



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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'Brate Gates 1-9
Doc ID	1136922

Tops

Name	Top	Datum
Heebner	4056'	-1197
Lansing	4115'	-1256
Stark	4437'	-1578
B/KC	4577'	-1718
Marmaton	4605'	-1746
pawnee	4679'	-1820
Ft.Scott	4708'	-1849
Morrow	4863'	-2004

# ALLIED OIL & GAS SERVICES, LLC KB 053313

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberals KS

DATE <u>12-7-12</u>	SEC <u>9</u>	TWP. <u>24</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30</u>	JOB FINISH <u>12:30</u>
LEASE <u>O'Brate Gnt</u>	WELL # <u>1-9</u>	LOCATION <u>1/2c East Garden City KS</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		1-01 <span style="float: right;">7,45</span>					

CONTRACTOR Duke #9  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 TD 208  
 CASING SIZE 8 5/8 DEPTH 203  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1,500 MINIMUM  
 MEAS. LINE SHOE JOINT 36.37  
 CEMENT LEFT IN CSO. 2.26 barrels  
 PERFS.  
 DISPLACEMENT 15.3 barrels

OWNER

CEMENT	AMOUNT ORDERED <u>180ea</u>	<u>3% occ</u>	<u>2% gel</u>
	<u>14 fl</u>		
COMMON	<u>180</u>	@ <u>17.90</u>	<u>3222.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@ <u>64.00</u>	<u>384.00</u>
ASC		@	
<u>Flo seal</u>	<u>45</u>	@ <u>2.97</u>	<u>133.65</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>169</u>	@ <u>2.48</u>	<u>468.72</u>
MILEAGE	<u>444</u>	@ <u>2.60</u>	<u>1154.72</u>
<u>Overage</u>			
TOTAL			<u>5433.29</u>

EQUIPMENT

PUMP TRUCK CEMENTER Lenny Baeza  
 # 530-404 HELPER Vicent Torres / Cesar Pavia  
 BULK TRUCK  
 # 472-467 DRIVER Anje Garcia  
 BULK TRUCK  
 # DRIVER

REMARKS:  
Thank You  
Cement to Surface  
10 barrels

CHARGE TO: American Warrior  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	<u>0-500</u>		
PUMP TRUCK CHARGE	<u>1,512.25</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>50</u>	@ <u>7.70</u>	<u>385</u>
MANIFOLD		@	
<u>Light Vehicle</u>	<u>50</u>	@ <u>4.40</u>	<u>220.00</u>
		@	
TOTAL			<u>2117.25</u>

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) 283.83  
 TOTAL CHARGES 7550.54  
 DISCOUNT 1510.11 IF PAID IN 30 DAYS

PRINTED NAME Enrigio Rojas  
 SIGNATURE Enrigio Rojas

Net = 6040.43



# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 12-12-17 District C. Bena Ticket No. 27005  
 Company American Well Rig 22259  
 Lease Chattanooga 1-9 Well No. 2-9  
 County Greene State KS  
 Location CC 15-F-7-11 Field \_\_\_\_\_

CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 1/2 Type 3 1/2 Weight 211 Collar \_\_\_\_\_

Casing Depths: Top (0) Bottom 2831

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 10636 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. 01173 Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0406 Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. 01110 Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From 2711 to 2712 ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. 100 Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time 11:15 hrs. Type 60/110  
11/1/16 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_  
 WATER: Lead 6-7 gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 5  
 Bulk Equip. \_\_\_\_\_

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 \_\_\_\_\_

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

CEMENTER M. Hays

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
7:30						
7:45						on loc - SAFETY MEETING
10:15			12.6		1	Mix 50 SK Plug @ 1980'
11:30			20.7		1	Mix 80 SK Plug @ 1080'
12:30			10.1		1	Mix 110 SK Plug @ 540'
01:00	12-13-17		12.6		1	Mix 50 SK Plug @ 300'
2:05			5		2	Mix 70 SK Plug @ 60'
2:15			8		2	Mix 30 SK Plug @ 150'
2:30			5		2	Mix 20 SK Plug @ 100'
						RELEASE!



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Bbox 399  
Garden City, KS 67846

ATTN: Kevin Timson

**O'Brate Gates #1-9**

**9-24s-30w Gray,KS**

Start Date: 2012.12.13 @ 08:31:00

End Date: 2012.12.13 @ 14:15:15

Job Ticket #: 49895                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.12.17 @ 13:34:35



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc  
PO Bbox 399  
Garden City, KS 67846  
ATTN: Kevin Timson

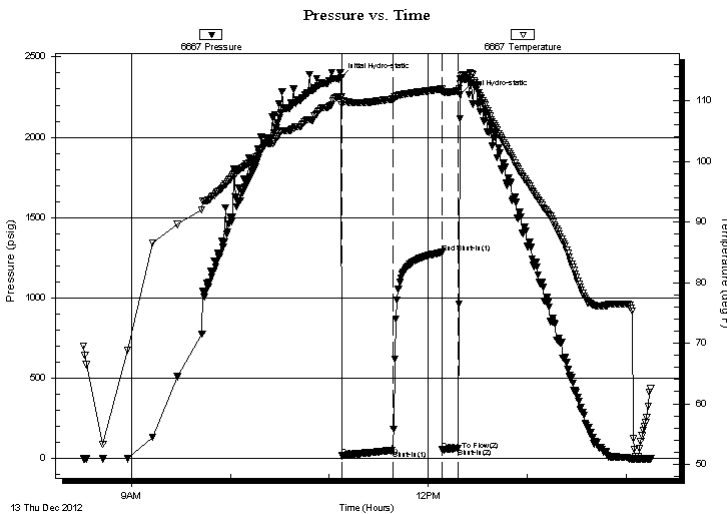
**9-24s-30w Gray,KS**  
**O'Brate Gates #1-9**  
Job Ticket: 49895 **DST#: 1**  
Test Start: 2012.12.13 @ 08:31:00

## GENERAL INFORMATION:

Formation: **Morrow**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:07:30  
Time Test Ended: 14:15:15  
Interval: **4827.00 ft (KB) To 4869.00 ft (KB) (TVD)**  
Total Depth: 4869.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2859.00 ft (KB)  
2846.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 6667 Inside**  
Press @ Run Depth: 53.21 psig @ 4828.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.12.13 End Date: 2012.12.13 Last Calib.: 2012.12.13  
Start Time: 08:31:00 End Time: 14:15:15 Time On Btm: 2012.12.13 @ 11:07:15  
Time Off Btm: 2012.12.13 @ 12:19:15

**TEST COMMENT:** Weak blow died in 6 min.  
No return  
No blow, pull tool after 10 min.  
(nipple on floor manifold w as cracked didnt notice it till w e started out of holer)



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2373.52	110.70	Initial Hydro-static
1	18.59	109.38	Open To Flow (1)
32	53.21	110.26	Shut-In(1)
61	1283.02	111.94	End Shut-In(1)
62	55.84	111.57	Open To Flow (2)
71	66.68	111.64	Shut-In(2)
72	2267.17	112.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	s w c m 15%w 85% m	0.30

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc  
PO Bbox 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**9-24s-30w Gray,KS**  
**O'Brate Gates #1-9**  
Job Ticket: 49895      **DST#: 1**  
Test Start: 2012.12.13 @ 08:31:00

**Tool Information**

Drill Pipe:	Length: 4645.00 ft	Diameter: 3.80 inches	Volume: 65.16 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:	25000.00 lb
Drill Collar:	Length: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose:	98000.00 lb
			<u>Total Volume: 66.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4827.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	69.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4801.00	
Shut In Tool	5.00			4806.00	
Hydraulic tool	5.00			4811.00	
Jars	5.00			4816.00	
Safety Joint	2.00			4818.00	
Packer	5.00			4823.00	27.00      Bottom Of Top Packer
Packer	4.00			4827.00	
Stubb	1.00			4828.00	
Recorder	0.00	6667	Inside	4828.00	
Recorder	0.00	8368	Outside	4828.00	
Perforations	3.00			4831.00	
Change Over Sub	1.00			4832.00	
Drill Pipe	31.00			4863.00	
Change Over Sub	1.00			4864.00	
Bullnose	5.00			4869.00	42.00      Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Bbox 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**9-24s-30w Gray,KS**  
**O'Brate Gates #1-9**  
Job Ticket: 49895      **DST#: 1**  
Test Start: 2012.12.13 @ 08:31:00

## Mud and Cushion Information

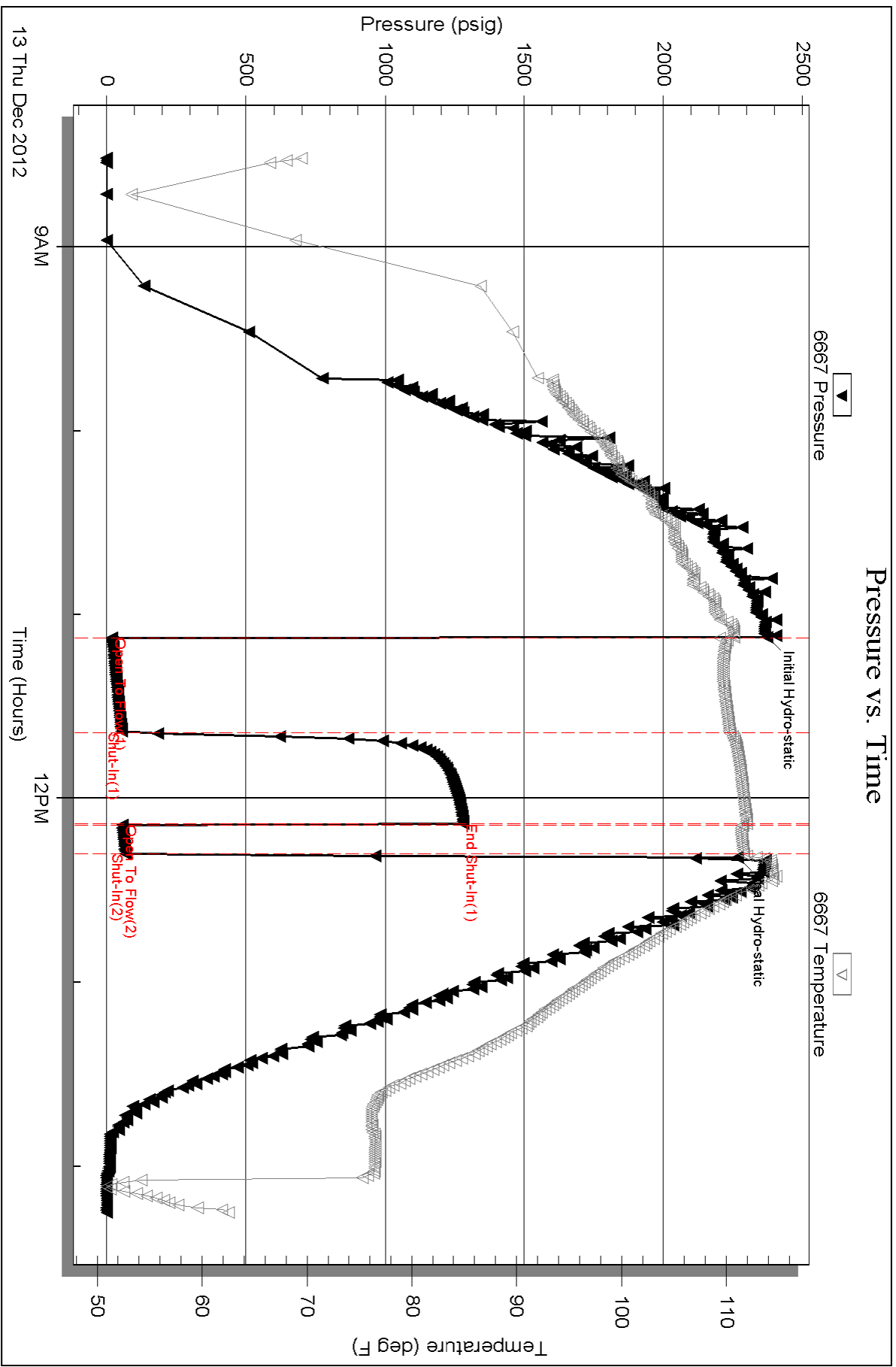
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 27000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s w c m 15%w 85%m	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw .351 @ 50\*f = 27,000 chlor

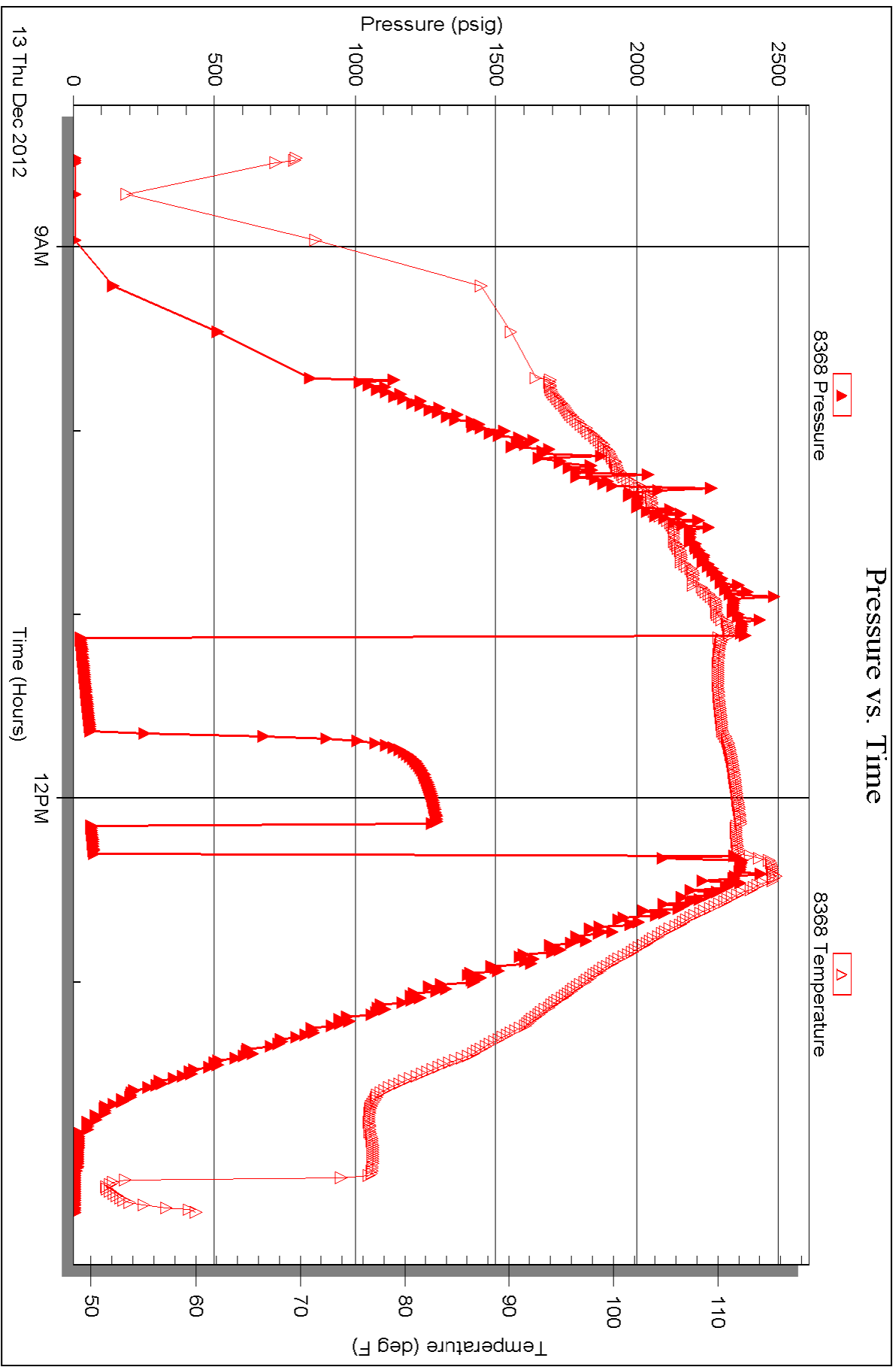


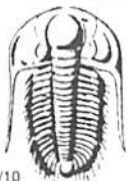
Serial #: 8368

Outside American Warrior Inc

OBrate Gates #1-9

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 49895

4/10

Well Name & No. O'Brate - Gates #1-9 Test No. #1 Date 12/13/12  
 Company American Warrior Elevation 2859 KB 2840 GL  
 Address 3118 Cumming R.D. P.O. Box 399 Garden City, KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #9  
 Location: Sec. 9 Twp. 24S Rge. 30W Co. Gray State KS

Interval Tested 4827 4869 Zone Tested Morrow  
 Anchor Length 42 Drill Pipe Run 4645' Mud Wt. 9.4  
 Top Packer Depth 4822 Drill Collars Run 188' Vis 50  
 Bottom Packer Depth 4827 Wt. Pipe Run --- WL 8.8  
 Total Depth 4869 Chlorides 3200 ppm System LCM #2  
 Blow Description Weak blow, died in 6 min  
4/10 return  
No blow, full tool after 10 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>SWCM</u>		<u>15</u>	<u>85</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60' BHT 112° Gravity --- API RW 351 @ 50° F Chlorides 27,000 ppm

(A) Initial Hydrostatic <u>2373</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>08105</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>08:30</u>
(C) First Final Flow <u>53</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:07</u>
(D) Initial Shut-In <u>1283</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:17</u>
(E) Second Initial Flow <u>55</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:30</u>
(F) Second Final Flow <u>66</u>	<input checked="" type="checkbox"/> Mileage <u>105 RT</u> 162.75	Comments _____
(G) Final Shut-In <u>---</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2267</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>10</u>	<input type="checkbox"/> Day Standby	Total <u>1737.75</u>
Final Shut-In <u>---</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1737.75</u>	

Approved By \_\_\_\_\_ Our Representative 

Trilobite Testing Inc. shall not be liable for damaged of 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.