

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

10/28/12

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: Jason Alm
Purchaser: NCRA

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Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

9/17/10	9/24/10	10/25/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 083-21, 669-000

Spot Description: NE-SW-NE-NE
NE SW NE NE Sec. 3 Twp. 21 S. R. 25 East West
690 Feet from North / South Line of Section
780 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Hodgeman
Lease Name: Borger Well #: 1-3
Field Name: Wildcat
Producing Formation: Mississippi
Elevation: Ground: 2358' Kelly Bushing: 2369'
Total Depth: 4552' Plug Back Total Depth: 4523'
Amount of Surface Pipe Set and Cemented at: 222' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1579 Feet
If Alternate II completion, cement circulated from: Surface
feet depth to: 1579' w/ 125 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 20,100 ppm Fluid volume: 97 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: Jason Alm

Title: Geologist Date: 10/27/10

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 10/28/10 - 10/28/12
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NJ Date: 11-510

Operator Name: American Warrior, Inc

Lease Name: Borger

Well #: 1-3

Sec. 3 Twp. 21 S. R. 25 East West

County: Hodgeman

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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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	1643'	+726
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Stone Corral	1685'	+684
Electric Log Submitted Electronically <i>(if no, Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3774'	-1405
List All E. Logs Run:		Lansing	3815'	-1446
CNL/CDL, DIL, MEL		Base Kansas City	4184'	-1815
		Cherokee	4369'	-2000
		Mississippi	4438'	-2069

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"	24#	222'	Common	150	3%cc 2%gel
Production	8-7/8"	5-1/2"	17#	4547'	EA-2	125	Flocele

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	4468'-4469'	Common	35	

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
4	4468'-4469'	35 sks Common Squeeze	Same
4	4456'-4461'	500 Gal 20% CHMCA	Same

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TUBING RECORD:	Size: 2-3/8"	Set At: 4520'	Packer At: 4451'	Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. N/A	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. N/A	Gas Mcf N/A	Water Bbls. N/A	Gas-Oil Ratio Gravity

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: _____ _____
--	--	--

Borger #1-3.txt

Geological Report

American Warrior Inc.

Borger #1-3

690' FNL & 780' FEL

Sec. 3 T21s R25w

Hodgeman County, Kansas

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American Warrior, Inc.

♀
General Data

Well Data: American warrior, Inc.

Borger #1-3

690' FNL & 780' FEL

Sec. 3 T21s R25w

Hodgeman County, Kansas

API # 15-083-21669-0000

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Borger #1-3.txt

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Jason Alm, Harley Sayles

Spud Date: September 15, 2010

Completion Date: September 23, 2010

Elevation: 2358' Ground Level
2369' Kelly Bushing

Directions: Laird KS, South 11 mi. to county line rd. East 1/2 mi. South into location.

Casing: 222' 8 5/8" surface casing
4551' 5 1/2" production casing

Samples: 10' wet and dry, 3700' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Log-Tech, Inc. "Brett Becker"
CNL/CDL, DIL, MEL

Drillstem Tests: One, Trilobite Testing, Inc. "Jeff Brown"

Problems: None

Remarks: None

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Borger #1-3.txt

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Formation Tops

American Warrior, Inc.

Borger #1-3Sec. 3 T21s R25w690' FNL & 780' FELAnhydrite1643', +726
Base1685', +684Heebner3774', -1405Lansing3815', -1446Stark4095', -1726Bkc4184',
-1815Marmaton4206', -1837Pawnee4299', -1930Fort Scott4345', -1976Cherokee4369',
-2000Mississippian 4438', -2069LTD4552', -2183RTD4540', -2171Formation

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Sample Zone Descriptions

Mississippian (4432', -2063): Covered in DST #1

Dolo - Fine to medium sucrosic crystalline with fair to good inter-crystalline and vugular porosity, light to fair oil stain and saturation, fair to good show of free oil, fair yellow fluorescents, 30 units hotwire.

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Drill Stem Tests

Trilobite Testing Inc.

"Jeff Brown"

DST #1 Mississippian Warsaw

Interval (4445' - 4452') Anchor Length 7'

IHP - 2339 #

IFP - 45" - Built to 3 in. 31-236 #

ISI - 45" - W.S.B. 1224 #

FFP - 45" - B.O.B. 35 min. 244-352 #

FSI - 45" - Dead 1173 #

FHP - 2201 #

BHT - 127°F

Recovery: 248' GIP

617' CGO Gravity: 40° API

248' WOCM 35% Oil, 15% Water

62' WOCM 15% Oil, 5% Water

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Structural Comparison

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American Warrior, Inc. Mull Drilling Co. Beardmore Oil
Borger #1-3Nuss #1Nuss D #1Sec. 3 T21s R25wSec. 3 T 21s R25w690' FNL
& 780' FEL330' FNL & 1650' FELC NW SEAnhydrite1643', +726NANANANA
Base1685', +684NANANANAHeebner3774', -14053791', -1409(+4)3764', -1413(+8)
Lansing3815', -14463837', -1455(+9)3805', -1454(+8)
Stark4095', -1726NANANANABKc4184', -1815NANANANAMarmaton4206',
-1837NANANANAPawnee4299', -1930NANANANAFort Scott4345', -19764368', -1986(+10)4343',
-1992(+16)
Cherokee4369', -20004393', -2011(+11)NANAMississippian4438', -20694470',

-2088(+19)4450', -2099(+30)
Formation

♀
Summary

The location for the Borger #1-3 well 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 Warsaw Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Borger #1-3 well.

Recommended Perforations

Mississippian: (4456' - 4461') DST #1

Perf and Squeeze: (4468' - 4469')

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Borger #1-3.txt

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.

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ALLIED CEMENTING CO., LLC. 035461

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

SERVICE POINT:

Dobley

DATE <i>9/17/10</i>	SEC. <i>3</i>	TWP. <i>21</i>	RANGE <i>25</i>	CALLED OUT	ON LOCATION	JOB START <i>8:00p</i>	JOB FINISH <i>8:15p</i>
LEASE <i>Boggs</i>	WELL # <i>13</i>	LOCATION <i>Wear City 9 to Red X</i>			COUNTY <i>Hodgeman</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)				<i>W to 210 1N 14W S12T0</i>			

CONTRACTOR *Duke 5*

TYPE OF JOB *5-face*

HOLE SIZE *12 1/4* T.D. *226*

CASING SIZE *8 5/8* DEPTH *222.60*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15*

PERFS.

DISPLACEMENT *13.18*

OWNER *James*

CEMENT AMOUNT ORDERED *150 SK. 3700 C*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

122 HELPER *Wump*

BULK TRUCK

416 DRIVER *Jerry*

BULK TRUCK

DRIVER

COMMON *150* @ *13.65* *2047.50*

POZMIX @

GEL *3* @ *20.42* *61.26*

CHLORIDE *5* @ *57.2* *285.25*

ASC @

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HANDLING *158 SK* @ *2.11* *331.58*

MILEAGE *120 SK* @ *3.25* *390.00*

TOTAL *3121.25*

REMARKS:

Run 8 5/8 Casing Circulate 150

Wear 3700 C 2nd leg

Displace cement w/ 13.18 AMH Fluid

Cement D. & Circulate

Thank You

Alan, Wump, Jerry

CHARGE TO *American Warrior Inc*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *999.00*

EXTRA FOOTAGE @

MILEAGE *25 miles* @ *7.00* *175.00*

MANIFOLD @

TOTAL *1124.00*

PLUG & FLOAT EQUIPMENT



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

TICKET
19017

PAGE 1 OF 2

SERVICE LOCATIONS
1. NESS CITY, KS.

WELL/PROJECT NO. _____ LEASE BORGER 1-3 COUNTY/PARISH HODGEMAN STATE KS. CITY JETMORE, KS. DATE 23 SEP 10 OWNER _____

TICKET TYPE SERVICE SALES CONTRACTOR DUKE DRILLING RIG # 5 RIG NAME/NO. _____ SHIPPED VIA _____ DELIVERED TO LOCATION ORDER NO. _____

WELL TYPE OIL WELL CATEGORY DEVELOPMENT JOB PURPOSE 5 1/2 LONGSTRING WELL PERMIT NO. _____ WELL LOCATION N TO RDX, 8W, 1N, 4W, SINTO

REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #110	25	MIL			5.00	125	00
578		1			PUMP CHARGE	1	JOB	4545	FT	1400.00	1400	00
402		1			CENTRALIZERS	9	EA.			55.00	495	00
403		1			BASKETS	2	EA.			200.00	400	00
404		1			PORT COLLAR	1	EA.	1580	FT.	1900.00	1900	00
406		1			LATCH DOWN PLUG & BAFFLE	1	EA.			225.00	225	00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1	EA.			275.00	275	00
281		1			MUD FLUSH	500	Gal			1.00	500	00
221		1			LIQUID KCL	2	Gal			25.00	50	00
419		1			ROTATING HEAD RENTAL	1	JOB			150.00	150	00

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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 23 SEP 10 TIME SIGNED 1930 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		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE 1	5520.00
WE UNDERSTOOD AND MET YOUR NEEDS?				PAGE TOTAL	3974.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				PAGE 2	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				sub total	9494.00
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				hodge man TAX 7.45%	555.51
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	10,049.51

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!



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

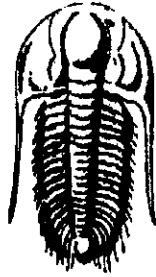
TICKET CONTINUATION

TICKET No. 19017

CUSTOMER AMERICAN WARRIOR WELL BDRGER 1-3 DATE 23 SEP 10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOG	ACCT	DF								
276		1				FLOCELE	44	lbs			1.50	66.00
283		1				SALT	900	lbs			15	135.00
284		1				CALSEAL	8	sx	800	lbs.	30.50	240.00
292		1				HALAD 322	124	lbs.			7.00	868.00
290		1				D-AIR	1 1/2	gal			35.00	52.50
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325		1				STANDARD CEMENT	175	sx			12.00	2100.00
581		1				SERVICE CHARGE					1.50	262.50
582		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		250.00	250.00
							18318	25	228.97			

CONTINUATION TOTAL 3974.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Harley Sales

3-21-25 Hodgeman, Ks

Borger # 1-3

Start Date: 2010.09.22 @ 14:57:15

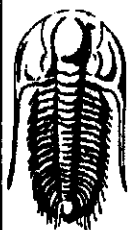
End Date: 2010.09.22 @ 23:47:00

Job Ticket #: 38355 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.

Borger # 1-3

PO Box 399
Garden City, KS 67846

3-21-25 Hodgeman, Ks

Job Ticket: 38355

DST#: 1

ATTN: Harley Sales

Test Start: 2010.09.22 @ 14:57:15

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:45

Time Test Ended: 23:47:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: **4445.00 ft (KB) To 4452.00 ft (KB) (TVD)**

Total Depth: 4452.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2369.00 ft (KB)

2358.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8358

Inside

Press@RunDepth: 352.39 psig @ 4446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.22

End Date:

2010.09.22

Last Calib.: 2010.09.23

Start Time: 14:57:15

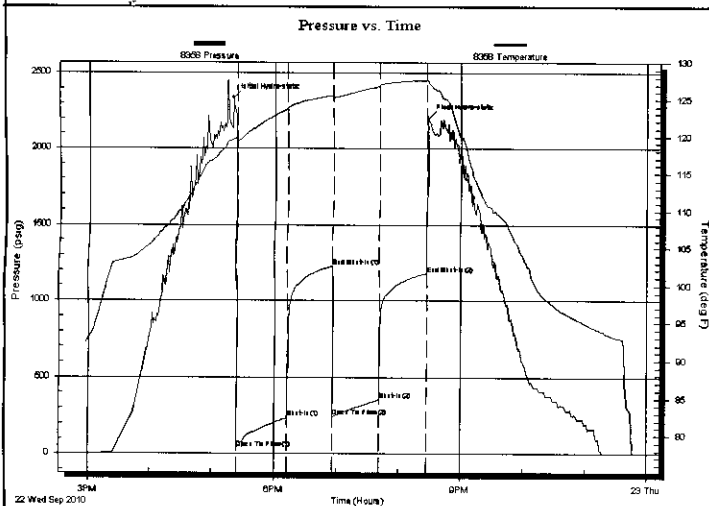
End Time:

23:47:00

Time On Btm: 2010.09.22 @ 17:20:00

Time Off Btm: 2010.09.22 @ 20:28:45

TEST COMMENT: IF: Built to 3 inches then died to 2 1/2 .
IS: Weak surface blow died at 40 minutes.
FF: BOB at 35 minutes.
FS: No return blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.10	119.73	Initial Hydro-static
4	31.26	119.30	Open To Flow (1)
53	236.11	123.75	Shut-In(1)
96	1223.80	125.57	End Shut-In(1)
97	243.77	125.35	Open To Flow (2)
141	352.39	126.82	Shut-In(2)
188	1173.33	127.62	End Shut-In(2)
189	2201.75	127.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	w om 5%o 15%o 80%m	0.30
248.00	w om 15%w , 35%o 50%m	1.25
617.00	gco 30%g 70%-%g	8.65
0.00	248' 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.

Borger # 1-3

PO Box 399
Garden City, KS 67846

3-21-25 Hodgeman, Ks

Job Ticket: 38355

DST#: 1

ATTN: Harley Sales

Test Start: 2010.09.22 @ 14:57:15

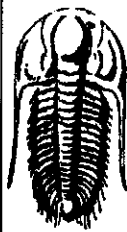
Tool Information

Drill Pipe:	Length: 4121.00 ft	Diameter: 3.80 inches	Volume: 57.81 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 307.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 59.32 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4445.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4418.00	
Shut In Tool	5.00			4423.00	
Hydraulic tool	5.00			4428.00	
Jars	5.00			4433.00	
Safety Joint	3.00			4436.00	
Packer	5.00			4441.00	28.00 Bottom Of Top Packer
Packer	4.00			4445.00	
Stubb	1.00			4446.00	
Recorder	0.00	8358	Inside	4446.00	
Recorder	0.00	8322	Inside	4446.00	
Perforations	3.00			4449.00	
Bullnose	3.00			4452.00	7.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Borger # 1-3

PO Box 399
Garden City, KS 67846

3-21-25 Hodgeman, Ks

Job Ticket: 38355

DST#: 1

ATTN: Harley Sales

Test Start: 2010.09.22 @ 14:57:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.58 in³

Resistivity: 0.00 ohm.m

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

40 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	w om 5%o 15%o 80%m	0.305
248.00	w om 15%w, 35%o 50%m	1.247
617.00	gco 30%g 70%o-%g	8.655
0.00	248' GIP	0.000

Total Length: 927.00 ft Total Volume: 10.207 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 41 @ 70 corrected to 40 @ 60

