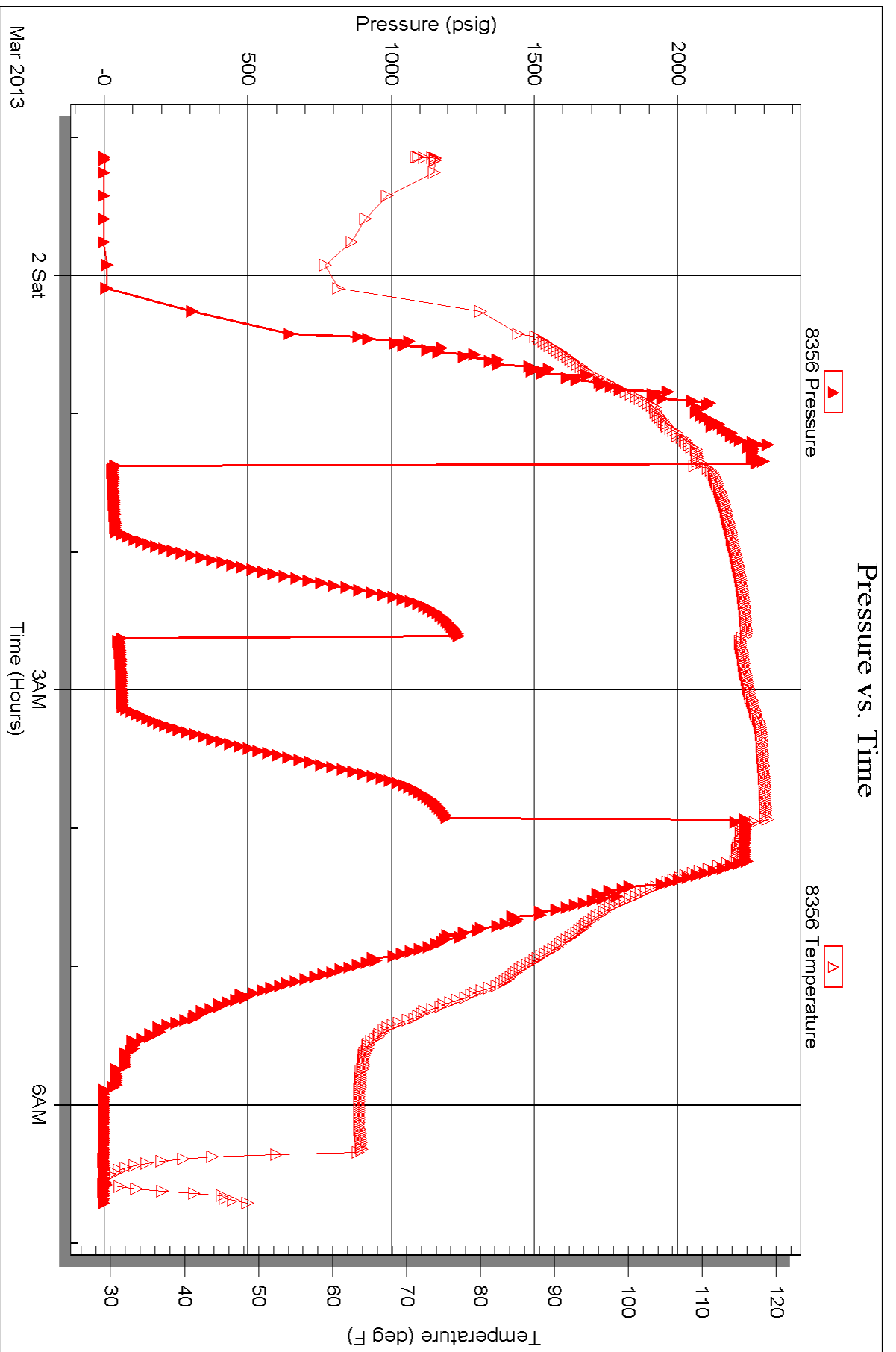


Serial #: 8356

Outside American Warrior Inc

Kramer #1-31

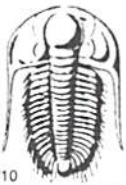
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51336

Printed: 2013.03.08 @ 13:39:51



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51336

4/10

Well Name & No. Kramer 1-31 Test No. 1 Date 3-1-13
 Company American Warrior Elevation 2829 KB 2819 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 8
 Location: Sec. 31 Twp. 24 Rge. 29W Co. Gary State KS

Interval Tested 4745 4796 Zone Tested Cherokee
 Anchor Length 51 Drill Pipe Run 4711 Mud Wt. 9.4
 Top Packer Depth 4740 Drill Collars Run — Vis 42
 Bottom Packer Depth 4745 Wt. Pipe Run — WL 9.2
 Total Depth 4796 Chlorides 3500 ppm System LCM 1 1/2

Blow Description IFI BoB 2 min.
IS! Work surface built to 1/2.
FFI BoB in 30 sec.
FS! Surface blow built to 6.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>mcgo</u>	<u>10</u>	<u>60</u>	<u>30</u>	<u>—</u>
<u>62</u>	<u>mcgo</u>	<u>30</u>	<u>40</u>	<u>30</u>	<u>—</u>
<u>62</u>	<u>mcgo</u>	<u>60</u>	<u>10</u>	<u>30</u>	<u>—</u>
Rec	Feet of <u>2961 GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 139 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2297</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>19:00</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>23:08</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1:21</u>
(D) Initial Shut-In <u>1237</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>3:51</u>
(E) Second Initial Flow <u>48</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2-</u> 1.75h 175	T-Out <u>6:45</u>
(F) Second Final Flow <u>64</u>	<input checked="" type="checkbox"/> Mileage <u>120-</u> 186	Comments <u>logged 3-3-13</u>
(G) Final Shut-In <u>1196</u>	<input type="checkbox"/> Sampler	<u>gt 23:00</u>
(H) Final Hydrostatic <u>2249</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby 1 1/2 1d 16.25h
 Accessibility

Sub Total 800
 Total 2736
 MP/DST Disc't

Sub Total 1936

Approved By _____ Our Representative

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