

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

10/26/12

OPERATOR: License # 4058
Name: American Warrior, Inc
Address 1: P O Box 399
Address 2:
City: Garden City State: KS Zip: 67846 +
Contact Person: Kevin Wiles, Sr
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co
Wellsite Geologist: James C. Musgrove
Purchaser: NCRA

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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 #:

8/16/10	8/23/10	10/6/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 083-21, 666-6060

Spot Description: NW-SW-NE-SW

NW SW NE SW Sec. 13 Twp. 21 S. R. 25 East West

1,793 Feet from North / South Line of Section

1,485 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Hodgeman

Lease Name: Miner C Well #: 5-13

Field Name: Stairrett

Producing Formation: Mississippi

Elevation: Ground: 2355' Kelly Bushing: 2366'

Total Depth: 4552' Plug Back Total Depth: 4538'

Amount of Surface Pipe Set and Cemented at: 222' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1627 Feet

If Alternate II completion, cement circulated from: surface

feet depth to: 1627' w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 19,000 ppm Fluid volume: 105 bbls

Dewatering method used: EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. East West

County: Permit #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: *Yil L...*

Title: Geologist Date: 10/25/10

KCC Office Use ONLY

- Letter of Confidentiality Received Date: 10/26/10 - 10/26/12
- Confidential Release Date:
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: *NS* Date: 11-4-10

KCC

Operator Name: American Warrior, Inc Lease Name: Miner C Well #: 5-13 OCT 26 2011
 Sec. 13 Twp. 21 S. R. 25 East West County: Hodgeman **CONFIDENTIAL**

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" 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: DIL, CNL/CDL, MIL, BHCS	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Stone Corral</td> <td>1595'</td> <td>+771</td> </tr> <tr> <td>Base Stone Corral</td> <td>1635'</td> <td>+731</td> </tr> <tr> <td>Heebner</td> <td>3792'</td> <td>-1426</td> </tr> <tr> <td>Lansing</td> <td>3836'</td> <td>-1470</td> </tr> <tr> <td>Base Kansas City</td> <td>4208'</td> <td>-1842</td> </tr> <tr> <td>Cherokee</td> <td>4391'</td> <td>-2025</td> </tr> <tr> <td>Mississippi</td> <td>4477'</td> <td>-2111</td> </tr> </tbody> </table>	Name	Top	Datum	Stone Corral	1595'	+771	Base Stone Corral	1635'	+731	Heebner	3792'	-1426	Lansing	3836'	-1470	Base Kansas City	4208'	-1842	Cherokee	4391'	-2025	Mississippi	4477'	-2111
Name	Top	Datum																							
Stone Corral	1595'	+771																							
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Cherokee	4391'	-2025																							
Mississippi	4477'	-2111																							

CASING RECORD <input checked="" 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
Surface	12-1/4"	8-5/8"	23#	222'	Common	150	3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	4552'	EA-2	25	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4500'-4501'	Common	75	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4500'-4501'	250 Gal 15%FE, squeeze 75 sks Common	Same
4	4484'-4492'	500 Gal 20% MCACH	Same

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TUBING RECORD: Size: <u>2.375</u> Set At: <u>4535'</u> Packer At: <u>4502'</u>			Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>N/A</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>N/A</u>	Gas Mcf <u>N/A</u>	Water Bbls. <u>N/A</u>	Gas-Oil Ratio <u>N/A</u>
				Gravity <u>N/A</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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: _____ _____
--	--	--



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

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TICKET
 18732
 PAGE 1 OF 2

SERVICE LOCATIONS
 1. **NESS City, Ks**
 WELL/PROJECT NO. **5-13** LEASE **MEYER "C"** COUNTY/PARISH **HODGEMAN** STATE **Ks** CITY **NESS** DATE **8-23-10** OWNER **SAME**
 2. TICKET TYPE SERVICE CONTRACTOR **DUKE DALG #5** RIG NAME/NO. **LOCATZON** SHIPPED VIA **CT** DELIVERED TO **LOCATZON** ORDER NO.
 3. WELL TYPE **OTL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **5 1/2" LONGSTAIRS** WELL PERMIT NO. WELL LOCATION **NW/JETMORE, Ks**
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 104	20				5.00	100.00
578		1			PUMP CHARGE	1				1400.00	1400.00
221		1			LIQUID KCL	2				25.00	50.00
281		1			MUD FLUSH	500				1.00	500.00
402		1			CENTRALDSES	9				55.00	495.00
403		1			CEMENT BASKETS	2				200.00	400.00
404		1			PORT COLLAR TORJT # 70	1				1900.00	1900.00
406		1			LATCH DOWN PLUG - RAFFLE	1				225.00	225.00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1				275.00	275.00
419		1			ROTARY HEAD RENTAL	1				150.00	150.00

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 *Kenneth McInnis*
 DATE SIGNED **8-23-10** TIME SIGNED **1900** 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?				#1	5495.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	4007.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	10,060.51

subtotal 9502.50
 Tax Hodgeman 7.45% 558.01

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR *Wayne Wilson* APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-28-10 PAGE NO.

CUSTOMER American Water Inc. WELL NO. 5-13 LEASE MEWER "C" JOB TYPE 5 1/2" LONGSTRING TICKET NO. 18729/18732

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ON LOCATION
	1910							START 5 1/2" CASING IN WELL
								TD-4552 SET=4550
								TP-4552 5 1/2" 15.5
								ST-21.35
								CENTRALIZERS-1,3,5,7,9,11,13,69,71
								CMT BSKTS-6,70
								PORT COLLAR 1629 TOP JT* 70
	2115							DROP BALL- CIRCULATE ROTATE
	2205	6 1/2	12		✓		450	PUMP 500 GAL MODFLUSH
	2207	6 1/2	20		✓		450	PUMP 20 BBLs KCL- FLUSH
	2212		7-5					PLUG RH- MH (30SKS - 20SKS)
	2218	4 1/2	30		✓		300	MIX CEMENT 125 SKS EA-2 = 15.4 PPG
	2227							WASH OUT PUMP - LINES
	2228							RELEASE LATCH DOWN PLUG
	2230	7	0		✓			DISPLACE PLUG
		7	106				950	
	2245	6	109.8				1500	PLUG DOWN- PSE UP LATCH IN PLUG
	2247						OK	RELEASE PSE- HELD RECEIVED
								OCT 26 2010
								WASH TRUCK KCC WICHITA
	2330							JOB COMPLETE
								THANK YOU
								WAYNE, DON L., BOB



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

TICKET CONTINUATION

TICKET No. ~~18732~~ 18732

CUSTOMER: AMERICAN WOODS INC. WELL: MEYER "C" 5-13 DATE: 8-29-10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION					UNIT PRICE	AMOUNT
		LOG	ACCT	DF			QTY	UM	QTY	UM		
325	KCC OCT 26 2010 CONFIDENTIAL	1				STANDARD CEMENT EA-2	175	SBS			12.00	2100.00
276		1				FLOCELE	50	LBS			1.50	75.00
283		1				SALT	900	LBS			.15	135.00
284		1				CALSEAL	8	SBS	800	LBS	30.00	240.00
292		1				HAWK 322	125	LBS			7.00	875.00
290		1				D-ADR	2	GAL			35.00	70.00
581		1				SERVICE CHARGE						
582		1										
						TOTAL WEIGHT	18325					
						LOADED MILES	20					
						CUBIC FEET	175			1.50	262.50	
						TON MILES	183.25			250.00	250.00	

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CONTINUATION TOTAL 4007.50

ALLIED CEMENTING CO., LLC. 036806

KCC

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

OCT 26 2010

SERVICE POINT:
Great Bend KS

CONFIDENTIAL

DATE <u>8-16-10</u>	SEC. <u>13</u>	TWP. <u>21S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>1230 PM</u>	JOB FINISH <u>100 PM</u>
LEASE <u>MINE</u>	WELL # <u>5-13</u>	LOCATION <u>Ness City KS South To</u>			COUNTY <u>Hodeman</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			RD x <u>8W TO 210 RD S TO V RD 1 1/2 East</u>				

CONTRACTOR Duke S
 TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D. 226
 CASING SIZE 8 3/4 DEPTH 222.87
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 13.18 BBLs

OWNER American Wauvion

EQUIPMENT

PUMP TRUCK CEMENTER Wayne - D
 # 181 HELPER Bob - R
 BULK TRUCK
 # 344 DRIVER Bill
 BULK TRUCK
 # DRIVER

CEMENT
 AMOUNT ORDERED 150 SX Class A
3% cc 2% Gel

COMMON	<u>150 SX</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>2025</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>150 x 22 x .10</u>			<u>330.00</u>
TOTAL				<u>3010.75</u>

REMARKS:

Pipe on Bottom Break
Circulation with Rig mud
Shut Down Hook up to cement
line mix 150SX class A 3% cc 2% gel
Displace BBLs fresh water -
Cement did circulate.
Shut in wash up Rig Down

SERVICE

DEPTH OF JOB	<u>222</u>		
PUMP TRUCK CHARGE			<u>990.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>22</u>	@	<u>7.00 154.00</u>
MANIFOLD		@	
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CHARGE TO: American Wauvion
 STREET _____
 CITY _____ STATE _____ ZIP _____

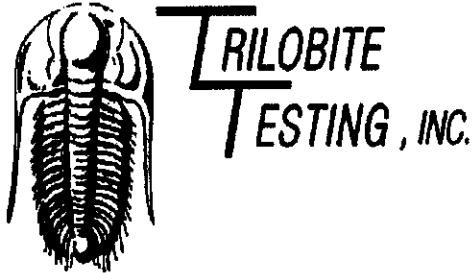
KCC WICHITA

TOTAL 1174.0

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment

	@	
	@	
	@	
	@	
	@	



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846+0399

ATTN: Jim M.

13/21/25

Miner C 5-13

Start Date: 2010.08.22 @ 13:30:00

End Date: 2010.08.22 @ 21:10:00

Job Ticket #: 39346 DST #: 1

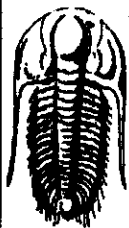
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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.

Miner C 5-13

PO Box 399
Garden City KS 67846+0399

13/21/25

Job Ticket: 39346

DST#: 1

ATTN: Jim M.

Test Start: 2010.08.22 @ 13:30:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:23:00

Time Test Ended: 21:10:00

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **4406.00 ft (KB) To 4492.00 ft (KB) (TVD)**

Total Depth: **4492.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2366.00 ft (KB)**

2355.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6772

Inside

Press@RunDepth: **294.02 psig @ 4472.00 ft (KB)**

Start Date: **2010.08.22**

End Date:

2010.08.22

Start Time: **13:30:05**

End Time:

21:09:59

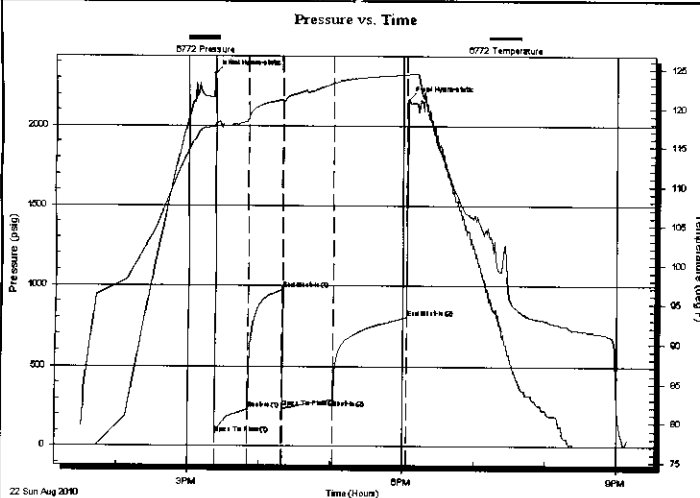
Capacity: **8000.00 psig**

Last Calib.: **2010.08.22**

Time On Btm: **2010.08.22 @ 15:22:00**

Time Off Btm: **2010.08.22 @ 18:04:20**

TEST COMMENT: IF- Good blow BOB 10min.
IS- Weak surface blow.
FF- Good blow BOB 15min.
FS- Weak surface blow.



PRESSURE SUMMARY

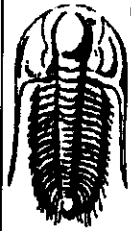
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2325.26	117.94	Initial Hydro-static
1	76.71	117.85	Open To Flow (1)
29	233.37	118.92	Shut-In(1)
57	971.97	121.11	End Shut-In(1)
58	242.71	120.91	Open To Flow (2)
100	294.02	123.16	Shut-In(2)
162	801.32	124.27	End Shut-In(2)
163	2160.11	124.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
530.00	20%gas 30%mud 50%oil	4.64

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+0399

ATTN: Jim M.

Miner C 5-13
13/21/25
Job Ticket: 39346 **DST#: 1**
Test Start: 2010.08.22 @ 13:30:00

Tool Information

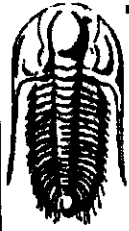
Drill Pipe:	Length: 4099.00 ft	Diameter: 3.80 inches	Volume: 57.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4406.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	106.00 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			4387.00	
Shut In Tool	5.00			4392.00	
Hydraulic tool	5.00			4397.00	
Packer	5.00			4402.00	20.00 Bottom Of Top Packer
Packer	4.00			4406.00	
Stubb	1.00			4407.00	
Perforations	1.00			4408.00	
Change Over Sub	1.00			4409.00	
Drill Pipe	62.00			4471.00	
Change Over Sub	1.00			4472.00	
Recorder	0.00	8355	Inside	4472.00	
Recorder	0.00	6772	Inside	4472.00	
Perforations	17.00			4489.00	
Bullnose	3.00			4492.00	86.00 Bottom Packers & Anchor

Total Tool Length: 106.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City KS 67846+0399
ATTN: Jim M.

Miner C 5-13
13/21/25
Job Ticket: 39346 **DST#: 1**
Test Start: 2010.08.22 @ 13:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
530.00	20%gas 30%mud 50%oil	4.638

Total Length: 530.00 ft Total Volume: 4.638 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 40 @ 80dec. =39 gravity

