



KANSAS CORPORATION COMMISSION 1090302
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 # 4058
Name: American Warrior, Inc.
Address 1: 3118 Cummings Rd
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 +
Contact Person: Joe Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Harley Sayles
Purchaser: Plains Marketing LLC.

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 #: _____

<u>06/22/2012</u>	<u>06/28/2012</u>	<u>08/07/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21801-00-00
Spot Description: _____
NW SW SE NE Sec. 9 Twp. 23 S. R. 22 East West
2000 Feet from North / South Line of Section
1200 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Hodgeman
Lease Name: Housman Well #: 3-9
Field Name: Hanston-Oppy Southeast
Producing Formation: Mississippian
Elevation: Ground: 2221 Kelly Bushing: 2234
Total Depth: 4479 Plug Back Total Depth: 4479
Amount of Surface Pipe Set and Cemented at: 1040 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: 14000 ppm Fluid volume: 40 bbls
Dewatering method used: Evaporated
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: Deanna Gombor Date: 08/15/2012



1090302

Operator Name: American Warrior, Inc. Lease Name: Housman Well #: 3-9
 Sec. 9 Twp. 23 S. R. 22 East West County: Hodgeman

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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Sample Name Attached Top Attached Datum Attached
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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	12.250	8.625	24	1040	60/40, Class A	550	
Production	7.875	5.50	15.5	4475	EA-2	125	

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 (Amount and Kind of Material Used)	Depth
	4475' to 4479'		

TUBING RECORD: Size: 2.375 Set At: 4469' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: 08/10/2012 Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	5	0	150		36

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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4475' to 4479'</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Housman 3-9
Doc ID	1090302

Tops

Anhy	1342'	+892
B/Anhy	1377'	+857
Heebner	3783'	-1549
Lansing	3850'	-1616
Stark	4102'	-1868
B/KC	4204'	-1970
Marmaton	4226'	-1992
Ft.Scott	4382'	-2148
Mississippian	4462'	-2228

Geological Report

**American Warrior Inc.
Housman #3-9
2000' FNL & 1200' FEL
Sec. 9 T23s R22w
Hodgeman County, Kansas**



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Housman #3-9
2000' FNL & 1200' FEL
Sec. 9 T23s R22w
Hodgeman County, Kansas
API # 15-083-21801-0000

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Harley Sayles

Spud Date: June 22, 2012

Completion Date: June 29, 2012

Elevation: 2221' Ground Level
2234' Kelly Bushing

Directions: Hanston KS, 3.8 mi South on Bazine Rd North to L Rd, then 1.5 mi West on L Rd, South and Southeast 0.4 mi into location

Casing: 23# 8 5/8" surface casing @ 1045, 15.5# 5 1/2" production casing @ 4475

Samples: 10' wet and dry, 3750' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, "Leal Cason"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Housman #3-9 Sec. 9 T23s R22w 2000' FNL & 1200' FEL
Anhydrite	1342', +892
Base	1377', +857
Heebner	3783', -1549
Lansing	3850', -1616
Stark	4102', -1868
BKc	4204', -1970
Marmaton	4226', -1992
Pawnee	4298', -2064
Fort Scott	4382', -2148
Cherokee	4407', -2173
Mississippian	4462', -2228
Osage	4475', -2241
RTD	4481', -2247

Sample Zone Descriptions

Osage (4475', -2241): Covered in DST #1

Δ-Dolo- Cream, fine crystalline, good intercrystalline porosity, mostly chert in sample, white, fresh to fairly weathered, slight show of free oil, weak odor, dull yellow florescence

Drill Stem Tests
Trilobite Testing Inc.
"Leal Cason"

DST #1 **Mississippian Osage**

Interval (4475' - 4481') Anchor Length 6'

IHP	- 2157 #	
IFP	- 15" - B.O.B. 2"	100-399 #
ISIP	- 45" - Surface blow back	1432 #
FFP	- 15" - B.O.B. 3"	396-612 #
FSIP	- 45" - Surface blow back	1431 #
FHP	- 2120 #	
BHT	- 123 °F	

Recovery:	930' O	Gravity: 26° API
	186' SOCW	5% Oil, 95% Water
	311' W	65,000 ppm

Structural Comparison

	American Warrior, Inc. Housman #3-9 Sec. 9 T23s R22w 2000' FNL & 1200' FEL.	American Warrior, Inc. Housman #2-9 Sec. 9 T23s R22w 1654' FNL & 1972' FEL		Tomlinson Oil Company, Inc. Housman #3 Sec. 9 T23s R22w 1807' FNL & 543' FEL	
Formation					
Anhydrite	1342', +892	1342', +891	(+1)	1330', +891	(+1)
Base	1377', +857	1376', +857	flat	1364', +857	flat
Hebner	3783', -1549	3784', -1551	(+2)	3778', -1557	(+8)
Lansing	3850', -1616	3852', -1619	(+3)	3843', -1622	(+6)
Stark	4102', -1868	4106', -1873	(+5)	N/A	N/A
BKc	4204', -1970	4212', -1979	(+9)	N/A	N/A
Marmaton	4226', -1992	4230', -1997	(+5)	N/A	N/A
Pawnee	4298', -2064	4296', -2063	(-1)	N/A	N/A
Fort Scott	4382', -2148	4386', -2153	(+5)	4373', -2152	(+4)
Cherokee	4407', -2173	4410', -2177	(+4)	4399', -2178	(+5)
Mississippian	4462', -2228	4464', -2231	(+3)	4446', -2225	(-3)
Osage	4475', -2241	4476', -2243	(+2)	4464', -2243	(+2)
RTD	4481', -2247				

Summary

The location for the Housman #3-9 well was found via 3-D seismic survey. The new well ran structurally as expected via the survey. A seismic map was not made of the Mississippian horizon. The one drill stem test was conducted, which recovered commercial amounts of oil from the Mississippian Osage Stage. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Housman #2-9 well.

Recommended Perforations

Primary:

Mississippian Osage

Open Hole:

(4475' - 4479')

DST #1

Respectfully Submitted,

Harley K. Sayles
American Warrior Inc.

ALLIED OIL & GAS SERVICES, LLC 053632

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

SERVICE POINT:
Greatfield

DATE <u>6-23-12</u>	SEC <u>9</u>	TWP. <u>23s</u>	RANGE <u>22w</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>4:00</u>
LEASE <u>Hansen</u>		WELL # <u>3-9</u>		LOCATION <u>Hansen well 29 2E 31N 20</u>		COUNTY <u>Haskell</u>	STATE <u>Kansas</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Duke Drilling #9
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D.
 CASING SIZE 4 1/2 DEPTH 1045.03
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 46.16 lb
 PERFS.
 DISPLACEMENT 63.94 66lb Freshmark

OWNER
 CEMENT
 AMOUNT ORDERED 350 3/4 60' class A 40' 202
61' gel 3 1/2 cc 1/4 Flt 202 58' class A
3 1/2 cc 2 1/2 gel
 COMMON 200 @ 16.25 3250.00
 POZMIX @
 GEL 4 @ 21.25 85.00
 CHLORIDE 18 @ 58.20 1047.60
 ASC @
350 3/4 60' 140 + 6 20 @ 14.50 5075.00
Flt seal 87 @ 2.70 234.00
 HANDLING 581 @ 2.10 1221.00
 MILEAGE 25.22 x 35 @ 2.35 2074.30
 TOTAL 12,988.60

EQUIPMENT
 PUMP TRUCK CEMENTER Dustin C
 # 399 HELPER Kerry B
 BULK TRUCK
 # 492 DRIVER Joe M
 BULK TRUCK
 # 379 DRIVER Merlin

REMARKS:

See Cement Log
Plug Pump 3.45

CHARGE TO: American Water Ind
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 1045
 PUMP TRUCK CHARGE 1125.00
 EXTRA FOOTAGE 545 @ .95 517.75
 MILEAGE Hum 35 @ 7.00 245.00
 MANIFOLD @
Hum 35 @ 4.00 140.00
 TOTAL 2027.75

PLUG & FLOAT EQUIPMENT

Baffle plate @ 112.00 112.00
Rubber plug @ 112.00 112.00
 TOTAL 224.00

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 Emigdio Rojas
 SIGNATURE x Emigdio Rojas

Thank you!!

SALES TAX (If Any) _____
 TOTAL CHARGES 15,240.30
 DISCOUNT 25.98 @ 3.810.09 IF PAID IN 30 DAYS
11430.30



CHARGE TO
AMERICAN WARRIOR

ADDRESS

CITY, STATE, ZIP CODE

TICKET
No 22745

PAGE 1 OF 2

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO.	LEASE Housman 3-9	COUNTY/PARISH HODGEMAN	STATE KS	CITY HAUSTON, KS	DATE 29 Jun/12	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRILLING RIG #9	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE DIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE S LONGSTRING	WELL PERMIT NO.	WELL LOCATION 4S, 1 1/2 W, S/E INTD		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	OF							
575					MILEAGE #110	45	MIL			6.00	270.00
578					PUMP CHARGE	1	JOB	4475	FT	1500.00	1500.00
402					CENTRALIZER	9	EA.			70.00	630.00
403					CEMENT BASKET	1	EA.			250.00	250.00
405					FORMATION PACKER SAGE	1	EA.			1400.00	1400.00
406					LATCH DOWN PLUG & BAFFLE	1	EA.			250.00	250.00
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. **JOSE REYES**
DATE SIGNED **29 Jun/12** TIME SIGNED **1200** 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 4975.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2 4703.65	
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal 9,678.65	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Hodgeman TAX 7.45%	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				53.24	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	10,211.06
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR **James Ruff** APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 22745

CUSTOMER AMERICAN WARRIOR WELL HOWSMAN 3-9 DATE 29 JUN 12 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	OF			QTY.	UM		
276						FLOCELE	44	lb	2 ⁰⁰	88 ⁰⁰
283						SALT	900	lb	20	180 ⁰⁰
284						CALSEAL	8	SK	35 ⁰⁰	280 ⁰⁰
292						HALAD 322	124	lb	7 ⁷⁵	961 ⁰⁰
290						D-AIR	2	gal	35 ⁰⁰	70 ⁰⁰
325						STANDARD CEMENT EA 2	175	SK	13 ⁰⁰	2362 ⁵⁰
581						SERVICE CHARGE		CUBIC FEET	2 ⁰⁰	350 ⁰⁰
583						RELEASE CHARGE	18318	TOTAL WEIGHT	1 ⁰⁰	412 ¹⁵
							45	LOADED MILES		
							41215	TON MILES		

CONTINUATION TOTAL 4703⁶⁵



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

9-23S-22W Hodgeman

PO Box 399
Garden City, KS 67846

Housman 3-9

Job Ticket: 47609

DST#: 1

ATTN: Harley Sayles

Test Start: 2012.06.28 @ 13:49:09

GENERAL INFORMATION:

Formation: **Osage**

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

Time Tool Opened: 16:19:09

Time Test Ended: 21:23:39

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Leal Cason**

Unit No: **45**

Interval: **4475.00 ft (KB) To 4481.00 ft (KB) (TVD)**

Reference Elevations: **2234.00 ft (KB)**

Total Depth: **4481.00 ft (KB) (TVD)**

2221.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Good**

KB to GR/CF: **13.00 ft**

Serial #: **6798**

Inside

Press@RunDepth: **611.76 psig @ 4476.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.06.28**

End Date:

2012.06.28

Last Calib.: **2012.06.28**

Start Time: **13:49:10**

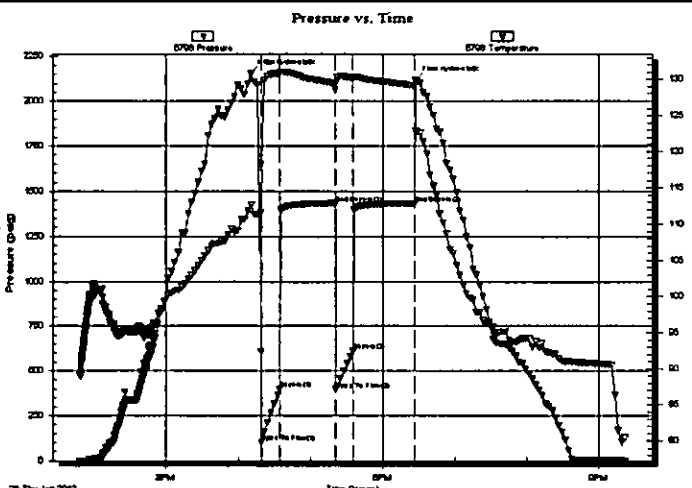
End Time:

21:23:39

Time On Btm: **2012.06.28 @ 16:10:39**

Time Off Btm: **2012.06.28 @ 18:27:09**

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes
IS: Weak Surface Blow Back
FF: Strong Blow, BOB in 3 minutes
FS: Weak Surface Blow Back



PRESSURE SUMMARY

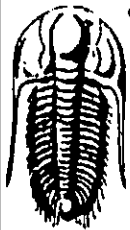
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.48	112.63	Initial Hydro-static
9	100.35	118.22	Open To Flow (1)
24	399.25	130.67	Shut-In(1)
70	1431.92	129.32	End Shut-In(1)
70	396.30	128.48	Open To Flow (2)
85	611.76	130.07	Shut-In(2)
136	1431.46	129.12	End Shut-In(2)
137	2120.11	122.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
311.00	Water	2.66
186.00	OCW 5%O 95%W	2.61
930.00	Oil	13.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City, KS 67846
 ATTN: Harley Sayles

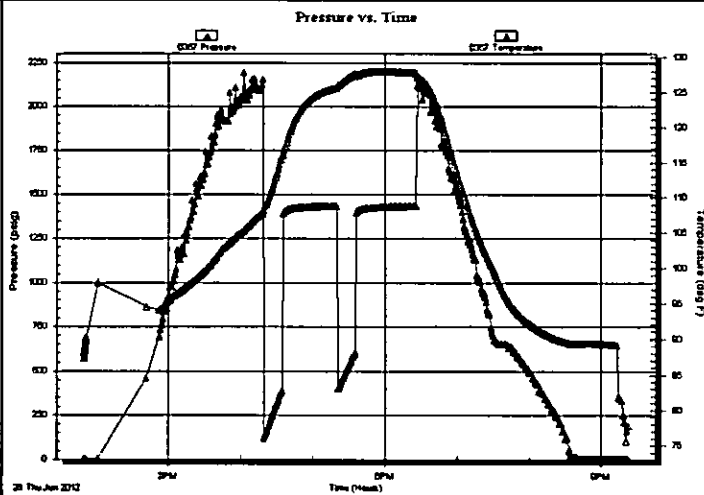
9-23S-22W Hodgeman
Housman 3-9
 Job Ticket: 47609 DST#: 1
 Test Start: 2012.06.28 @ 13:49:09

GENERAL INFORMATION:

Formation: Osage	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Leal Cason
Time Tool Opened: 16:19:09	Unit No: 45
Time Test Ended: 21:23:39	Reference Elevations: 2234.00 ft (KB)
Interval: 4475.00 ft (KB) To 4481.00 ft (KB) (TVD)	2221.00 ft (CF)
Total Depth: 4481.00 ft (KB) (TVD)	KB to GR/CF: 13.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

Serial #: 8367	Outside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 4476.00 ft (KB)	Start Date: 2012.06.28	End Date: 2012.06.28
Start Time: 13:49:10	End Time: 21:23:39	Last Calib.: 2012.06.28
		Time On Btm:
		Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 2 minutes
 IS: Weak Surface Blow Back
 FF: Strong Blow, BOB in 3 minutes
 FS: Weak Surface Blow Back



PRESSURE SUMMARY

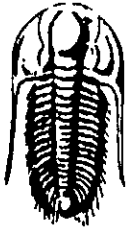
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
311.00	Water	2.66
186.00	OCW 5%O 95%W	2.61
930.00	Oil	13.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City, KS 67846
ATTN: Harley Sayles

9-23S-22W Hodgeman
Housman 3-9
Job Ticket: 47609 DST#: 1
Test Start: 2012.06.28 @ 13:49:09

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 25.8 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 65000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3600.00 ppm		
Filter Cake: 0.02 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
311.00	Water	2.659
186.00	OCW 5%O 95%W	2.609
930.00	Oil	13.045

Total Length: 1427.00 ft Total Volume: 18.313 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Gravity was 29 @ 92 degrees
RW was .09 @ 90 degrees

