



1155377

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 ☐ Yes ☐ No  
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No  
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample  
Name Top Datum

CASING RECORD ☐ New ☐ 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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Schugart 2-26 Unit
Doc ID	1155377

#### Tops

Name	Top	Datum
Anhydrite	1478	723
Heebner	3655	-1454
Lansing	3702	-1501
Base Kansas City	4027	-1826
Pawnee	4116	-1915
Ft. Scott	4186	-1985
Cherokee	4207	-2006
Mississippian	4273	-2072
TD	4290	-2089

# **Geological Report**

American Warrior, Inc.  
**Schugart #2-26 Unit**  
1400' FNL & 150' FWL  
Sec. 26 T18s R22w  
Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data:	American Warrior, Inc. Schugart #2-26 Unit 1400' FNL & 150' FWL Sec. 26 T18s R22w Ness County, Kansas API # 15-135-25575-0000
Drilling Contractor:	Petromark Drilling, LLc. Rig #1
Geologist:	Jason T Alm
Spud Date:	April 19, 2013
Completion Date:	April 26, 2013
Elevation:	2195' Ground Level 2201' Kelly Bushing
Directions:	Bazine KS, 2 ½ mi. West on Hwy 96, ¾ mi. North on BB Rd. East into location.
Casing:	222' 8 5/8" surface casing
Samples:	10' wet and dry, 3900' to RTD
Drilling Time:	3600' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Jim Svaty"
Problems:	An error was made in the pipe tally at 3509'.
Remarks:	All tops reported after the error have a 31 ft. correction.

## Formation Tops

### Formation

Anhydrite	1478', +723
Base	1510', +691
Heebner	3655', -1454
Lansing	3702', -1501
BKc	4027', -1826
Pawnee	4116', -1915
Fort Scott	4186', -1985
Cherokee	4207', -2006
Mississippian	4273', -2072
RTD	4290', -2089

American Warrior, Inc.

Schugart #2-26 Unit

Sec. 26 T18s R22w

1400' FNL & 150' FWL

## Sample Zone Descriptions

### Mississippian Osage (4273', -2072): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline porosity, very heavy slightly triptolic chert, mostly fresh with scattered fair to good vuggy porosity, light spotted oil stain in porosity, slight show of free oil, fair odor, good scattered yellow fluorescents, 20-23 units hotwire.

## Drill Stem Tests

Trilobite Testing, Inc.

“Jim Svaty”

### DST #1

#### Mississippian Osage

Interval (4233' – 4290') Anchor Length 57'

IHP	– 2167 #	
IFP	– 30" – B.O.B. 19 min.	25-138 #
ISI	– 30" – Dead	1304 #
FFP	– 30" – B.O.B. 21 ½ min.	136-200 #
FSI	– 30" – Dead	1297 #
FHP	– 2063 #	
BHT	– 116°F	

Recovery:	95' OCM	5% Oil
	63' OWCM	15% Oil, 15% Water
	126' OWCM	2% Oil, 43% Water
	120' MCW	85% Water

## Structural Comparison

<b>Formation</b>	<b>American Warrior, Inc.</b>		<b>American Warrior, Inc.</b>		<b>American Warrior, Inc.</b>	
	<b>Schugart #2-26 Unit</b>		<b>Schugart #1-26</b>		<b>Schugart #1-27</b>	
	<b>Sec. 26 T18s R22w</b>		<b>Sec. 26 T18s R22w</b>		<b>Sec. 27 T18s R22w</b>	
	<b>1400' FNL &amp; 150' FWL</b>		<b>2090' FNL &amp; 1400' FWL</b>		<b>2290' FNL &amp; 1830' FEL</b>	
Anhydrite	<b>1478', +723</b>		1442', +729	<b>(-6)</b>	1479', +721	<b>(+2)</b>
Base	<b>1510', +691</b>		1475', +696	<b>(-5)</b>	1512', +688	<b>(+3)</b>
Heebner	<b>3655', -1454</b>		3624', -1453	<b>(-1)</b>	3651', -1451	<b>(-3)</b>
Lansing	<b>3702', -1501</b>		3678', -1497	<b>(-4)</b>	3696', -1496	<b>(-5)</b>
BKc	<b>4027', -1826</b>		3992', -1821	<b>(-5)</b>	4028', -1828	<b>(-2)</b>
Pawnee	<b>4116', -1915</b>		4080', -1909	<b>(-6)</b>	4112', -1912	<b>(-3)</b>
Fort Scott	<b>4186', -1985</b>		4155', -1984	<b>(-1)</b>	4186', -1986	<b>(+1)</b>
Cherokee	<b>4207', -2006</b>		4176', -2005	<b>(-1)</b>	4207', -2007	<b>(+1)</b>
Mississippian	<b>4273', -2072</b>		4251', -2080	<b>(+8)</b>	4278', -2078	<b>(+6)</b>

## Summary

The location for the Schugart #2-26 Unit was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the Schugart #2-26 Unit well.

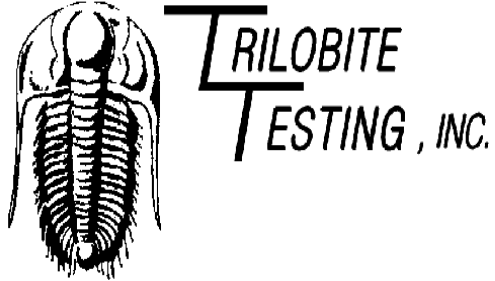
Respectfully Submitted,

Jason T Alm  
Hard Rock Consulting, Inc.









## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City, KS 67646

ATTN: Jason Alm

### **Schugart #2-26 Unit**

### **26 18s 22w Ness,KS**

Start Date: 2013.04.26 @ 07:47:00

End Date: 2013.04.26 @ 14:26:00

Job Ticket #: 53613                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.29 @ 13:29:05



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399  
Garden City, KS 67646

ATTN: Jason Alm

**26 18s 22w Ness, KS**

**Schugart #2-26 Unit**

Job Ticket: 53613

**DST#: 1**

Test Start: 2013.04.26 @ 07:47:00

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:00

Time Test Ended: 14:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

**Interval: 4202.00 ft (KB) To 4259.00 ft (KB) (TVD)**

Total Depth: 4259.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2201.00 ft (KB)

2195.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 6752 Inside**

Press @ Run Depth: 200.09 psig @ 4223.00 ft (KB)

Start Date: 2013.04.26

End Date:

2013.04.26

Start Time: 07:47:01

End Time:

14:25:50

Capacity: 8000.00 psig

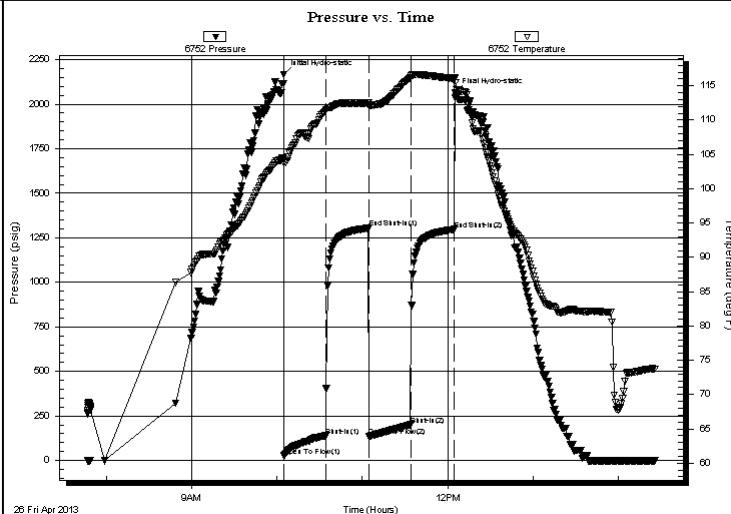
Last Calib.: 2013.04.26

Time On Btm: 2013.04.26 @ 10:04:50

Time Off Btm: 2013.04.26 @ 12:05:10

TEST COMMENT: 30-IFP- BOB in 19 min.  
30-ISIP- No Blow  
30-FFP- BOB in 21 1/2 min.  
30-FSIP- No Blow

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.43	104.37	Initial Hydro-static
1	25.52	103.72	Open To Flow (1)
30	138.14	111.36	Shut-In (1)
60	1304.06	112.48	End Shut-In (1)
60	136.36	112.24	Open To Flow (2)
90	200.09	116.15	Shut-In (2)
120	1297.04	116.06	End Shut-In (2)
121	2063.10	116.11	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 15% m 85% w	0.59
126.00	OWCM 2% o 43% w 55% m	1.77
63.00	OWCM 15% o 15% w 70% m	0.88
95.00	OCM 5% o 95% m	1.33

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399  
Garden City, KS 67646

ATTN: Jason Alm

**26 18s 22w Ness, KS**

**Schugart #2-26 Unit**

Job Ticket: 53613

**DST#: 1**

Test Start: 2013.04.26 @ 07:47:00

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:00

Time Test Ended: 14:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

**Interval: 4202.00 ft (KB) To 4259.00 ft (KB) (TVD)**

Total Depth: 4259.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2201.00 ft (KB)

2195.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 8322 Outside**

Press @ Run Depth: psig @ 4223.00 ft (KB)

Start Date: 2013.04.26

End Date:

2013.04.26

Start Time: 07:47:01

End Time:

14:26:00

Capacity: 8000.00 psig

Last Calib.:

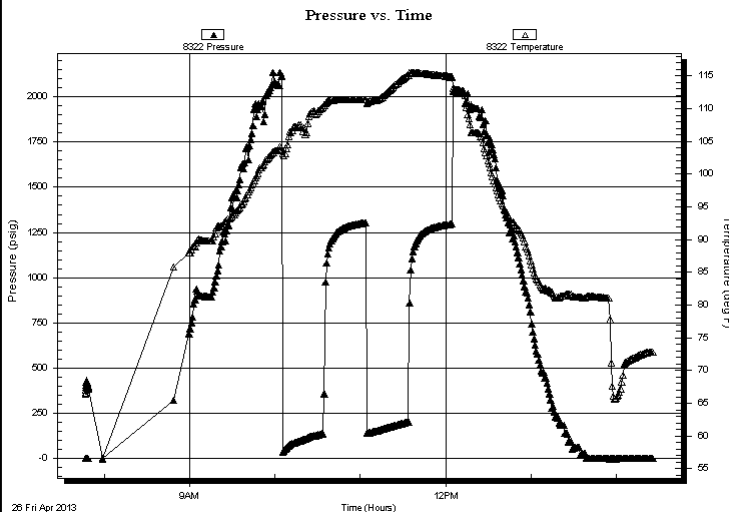
2013.04.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 19 min.  
30-ISIP- No Blow  
30-FFP- BOB in 21 1/2 min.  
30-FSIP- No Blow

### PRESSURE SUMMARY



Time  
(Min.)

Pressure  
(psig)

Temp  
(deg F)

Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 15% <sub>m</sub> 85% <sub>w</sub>	0.59
126.00	OWCM 2% <sub>o</sub> 43% <sub>w</sub> 55% <sub>m</sub>	1.77
63.00	OWCM 15% <sub>o</sub> 15% <sub>w</sub> 70% <sub>m</sub>	0.88
95.00	OCM 5% <sub>o</sub> 95% <sub>m</sub>	1.33

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**26 18s 22w Ness, KS**

PO Box 399  
Garden City, KS 67646

**Schugart #2-26 Unit**

Job Ticket: 53613

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.04.26 @ 07:47:00

### Tool Information

Drill Pipe:	Length:	4064.00 ft	Diameter:	3.80 inches	Volume:	57.01 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	57.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	64000.00 lb
Depth to Top Packer:		4202.00 ft					Final	66000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		57.00 ft						
Tool Length:		84.00 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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Shut In Tool	5.00			4180.00	
Hydraulic tool	5.00			4185.00	
Jars	5.00			4190.00	
Safety Joint	2.00			4192.00	
Packer	5.00			4197.00	27.00 Bottom Of Top Packer
Packer	5.00			4202.00	
Stubb	1.00			4203.00	
Perforations	20.00			4223.00	
Recorder	0.00	6752	Inside	4223.00	
Recorder	0.00	8322	Outside	4223.00	
Change Over Sub	1.00			4224.00	
Blank Spacing	31.00			4255.00	
Change Over Sub	1.00			4256.00	
Bullnose	3.00			4259.00	57.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

American Warrior Inc.

**26 18s 22w Ness, KS**

PO Box 399  
Garden City, KS 67646

**Schugart #2-26 Unit**

Job Ticket: 53613

**DST#: 1**

ATTN: Jason Alm

Test Start: 2013.04.26 @ 07:47:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.58 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 28000 ppm

ft

bbl

psig

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCW 15%m 85%w	0.590
126.00	OWCM 2%o 43%w 55%m	1.767
63.00	OWCM 15%o 15%w 70%m	0.884
95.00	OCM 5%o 95%m	1.333

Total Length: 404.00 ft

Total Volume: 4.574 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .280 @ 70

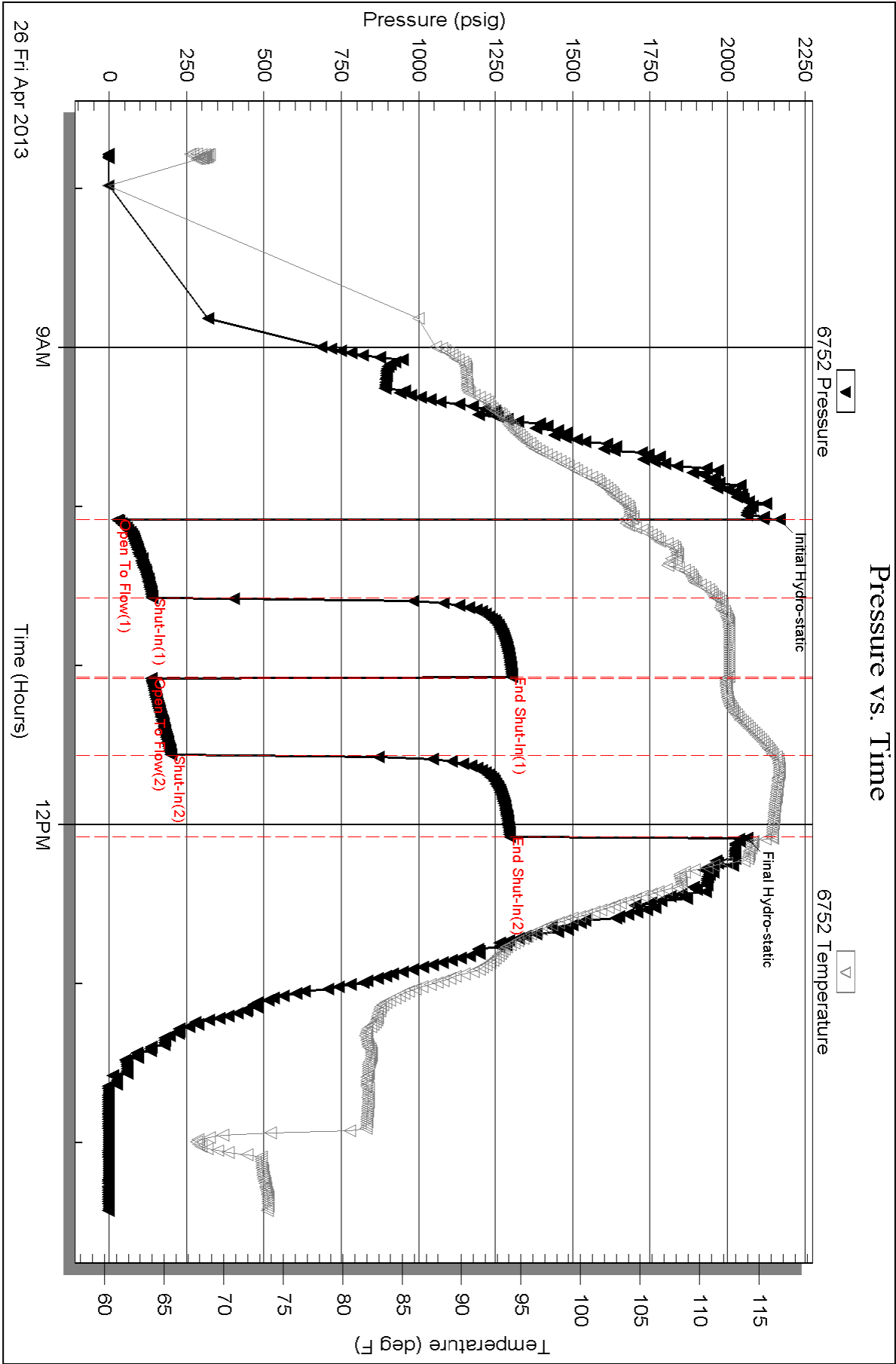
Serial #: 6752

Inside

American Warrior Inc.

Schugart #2-26 Unit

DST Test Number: 1

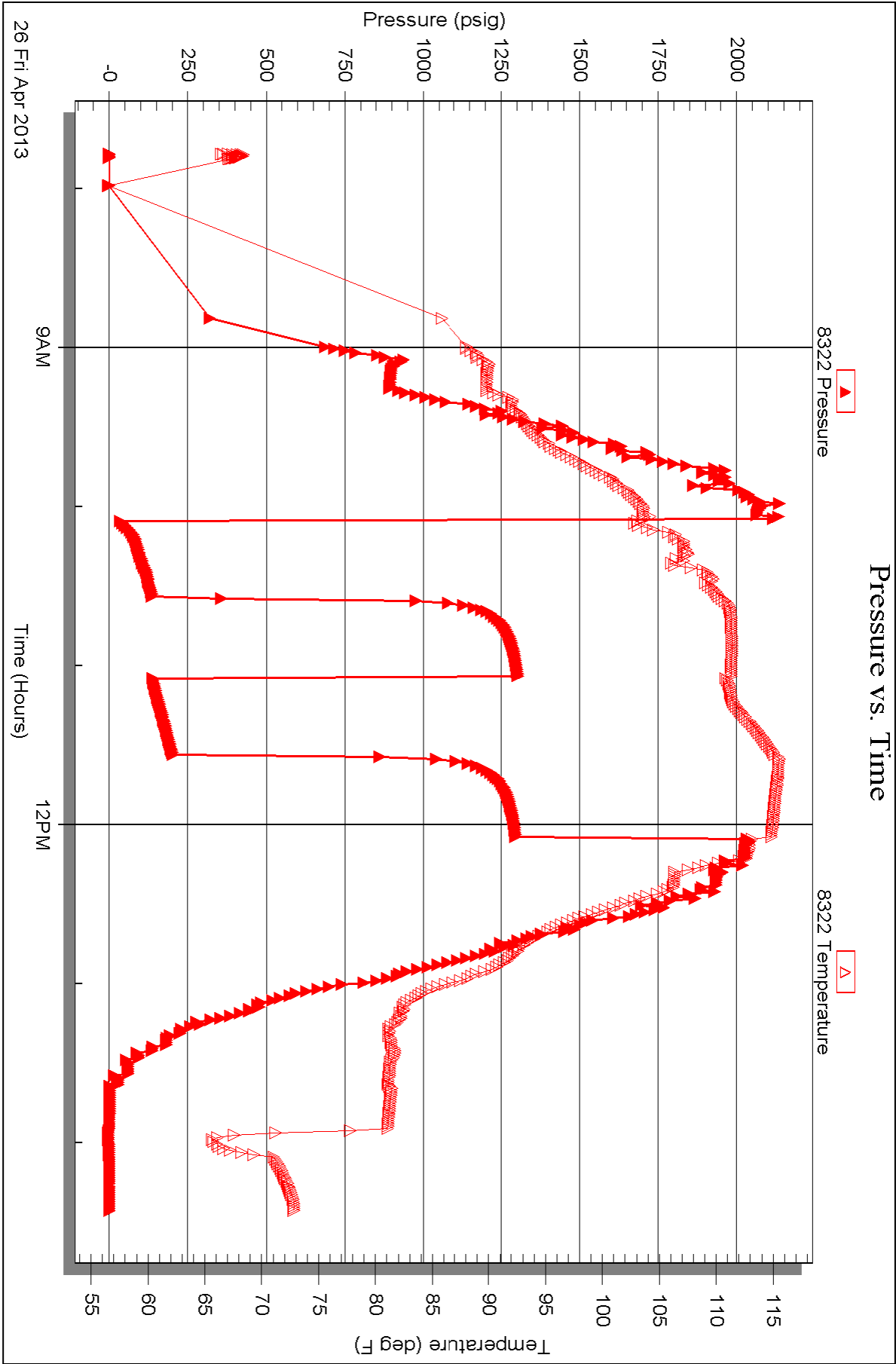


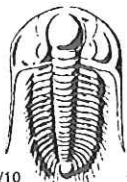
Serial #: 8322

Outside American Warrior Inc.

Schugart #2-26 Unit

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **53613**

Well Name & No. Schugart Unit # 2-26 Test No. 1 Date 4-26-13  
 Company American Warrior, Inc. Elevation 2201 KB 2195 GL  
 Address 3118 Cummings Rd. Box 399 Garden City KS 67846  
 Co. Rep / Geo. Jason Alm Rig Petromark Rig #1  
 Location: Sec. 26 Twp. 18 S Rge. 22 W Co. Ness State KS

Interval Tested 4202-4259 Zone Tested Mississippian  
 Anchor Length 57 Drill Pipe Run 4064 Mud Wt. 9.3  
 Top Packer Depth 4197 Drill Collars Run 120 Vis 48  
 Bottom Packer Depth 4202 Wt. Pipe Run 0 WL 7.6  
 Total Depth 4259 Chlorides 7700 ppm System LCM 0

Blow Description IFP- BOBIN 19min  
ISIP- No Blow  
FFP- BOBIN 21 1/2 min.  
FSIP No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>mcw</u>		<u>85</u>	<u>15</u>	
<u>126</u>	<u>OWCM</u>	<u>2</u>	<u>43</u>	<u>55</u>	
<u>63</u>	<u>OWCM</u>	<u>15</u>	<u>15</u>	<u>70</u>	
<u>95</u>	<u>OCM</u>	<u>5</u>		<u>95</u>	

Rec Total 404 BHT 116 Gravity — API RW 280 @ 70 °F Chlorides 28000 ppm

(A) Initial Hydrostatic 2167  
 (B) First Initial Flow 25  
 (C) First Final Flow 138  
 (D) Initial Shut-In 1304  
 (E) Second Initial Flow 136  
 (F) Second Final Flow 200  
 (G) Final Shut-In 1297  
 (H) Final Hydrostatic 2063

☒ Test 1250  
☒ Jars 250  
☒ Safety Joint 75  
☐ Circ Sub  
☐ Hourly Standby  
☒ Mileage 108 RT 167.40

T-On Location 05:15  
 T-Started 07:47  
 T-Open 10:05  
 T-Pulled 12:05  
 T-Out 14:26

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

☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☐ Accessibility

Comments  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
 Sub Total 0  
 Total 1742.40  
 MP/DST Disc't

Sub Total 1742.40

Approved By

Our Representative

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# ALLIED OIL & GAS SERVICES, LLC 060392

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

West Bend, TX

DATE <u>4-20-13</u>	SEC <u>26</u>	TWP. <u>18</u>	RANGE <u>22</u>	CALLED OUT <u>7:00 PM</u>	ON LOCATION <u>9:00 PM</u>	JOB START <u>10:00 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>Schugart</u>	WELL # <u>2-26</u>	LOCATION <u>Bayline 2 well to RAB</u>			COUNTY <u>Ness</u>	STATE <u>Ka</u>	
OLD OR <u>NEW</u> (Circle one)			<u>3/4 North East Side</u>				

CONTRACTOR Patromah #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 226.24'

CASING SIZE 8 5/8" DEPTH 221.95'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13.1 bbls

## EQUIPMENT

PUMP TRUCK CEMENTER Tom Nishan

# 606 HELPER Kevin Eddy

BULK TRUCK

# 599 DRIVER Don Cooper

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

## REMARKS:

Ran 221.95' of 8 5/8" Csg. Annular  
Circulation. Mixed 150 lbs Class A  
390cc 290 Net. Displaced with  
Pack H2O.

Cement did not circulate

CHARGE TO: American Warrior

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 V. Garrett 12 Urbanek

SIGNATURE [Signature]

OWNER Same

CEMENT

AMOUNT ORDERED 150 lbs Class A

390cc 290 Net

COMMON	_____	@	_____
POZMIX	_____	@	_____
GEL	_____	@	_____
CHLORIDE	_____	@	_____
ASC	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
	_____	@	_____
HANDLING	_____	@	_____
MILEAGE	_____	@	_____

TOTAL \_\_\_\_\_

## SERVICE

DEPTH OF JOB 221.95'

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

## PLUG & FLOAT EQUIPMENT

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

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

# ALLIED OIL & GAS SERVICES, LLC 059096

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend

DATE <u>4-26-13</u>	SEC. <u>27</u>	TWP. <u>18S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>Schugart</u> WELL # <u>2-27</u>		LOCATION <u>Bazine 2 west T &amp; B</u>			COUNTY <u>NEOSHO</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>North East - T1</u>				

CONTRACTOR Peterson Big 1

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 5259

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

PIPE SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 1590

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 10 BBLs water 12 mud

## EQUIPMENT

PUMP TRUCK CEMENTER Wayne Davis

# 398 HELPER SOULISA

BULK TRUCK

# 609 DRIVER Martin

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

## REMARKS:

1st Plug 1520 Run 3 BBLs Ahead  
Mix 50 SX, Displace 5 water  
12 BBLs mud  
2nd Plug 690 Mix 80 SX  
3rd Plug 240 Mix 50 SX  
4th Plug 60 Mix 20 SX  
Reathole 30 SX

CHARGE TO: American

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CEMENT

AMOUNT ORDERED 230 SX 60/40/48  
+ 7/8 flo seal

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
ASC	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING	@	_____
MILEAGE	_____	_____

TOTAL \_\_\_\_\_

## SERVICE

DEPTH OF JOB 1520

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE @ \_\_\_\_\_

MANIFOLD @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

## PLUG & FLOAT EQUIPMENT

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

TOTAL \_\_\_\_\_

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.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Darren L. Hinerling

SIGNATURE Darren L. Hinerling

## CEMENTING LOG

STAGE NO.

Date \_\_\_\_\_ District Wagon Ticket No. 1111  
 Company Wagon Rig 1111  
 Lease Wagon Well No. 2-26  
 County Wagon State Wagon  
 Location 26-14-22 Field Wagon  
 Casing Data: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐  
 Surface ☐ Intermediate ☐ Production ☐ Liner ☐  
 Size 4 1/2 Type 13 Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top 140 Bottom 5259  
 Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

### CAPACITY FACTORS:

Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENT DATA: Spacer Type: 1 1/2 inch  
 Amt. 3 Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 8.3 PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60/40+4%  
 Amt. 230 Skys Yield 1.40 ft<sup>3</sup>/sk Density 14.5 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls

Pump Trucks Used 398 500  
 Bulk Equip. 6091 Wagon

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Day Tank 50% / Hold 50% Meeting
						Spot Time 10:00
			3	3		3 BBLs water - Ahead
			12.46	12.46		1 1/2 plug 1520 mix 50 SX
			32.46	17		Displace 5 BBLs water - 12 BBLs
						2nd plug 690
			34.46	2		Run 2 BBLs water - Ahead
			54.4	19.94		mix 80 SX 60/40 1/4% + 1/2
			58.4	4		Displace 4 BBLs
						3rd plug 240
			70.46	12.46		mix 50 SX 60/40 + 1/2
			71.11	.25		Displace .25 BBLs
			76.09	4.98		4th plug 6000 mix 20 SX
			83.57	7.48		Rate hole - 30 SX