



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1199073
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: _____

1199073

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 061834

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Great Bend, KS

DATE <u>1-2-14</u>	SEC. <u>5</u>	TWP. <u>16S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30AM</u>	JOB FINISH <u>4:30AM</u>
LEASE <u>Grub unit</u>		WELL # <u>1-5</u>	LOCATION <u>Well 500 Black top 9N</u>			COUNTY <u>Ellsworth</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			<u>1 1/2 E Ninto</u>				

CONTRACTOR Duke Drilling F8

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 5 7/8 DEPTH 394.95

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 FT

PERFS.

DISPLACEMENT 24.19 bbls Freshwater

EQUIPMENT

PUMP TRUCK CEMENTER Dustin Chambers

366 HELPER Ben Newell

BULK TRUCK

811 / 112 DRIVER Kevin Welprows

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 275 sks Class A

34 cc 27 gal

COMMON	<u>275</u>	@ <u>17.90</u>	<u>4,922.50</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>23.40</u>	<u>117.00</u>
CHLORIDE	<u>775</u>	@ <u>.80</u>	<u>620.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>297.00</u>	@ <u>2.48</u>	<u>736.13</u>
MILEAGE	<u>13.57 x 30x</u>	<u>2.60</u>	<u>1,058.26</u>
			TOTAL <u>7,455.09</u>

REMARKS:

pump 25 bbls Freshwater Along

mix 275 sks cement

Shut Down & Release plug

Displace 24.19 bbls Freshwater

Cemented Circulate

plug down 4:00 AM

Big Down

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE Hum 30 @ 7.70 231.00

MANIFOLD @

Hum 30 @ 4.40 132.00

@

TOTAL 1,875.25

CHARGE TO: American Warrior

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1-89 1/2 Rubber Plug @ 131.00

@

@

@

TOTAL 131.00

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 X Steve H. Stephens

SIGNATURE X Steve H. Stephens

Thank You!!!

SALES TAX (If Any)

TOTAL CHARGES 9,461.38

DISCOUNT 1,875.25 IF PAID IN 30 DAYS

7,569.10



CHARGE TO: *American Warrior*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET 25267

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <i>Hays, KS</i>	<i>1-5</i>	<i>Grubb Unit</i>	<i>Ellsworth</i>	<i>KS</i>		<i>1-9-14</i>	
2. <i>Ness City, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Duke</i>	RIG NAME/NO. <i>8</i>	SHIPPED VIA <i>ct</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>5 1/2 long string</i>	WELL PERMIT NO.	WELL LOCATION <i>Sec 5, Twp 16s, R 10w</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE # 112</i>	<i>70</i>	<i>m</i>			<i>6.00</i>	<i>420.00</i>
<i>578</i>		<i>1</i>			<i>Pump Charge Longstring</i>	<i>1</i>	<i>eq</i>			<i>1500.00</i>	<i>1500.00</i>
<i>221</i>		<i>1</i>			<i>Liquid KCL</i>	<i>2</i>	<i>gal</i>			<i>25.00</i>	<i>50.00</i>
<i>281</i>		<i>1</i>			<i>Mud Flush</i>	<i>50</i>	<i>gal</i>			<i>12.50</i>	<i>625.00</i>
<i>290</i>		<i>1</i>			<i>Dr Air</i>	<i>2</i>	<i>gal</i>			<i>42.00</i>	<i>84.00</i>
<i>402</i>		<i>1</i>			<i>Centralizers</i>	<i>8</i>	<i>ea</i>	<i>5 1/2</i>		<i>70.00</i>	<i>560.00</i>
<i>403</i>		<i>1</i>			<i>Cement Basket</i>	<i>1</i>	<i>ea</i>			<i>300.00</i>	<i>300.00</i>
<i>406</i>		<i>1</i>			<i>Latch Down Plug + Ball</i>	<i>1</i>	<i>ea</i>			<i>275.00</i>	<i>275.00</i>
<i>407</i>		<i>1</i>			<i>Insert float shoe of Auto fill</i>	<i>1</i>	<i>ea</i>			<i>375.00</i>	<i>375.00</i>

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 *[Signature]*

DATE SIGNED *1-9-14* TIME SIGNED *2:10* 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	P1	<i>4184.00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	<i>5114.00</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	<i>9303.00</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Ellsworth TAX	<i>456.99</i>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7.15%	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	<i>9759.99</i>
<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!

JOB LOG

SWIFT Services, Inc.

DATE 1-9-14 PAGE NO.

CUSTOMER **AWI** WELL NO. **1-5** LEASE **Grubb Unit** JOB TYPE **5 1/2 Longstring** TICKET NO. **25267**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							on location
								TD 3407 55 21 TP 3406 Inset 3385 Centralizers 1, 3, 5, 7, 9, 11, 13, 15 Basket 4 5 1/2 x 14"
	2130							Start Pipe
	2230							Drop Ball Break Circulation
	2345		7					plug AH 30 sks
		5	12				300	Start Mod flush
		5	20				300	Start KCL Flush
	2355	5	35				200	Start Cement 145 sks
	0008							Drop Plug Wash out Pump & Lines
	0010	6						Start Displacement
	0030		82.5				800 1500	land Plug Release Dry
	0130							Wash up Back up
	0130							Job Complete Thank You Josh, Brian, Doug

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.
Grubb Unit #1-5
NE-NE-SE-SW (1171' FSL & 2610' FWL)
Section 5-16s-10w
Ellsworth County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (Rig #8)
Commenced: January 2, 2014
Completed: January 9, 2014
Elevation: 1826' K.B; 1824' D.F; 1818' G.L.
Casing program: Surface; 8 5/8" @ 394'
Production; 5 1/2" @ 3406'
Sample: Samples saved and examined 2700' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2700 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were two (2) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity Log, and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	625	+1201
Base Anhydrite	652	+1174
Heebner	2853	-1027
Toronto	2873	-1047
Douglas	2883	-1057
Brown Lime	2955	-1129
Lansing	2969	-1146
Base Kansas City	3267	-1441
Arbuckle	3294	-1465
Rotary Total Depth	3407	-1581
Log Total Depth	3407	-1581

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

There were several zones of well-developed porosity encountered in the drilling of the Topeka Section but no show of oil and/or gas was noted (see attached Drilling Time Log).

TORONTO SECTION

Limestone; white, cream, finely crystalline, fossiliferous, chalky, poor porosity, no shows.

LANSING SECTION

- 2971-2980' Limestone; white, cream, oolitic, fossiliferous, scattered porosity, no show.
- 2993-3010' Limestone; cream, tan, finely crystalline, oolitic, trace black stain, no free oil and no odor in fresh samples.
- 3018-3029' Limestone; gray, tan, oomoldic, slightly cherty, no show and no odor in fresh samples.
- 3042-3058' Limestone; white, cream, oolitic, poor porosity, cherty in part, trace white chalky, no show.
- 3060-3080' Limestone; cream, white, oomoldic, fair porosity, (barren).
- 3115-3124' Limestone; cream, tan, finely crystalline, fossiliferous, poorly developed porosity, no shows.
- 3130-3140' Limestone; gray, finely crystalline, fossiliferous in part, chalky, no shows.
- 3146-3164' Limestone; tan, cream, oolitic, sub oomoldic, chalky, few cherty, no shows.
- 3190-3200' Limestone; gray, cream, finely crystalline, dense.
- 3224-3231' Limestone; white, tan, fossiliferous, scattered porosity, chalky, no shows.

ARBUCKLE SECTION

- 3291-3295' Dolomite; tan, finely crystalline, scattered intercrystalline porosity, brown stain, show of free oil and faint odor in fresh samples.
- 3295-3297' Dolomite; as above; strong odor in fresh samples.

Drill Stem Test #1 3260-3297'

Times: 30-30-30-30

Blow: Very weak

Recovery: 1' clean oil
15' slightly oil cut mud
(5% oil, 95% mud)

Pressures: ISIP 453 psi
FSIP 347 psi
IFP 15-18 psi
FFP 18-19 psi

HSH 1709-1681 psi

3297-3307' Dolomite; as above, fair stain and saturation, show of free oil and strong odor, plus white boney opaque chert.

Drill Stem Test #2 3260-3307'

Times: 45-30-45-45

Blow: Strong

**Recovery: 100' gas in pipe
13' clean oil
127' very slightly oil cut mud
(2% oil, 98% mud)**

**Pressures: ISIP 579 psi
FSIP 593 psi
IFP 31-59 psi
FFP 65-80 psi
HSH 1621-1600 psi**

3307-3320' Dolomite, white, gray, poor to fair intercrystalline porosity, trace stain, show of free oil and good odor.

3320-3340' Dolomite; cream, tan, finely crystalline, poor porosity, trace stain, show of free oil and good odor in fresh samples.

3340-3360' Dolomite; as above, oomoldic, poorly developed, no show and fair odor in fresh samples.

3360-3390' Dolomite; as above.

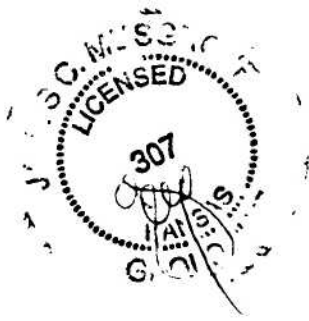
3390-3407' Dolomite; white, cream, tan, finely crystalline, sucrosic in part, no show, faint odor.

**Rotary Total Depth 3407
Log Total Depth 3407**

Recommendations: 5 1/2" production casing was set and cemented in the Grubb Unit #1-5.

Respectfully submitted;

Clint & James C. Musgrove
Clint Musgrove and
James C. Musgrove,
Petroleum Geologists





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 3118 Cummings Rd.
 P.O. Box 399
 Garden City Ks. 67846
 ATTN: Clint Musgrove

5-16s-10w Ellsworth Ks.

Grubb Unit#1-5

Job Ticket: 51841 **DST#: 2**
 Test Start: 2014.01.08 @ 19:07:01

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:54:46
 Time Test Ended: 01:37:31
 Interval: **3260.00 ft (KB) To 3307.00 ft (KB) (TVD)**
 Total Depth: 3307.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 53
 Reference Elevations: 1822.00 ft (KB)
 1814.00 ft (CF)
 KB to GR/CF: 8.00 ft

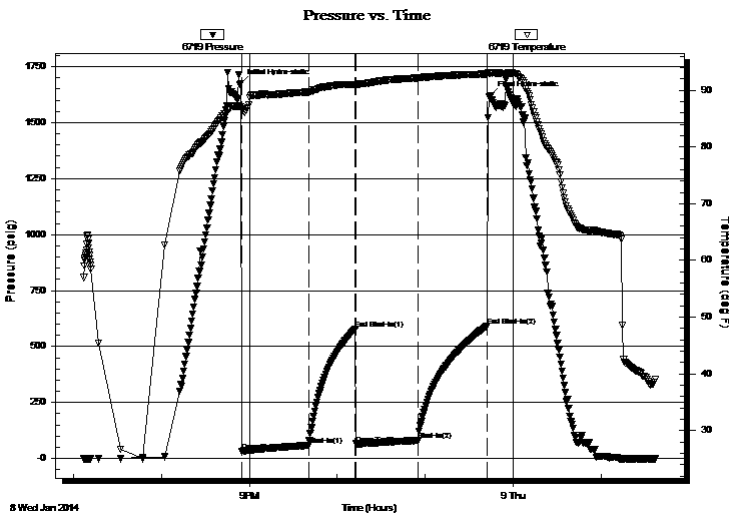
Serial #: 6719

Outside

Press@RunDepth: 80.14 psig @ 3261.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.08 End Date: 2014.01.09 Last Calib.: 2014.01.09
 Start Time: 19:07:06 End Time: 01:37:30 Time On Btm: 2014.01.08 @ 20:54:01
 Time Off Btm: 2014.01.08 @ 23:44:31

TEST COMMENT: IF: Fair to strong blow B.O.B in 38 mins
 IS: No blow
 FF: Fair blow increased to 12" in diesel
 FS: Weak blow (surface) dead in 15 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.54	87.09	Initial Hydro-static
1	31.30	86.50	Open To Flow (1)
47	59.16	89.70	Shut-In(1)
79	579.04	91.05	End Shut-In(1)
79	65.37	90.80	Open To Flow (2)
122	80.14	92.19	Shut-In(2)
169	592.73	92.86	End Shut-In(2)
171	1620.53	92.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100 ft.of GIP	0.00
13.00	Clean oil	0.18
127.00	SOCM 2%o 98%m	1.78

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
3118 Cummings Rd.
P.O. Box 399
Garden City Ks. 67846
ATTN: Clint Musgrove

5-16s-10w Ellsworth Ks.
Grubb Unit#1-5
Job Ticket: 51841 **DST#: 2**
Test Start: 2014.01.08 @ 19:07:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39.7 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 8500 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 8500.00 ppm		
Filter Cake: 0.20 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	100 ft.of GIP	0.000
13.00	Clean oil	0.182
127.00	SOCM 2%o 98%m	1.781

Total Length: 140.00 ft Total Volume: 1.963 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

