



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **O'Brate-Finney #1 5**

### **5-23-32 Finney,KS**

Start Date: 2014.12.05 @ 06:53:15

End Date: 2014.12.05 @ 12:40:00

Job Ticket #: 58552                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.10 @ 15:38:43



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Kevin Timson

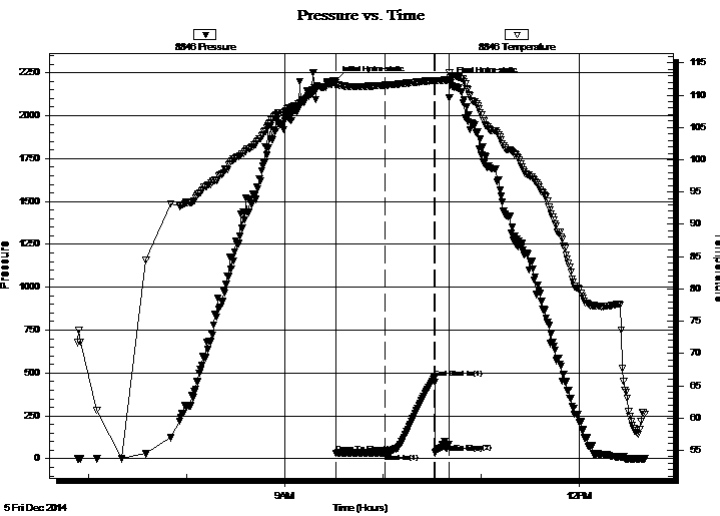
**5-23-32 Finney,KS**  
**O'Brate-Finney #1 5**  
 Job Ticket: 58552 **DST#: 1**  
 Test Start: 2014.12.05 @ 06:53:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:31:15  
 Time Test Ended: 12:40:00  
 Interval: **4390.00 ft (KB) To 4442.00 ft (KB) (TVD)**  
 Total Depth: 4442.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2860.00 ft (KB)  
 2847.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: 34.47 psig @ 4394.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.05 End Date: 2014.12.05 Last Calib.: 2014.12.05  
 Start Time: 06:53:15 End Time: 12:40:00 Time On Btm: 2014.12.05 @ 09:31:00  
 Time Off Btm: 2014.12.05 @ 10:41:00

**TEST COMMENT:** IF: Built to weak surface blow that died in 2 min.  
 IS: No return blow  
 FF: No blow  
 FS: Pulled test



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.32	111.96	Initial Hydro-static
1	33.70	111.53	Open To Flow (1)
31	34.47	111.54	Shut-In(1)
61	472.44	112.29	End Shut-In(1)
61	35.53	112.17	Open To Flow (2)
70	84.94	112.38	Shut-In(2)
70	2199.74	112.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.03

## Gas Rates

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



# DRILL STEM TEST REPORT

American Warrior Inc.

**5-23-32 Finney,KS**

PO Box 399  
Garden City KS 67846

**O'Brate-Finney #1 5**

Job Ticket: 58552 **DST#: 1**

ATTN: Kevin Timson

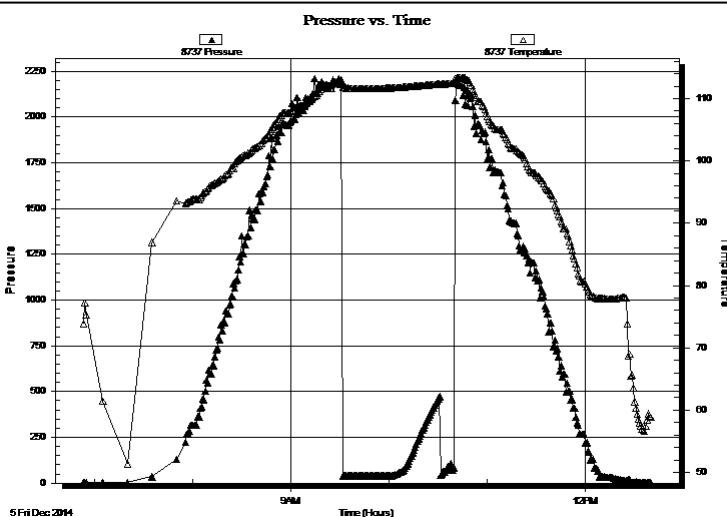
Test Start: 2014.12.05 @ 06:53:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:31:15  
 Time Test Ended: 12:40:00  
**Interval: 4390.00 ft (KB) To 4442.00 ft (KB) (TVD)**  
 Total Depth: 4442.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2860.00 ft (KB)  
 2847.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8737 Outside**  
 Press@RunDepth: psig @ 4394.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.05 End Date: 2014.12.05 Last Calib.: 2014.12.05  
 Start Time: 06:53:15 End Time: 12:39:45 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Built to weak surface blow that died in 2 min.  
 IS: No return blow  
 FF: No blow  
 FS: Pulled test



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**5-23-32 Finney,KS**

PO Box 399  
Garden City KS 67846

**O'Brate-Finney #1 5**

Job Ticket: 58552

**DST#: 1**

ATTN: Kevin Timson

Test Start: 2014.12.05 @ 06:53:15

## Tool Information

Drill Pipe:	Length: 4387.00 ft	Diameter: 3.80 inches	Volume: 61.54 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4390.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	80.00 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			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	3.00			4381.00	
Packer	5.00			4386.00	28.00 Bottom Of Top Packer
Packer	4.00			4390.00	
Stubb	1.00			4391.00	
Perforations	3.00			4394.00	
Recorder	0.00	8846	Inside	4394.00	
Recorder	0.00	8737	Outside	4394.00	
Change Over Sub	1.00			4395.00	
Blank Spacing	31.00			4426.00	
Change Over Sub	1.00			4427.00	
Perforations	10.00			4437.00	
Bullnose	5.00			4442.00	52.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>80.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**5-23-32 Finney,KS**  
**O'Brate-Finney #1 5**  
Job Ticket: 58552      **DST#: 1**  
Test Start: 2014.12.05 @ 06:53:15

## 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:	0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2250.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% m	0.028

Total Length: 2.00 ft      Total Volume: 0.028 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

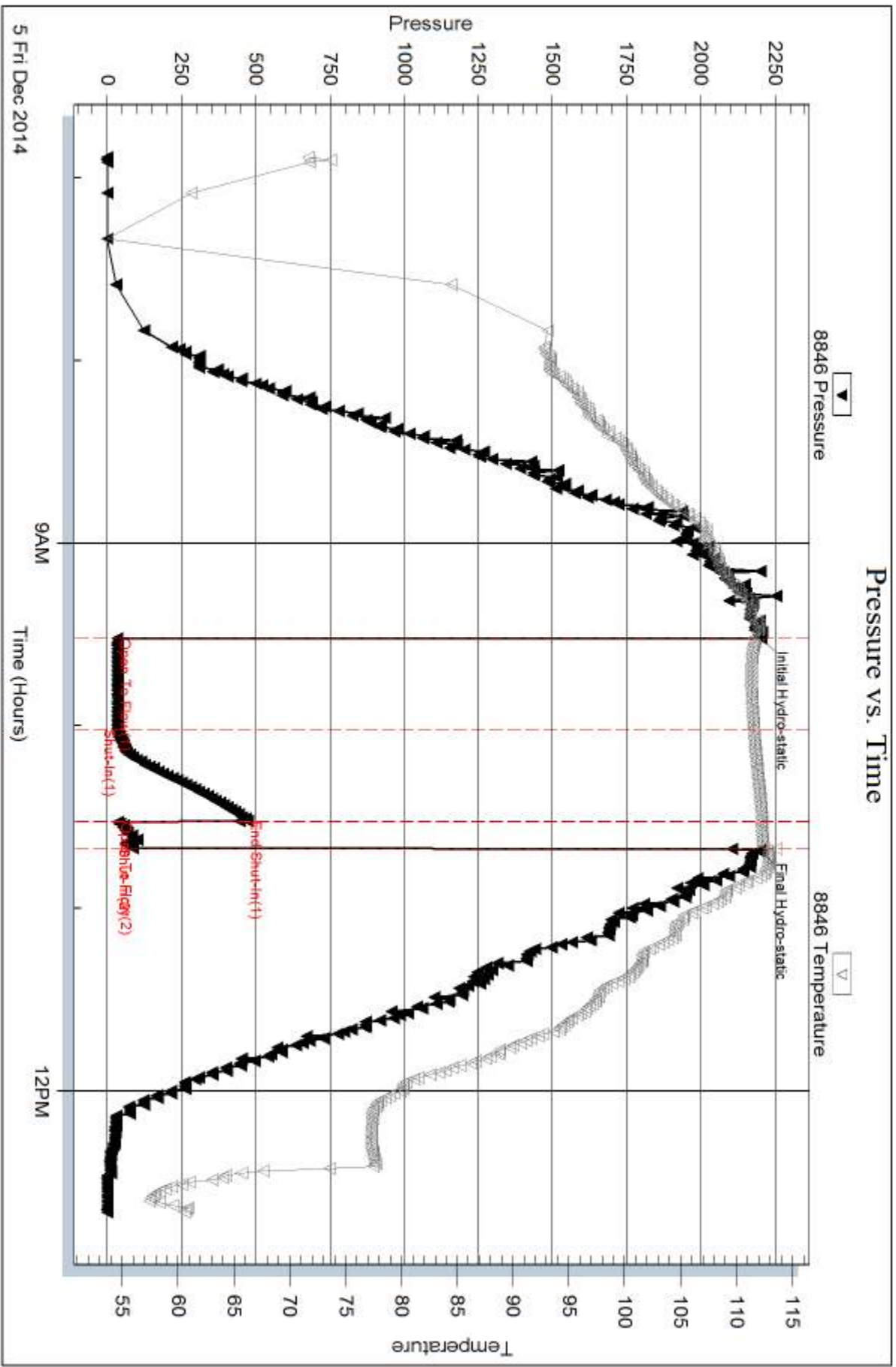
Serial #: 8846

Inside

American Warrior Inc.

O'Brate-Finney #1 5

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58552

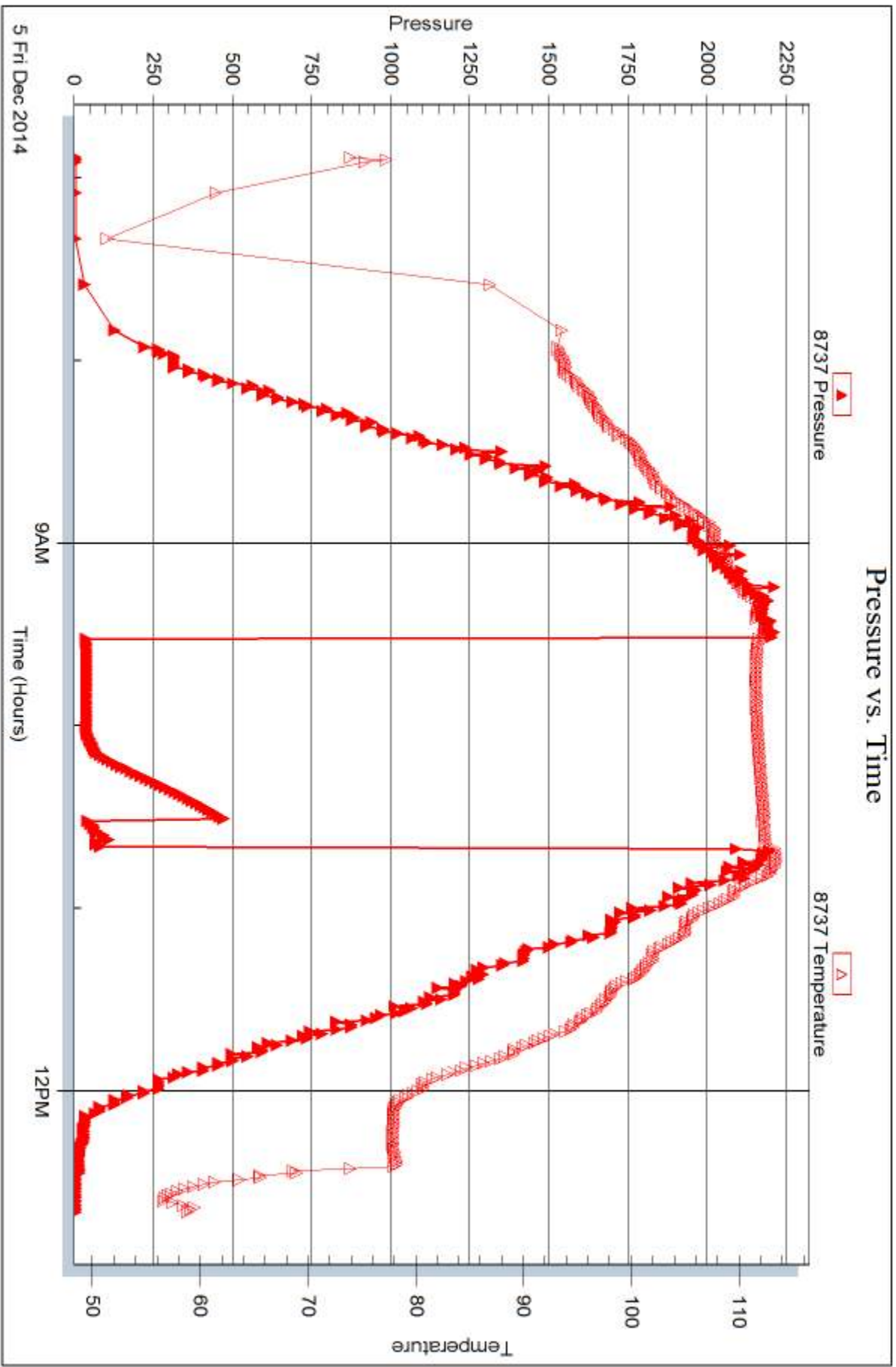
Printed: 2014.12.10 @ 15:38:44

Serial #: 8737

Outside American Warrior Inc.

O'Brate-Finney #1 5

DST Test Number: 1



Triobrite Testing, Inc

Ref. No: 58552

Printed: 2014.12.10 @ 15:38:45



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **O'Brate-Finney #1 5**

### **5-23-32 Finney,KS**

Start Date: 2014.12.05 @ 22:58:15

End Date: 2014.12.06 @ 07:10:30

Job Ticket #: 58553                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.10 @ 15:38:20





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**5-23-32 Finney,KS**  
**O'Brate-Finney #1 5**  
Job Ticket: 58553 **DST#: 2**  
Test Start: 2014.12.05 @ 22:58:15

## GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 01:22:45  
Time Test Ended: 07:10:30  
Interval: **4432.00 ft (KB) To 4511.00 ft (KB) (TVD)**  
Total Depth: 4511.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Mike Roberts  
Unit No: 65  
Reference Elevations: 2860.00 ft (KB)  
2847.00 ft (CF)  
KB to GR/CF: 13.00 ft

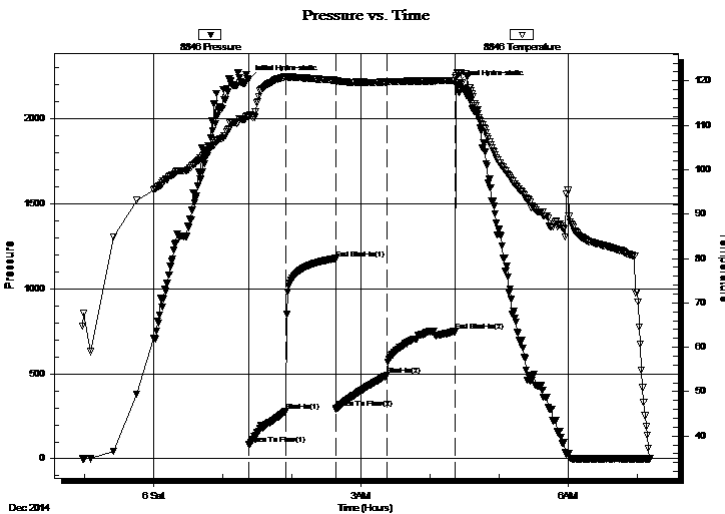
## Serial #: 8846

Inside

Press@RunDepth: 490.63 psig @ 4436.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2014.12.05 End Date: 2014.12.06 Last Calib.: 2014.12.06  
Start Time: 22:58:15 End Time: 07:10:30 Time On Btm: 2014.12.06 @ 01:22:15  
Time Off Btm: 2014.12.06 @ 04:22:00

TEST COMMENT: IF:BOB in 3 min  
IS:No return blow  
FF:BOB in 4 min  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.96	112.03	Initial Hydro-static
1	83.08	111.90	Open To Flow (1)
32	280.92	120.92	Shut-In(1)
76	1179.21	120.14	End Shut-In(1)
76	299.59	119.81	Open To Flow (2)
120	490.63	119.77	Shut-In(2)
179	749.35	120.06	End Shut-In(2)
180	2200.94	120.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
651.00	ocgm 20%o 30%g 50%m	9.13
186.00	gcow m 10%g 10%o 30%w 50%m	2.61
186.00	ocgw 10%o30%g 60%w	2.61
186.00	gcow 20%g 40%o 40%w	2.61
186.00	mcw 50%m 50%w	2.61

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Kevin Timson

**5-23-32 Finney, KS**  
**O'Brate-Finney #1 5**  
 Job Ticket: 58553 **DST#: 2**  
 Test Start: 2014.12.05 @ 22:58:15

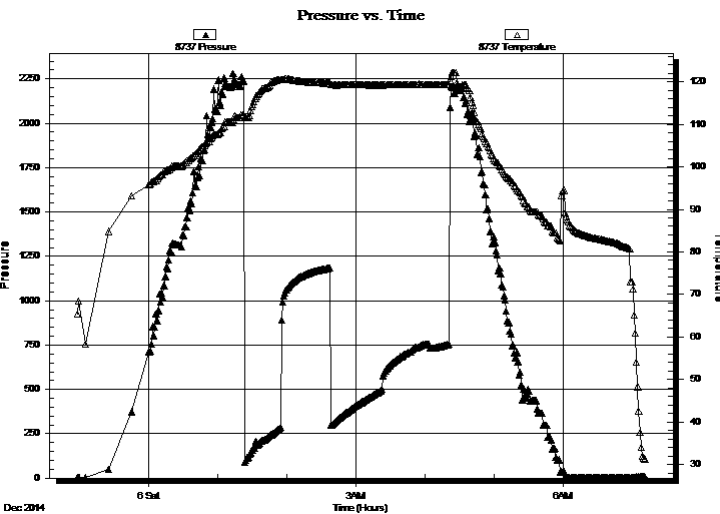
## GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:22:45  
 Time Test Ended: 07:10:30  
 Interval: **4432.00 ft (KB) To 4511.00 ft (KB) (TVD)**  
 Total Depth: 4511.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2860.00 ft (KB)  
 2847.00 ft (CF)  
 KB to GR/CF: 13.00 ft

## Serial #: 8737 Outside

Press@RunDepth: psig @ 4436.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.05 End Date: 2014.12.06 Last Calib.: 2014.12.06  
 Start Time: 22:58:15 End Time: 07:10:15 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF:BOB in 3 min  
 IS:No return blow  
 FF:BOB in 4 min  
 FS:No return blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
651.00	ocgm 20%o 30%g 50%m	9.13
186.00	gcow m 10%g 10%o 30%w 50%m	2.61
186.00	ocgw 10%o30%g 60%w	2.61
186.00	gcow 20%g 40%o 40%w	2.61
186.00	mcw 50%m 50%w	2.61

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**5-23-32 Finney,KS**

PO Box 399  
Garden City KS 67846

**O'Brate-Finney #1 5**

Job Ticket: 58553

**DST#: 2**

ATTN: Kevin Timson

Test Start: 2014.12.05 @ 22:58:15

## Tool Information

Drill Pipe:	Length: 4420.00 ft	Diameter: 3.80 inches	Volume: 62.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4432.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	107.00 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			4405.00	
Shut In Tool	5.00			4410.00	
Hydraulic tool	5.00			4415.00	
Jars	5.00			4420.00	
Safety Joint	3.00			4423.00	
Packer	5.00			4428.00	28.00 Bottom Of Top Packer
Packer	4.00			4432.00	
Stubb	1.00			4433.00	
Perforations	3.00			4436.00	
Recorder	0.00	8846	Inside	4436.00	
Recorder	0.00	8737	Outside	4436.00	
Change Over Sub	1.00			4437.00	
Blank Spacing	63.00			4500.00	
Change Over Sub	1.00			4501.00	
Perforations	5.00			4506.00	
Bullnose	5.00			4511.00	79.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>107.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**5-23-32 Finney,KS**  
**O'Brate-Finney #1 5**  
Job Ticket: 58553      **DST#: 2**  
Test Start: 2014.12.05 @ 22:58:15

## 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: 29000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1800.00 ppm		
Filter Cake: 1.00 inches		

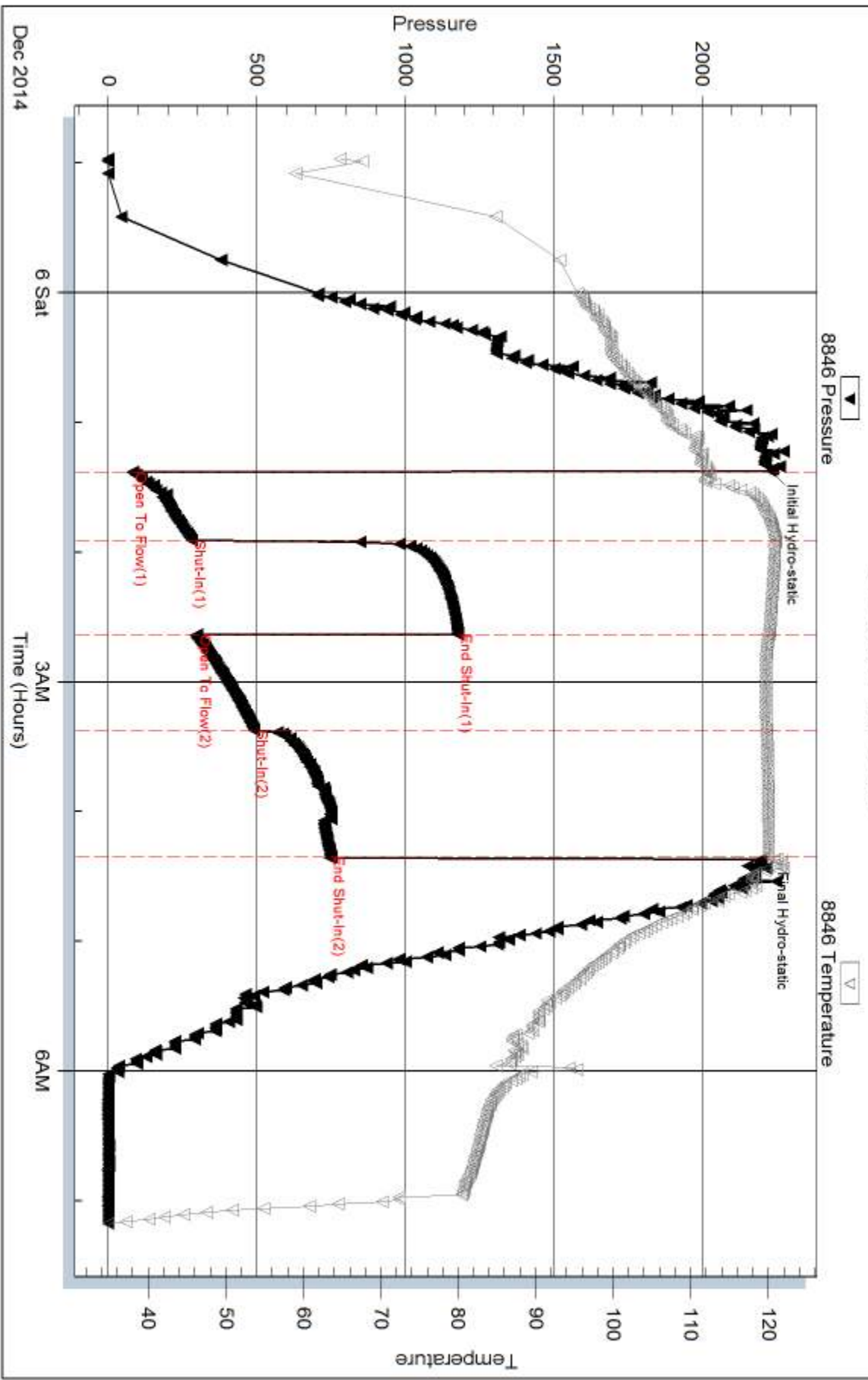
## Recovery Information

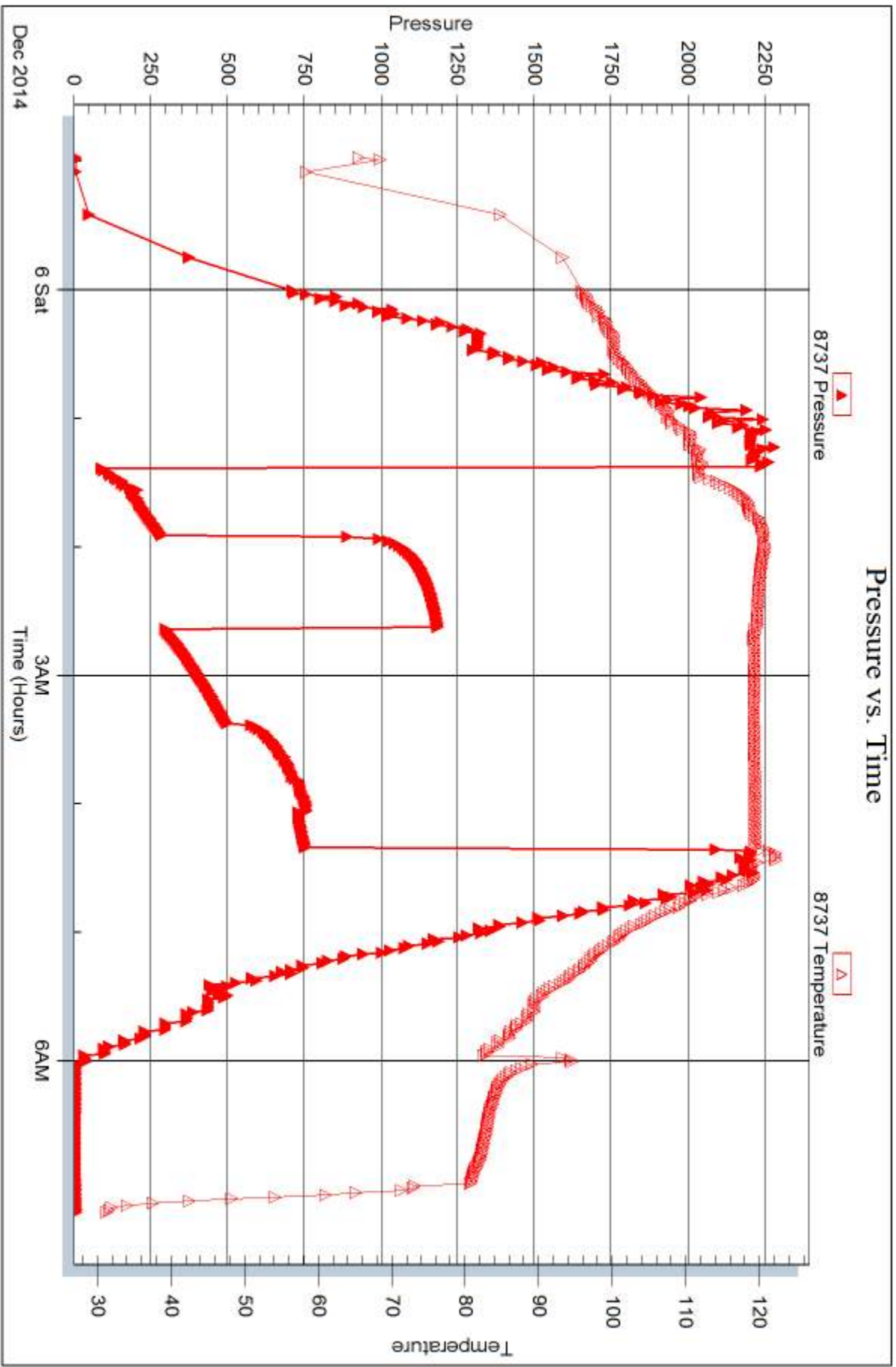
Recovery Table

Length ft	Description	Volume bbl
651.00	ocgm 20%o 30%g 50%m	9.132
186.00	gcow m 10%g 10%o 30%w 50%m	2.609
186.00	ocgw 10%o30%g 60%w	2.609
186.00	gcow 20%g 40%o 40%w	2.609
186.00	mcw 50%m 50%w	2.609

Total Length: 1395.00 ft      Total Volume: 19.568 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW= .40@55\*= 29,000 ppm

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

### **O'Brate-Finney #1 5**

#### **5-23-32 Finney,KS**

Start Date: 2014.12.07 @ 08:53:15

End Date: 2014.12.07 @ 17:46:15

Job Ticket #: 58554                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.10 @ 15:37:37



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Kevin Timson

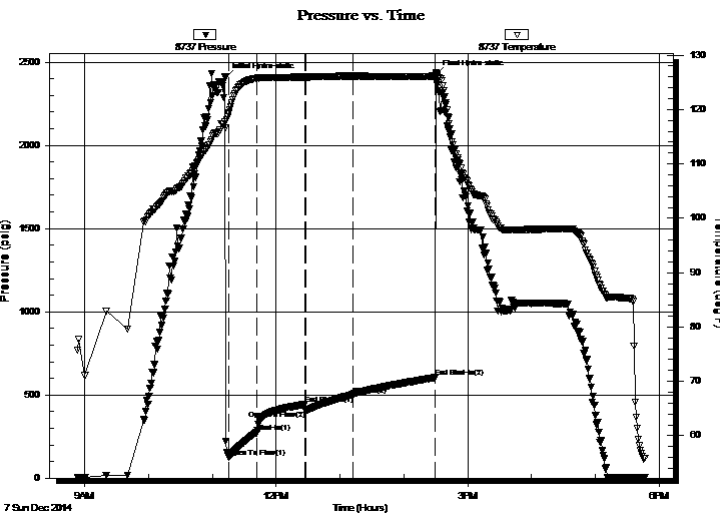
**5-23-32 Finney, KS**  
**O'Brate-Finney #1 5**  
 Job Ticket: 58554 **DST#: 3**  
 Test Start: 2014.12.07 @ 08:53:15

## GENERAL INFORMATION:

Formation: **St. Louis**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:15:00  
 Time Test Ended: 17:46:15  
 Interval: **4754.00 ft (KB) To 4776.00 ft (KB) (TVD)**  
 Total Depth: 4754.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2860.00 ft (KB)  
 2847.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8737 Outside**  
 Press@RunDepth: 501.00 psig @ 4771.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.07 End Date: 2014.12.07 Last Calib.: 2014.12.07  
 Start Time: 08:53:15 End Time: 17:46:15 Time On Btm: 2014.12.07 @ 11:12:00  
 Time Off Btm: 2014.12.07 @ 14:30:30

TEST COMMENT: IF:BOB in 1 min.  
 IS:BOB in 20 min.  
 FF:BOB in 2 min.  
 FS:BOB in 9 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.02	117.79	Initial Hydro-static
3	127.09	119.19	Open To Flow (1)
30	276.14	125.71	Shut-In(1)
75	443.96	125.97	End Shut-In(1)
76	405.53	125.95	Open To Flow (2)
120	501.00	126.10	Shut-In(2)
198	605.83	126.10	End Shut-In(2)
199	2423.48	126.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
930.00	mcgo 5% m 5% g 90% o	13.05
930.00	free oil 100% o	13.05
0.00	GIP= 2790 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

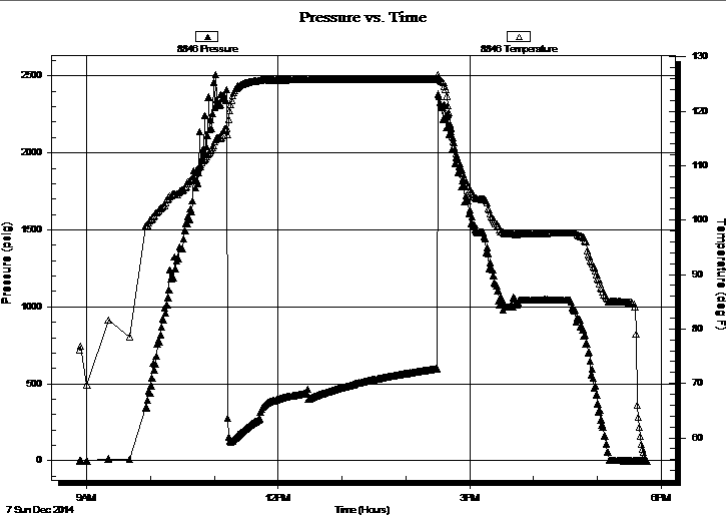
**5-23-32 Finney, KS**  
**O'Brate-Finney #1 5**  
Job Ticket: 58554 **DST#: 3**  
Test Start: 2014.12.07 @ 08:53:15

## GENERAL INFORMATION:

Formation: <b>St. Louis</b>			
Deviated: No Whipstock: ft (KB)		Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 11:15:00		Tester: Mike Roberts	
Time Test Ended: 17:46:15		Unit No: 65	
<b>Interval: 4754.00 ft (KB) To 4776.00 ft (KB) (TVD)</b>		Reference Elevations: 2860.00 ft (KB)	
Total Depth: 4754.00 ft (KB) (TVD)		2847.00 ft (CF)	
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF: 13.00 ft	

<b>Serial #: 8846</b> Inside			
Press@RunDepth: psig @ 4771.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2014.12.07 End Date: 2014.12.07	Last Calib.: 2014.12.07		
Start Time: 08:53:15 End Time: 17:46:30	Time On Btm:		
	Time Off Btm:		

TEST COMMENT: IF:BOB 1 min.  
IS:BOB in 20 min.  
FF:BOB in 2 min.  
FS:BOB in 9 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
930.00	mcgo 5%m 5%g 90%o	13.05
930.00	free oil 100% o	13.05
0.00	GIP= 2790 ft	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior Inc.

**5-23-32 Finney, KS**

PO Box 399  
Garden City KS 67846

**O'Brate-Finney #1 5**

Job Ticket: 58554

**DST#: 3**

ATTN: Kevin Timson

Test Start: 2014.12.07 @ 08:53:15

## Tool Information

Drill Pipe:	Length: 4734.00 ft	Diameter: 3.80 inches	Volume: 66.41 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 66.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4754.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			4727.00	
Shut In Tool	5.00			4732.00	
Hydraulic tool	5.00			4737.00	
Jars	5.00			4742.00	
Safety Joint	3.00			4745.00	
Packer	5.00			4750.00	28.00 Bottom Of Top Packer
Packer	4.00			4754.00	
Stubb	1.00			4755.00	
Perforations	16.00			4771.00	
Recorder	0.00	8846	Inside	4771.00	
Recorder	0.00	8737	Outside	4771.00	
Bullnose	5.00			4776.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc.  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**5-23-32 Finney,KS**  
**O'Brate-Finney #1 5**  
Job Ticket: 58554      **DST#: 3**  
Test Start: 2014.12.07 @ 08:53:15

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2200.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

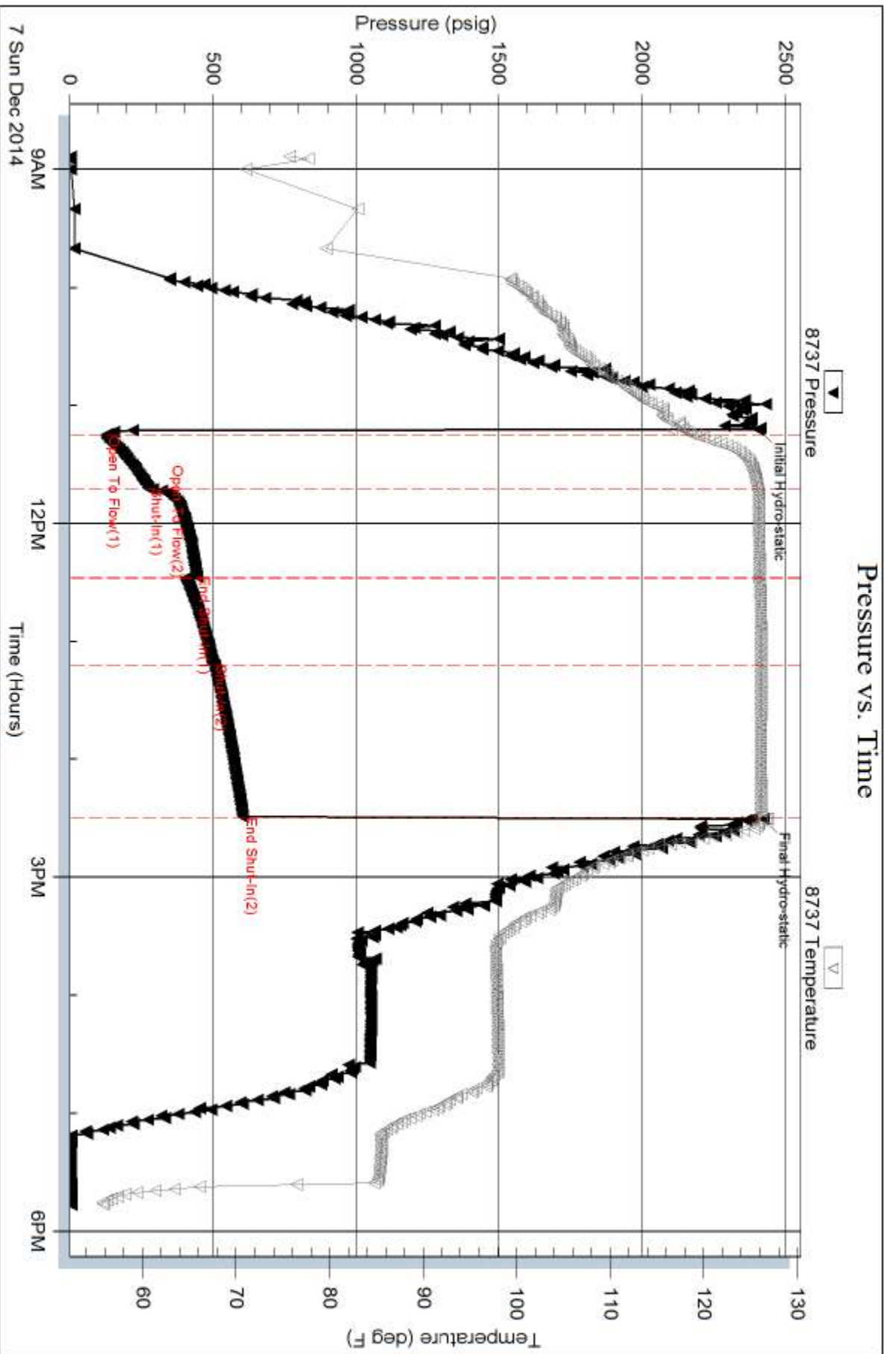
Length ft	Description	Volume bbl
930.00	mcgo 5%m 5%g 90%o	13.045
930.00	free oil 100% o	13.045
0.00	GIP= 2790 ft	0.000

Total Length: 1860.00 ft      Total Volume: 26.090 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API= 29 @ 80\* corrected to 31



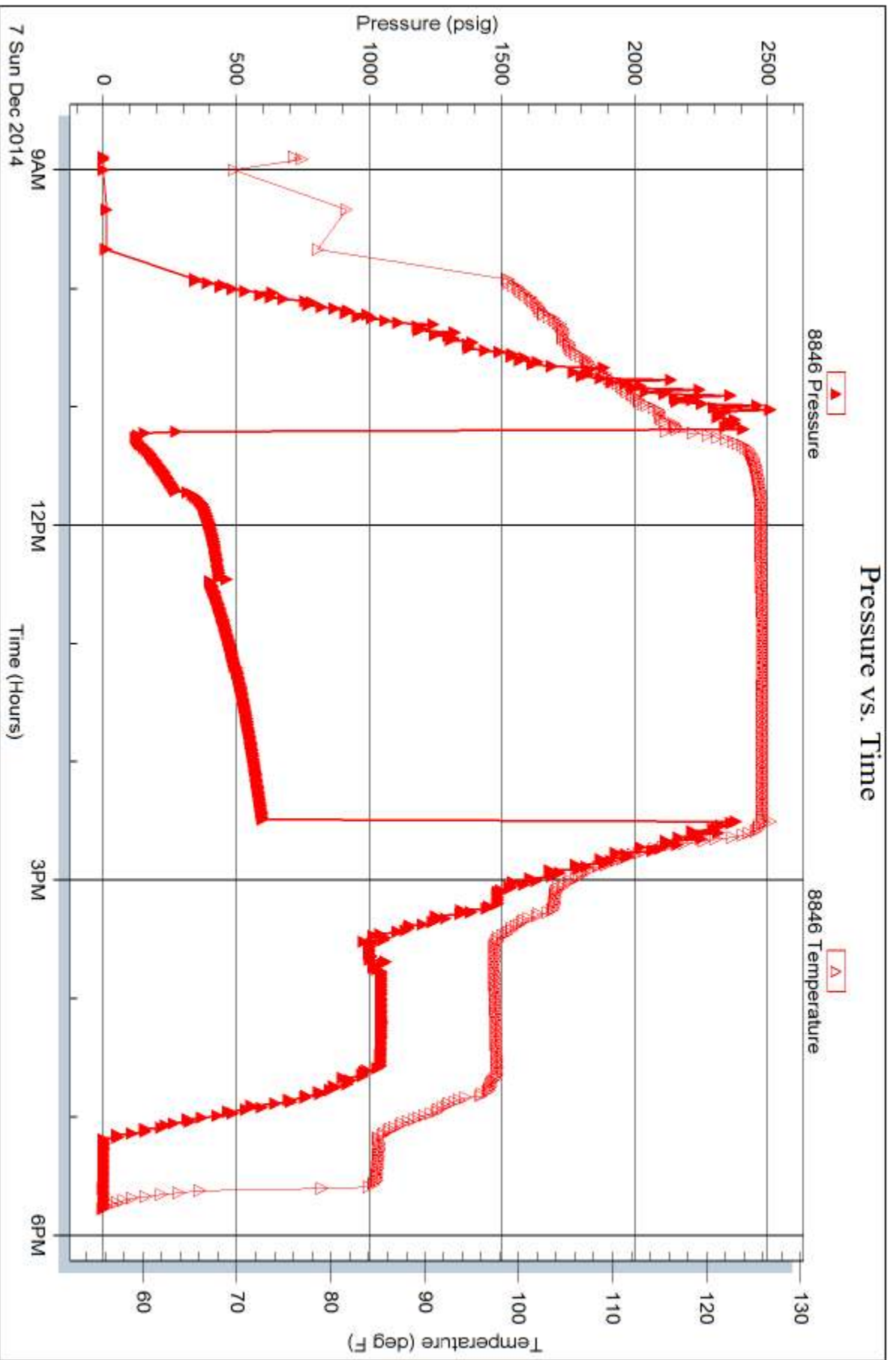
Serial #: 8846

Inside

American Warrior Inc.

O'Brate-Finney #1 5

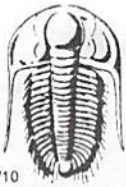
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58554

Printed: 2014.12.10 @ 15:37:38



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58552

4/10

Well Name & No. O'Brate-Finney #1-5 Test No. 1 Date 12-5-14  
 Company American Warrior Inc. Elevation 2860 KB 2847 GL  
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke 10  
 Location: Sec. 5 Twp. 23 Rge. 32 Co. Finney State KS

Interval Tested 4390-4442 Zone Tested Marmaton  
 Anchor Length 52 Drill Pipe Run 4387 Mud Wt. 9.1  
 Top Packer Depth 4385 Drill Collars Run Ø Vis 54  
 Bottom Packer Depth 4390 Wt. Pipe Run Ø WL 9.2  
 Total Depth 4442 Chlorides 2250 ppm System LCM 2  
 Blow Description IF: Weak surface Blow Died in 2 Min  
IS: No Return Blow  
FF: No Blow  
FS: Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total	BHT
<u>2</u>	<u>2203</u>
(A) Initial Hydrostatic	<u>33</u>
(B) First Initial Flow	<u>34</u>
(C) First Final Flow	<u>472</u>
(D) Initial Shut-In	<u>35</u>
(E) Second Initial Flow	<u>84</u>
(F) Second Final Flow	<u>2199</u>
(G) Final Shut-In	<u>30</u>
Initial Shut-In	<u>30</u>
Final Flow	<u>10</u>
Final Shut-In	<u>pulled</u>

Gravity — API RW — @ — ° F Chlorides — ppm

Test 1250.00/- T-On Location 05:00  
 Jars 250.00/- T-Started 06:53  
 Safety Joint 75.00 T-Open 09:30  
 Circ Sub NC T-Pulled 10:40  
 Hourly Standby — T-Out 12:40  
 Mileage 68RT 105.40/- Comments —  
 Sampler —  
 Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Extra Recorder — Sub Total 0  
 Day Standby — Total 1680.40  
 Accessibility — MP/DST Disc't —  
 Sub Total \$1680.40/-

Approved By — Our Representative Mike Bobatz

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.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58553

Well Name & No. OBrate - Finney #1-5 Test No. 2 Date 12-6-14  
 Company American Warrior Inc Elevation 2860 KB 2847 GL  
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke 10  
 Location: Sec. 5 Twp. 23 Rge. 32 Co. Finney State KS

Interval Tested 4432-4511 Zone Tested Pawnee-Cherokee  
 Anchor Length 79' Drill Pipe Run 4420 Mud Wt. 9.3  
 Top Packer Depth 4427 Drill Collars Run 0 Vis 46  
 Bottom Packer Depth 4432 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4511 Chlorides 1800 ppm System LCM 2

Blow Description IF: BOB 3 Min  
IS: No Return Blow  
FF: BOB 4 Min  
FS: No Return Blow

Rec	Feet of	OCGM	%gas	%oil	%water	%mud
<u>651</u>	<u>geowm</u>	<u>30</u>	<u>20</u>	<u>20</u>	<u>50</u>	<u>50</u>
<u>186</u>	<u>geowm</u>	<u>10</u>	<u>10</u>	<u>30</u>	<u>50</u>	<u>50</u>
<u>186</u>	<u>ocgw</u>	<u>30</u>	<u>10</u>	<u>60</u>		
<u>186</u>	<u>geow</u>	<u>20</u>	<u>40</u>	<u>40</u>		
<u>186</u>	<u>mcw</u>			<u>50</u>	<u>50</u>	

Rec Total 1395 BHT 122 Gravity — API RW .40 @ 55 °F Chlorides 29000 ppm  
 (A) Initial Hydrostatic 2232  Test 1250.00/- T-On Location 22:45 12/5  
 (B) First Initial Flow 83  Jars 250.00/- T-Started 22:58  
 (C) First Final Flow 280  Safety Joint 75.00/- T-Open 01:23  
 (D) Initial Shut-In 1179  Circ Sub NC T-Pulled 04:23  
 (E) Second Initial Flow 299  Hourly Standby \_\_\_\_\_ T-Out 07:10  
 (F) Second Final Flow 490  Mileage 68 RT 105.40/- Comments \_\_\_\_\_  
 (G) Final Shut-In 749  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2200  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

Sub Total 1680.40/- MP/DST Disc't \_\_\_\_\_  
 Total 1680.40

Approved By \_\_\_\_\_ Our Representative Mike Roberts  
 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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58554

Well Name & No. O Brate - Finney #1-5 Test No. 3 Date 12-7-14  
 Company American Warrior Inc Elevation 2860 KB 2847 GL  
 Address 3118 Cummings Rd P.O. Box 399 Garden City KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #10  
 Location: Sec. 5 Twp. 23 Rge. 32 Co. Finney State KS

Interval Tested 4754-4776 Zone Tested St. Louis  
 Anchor Length 22 Drill Pipe Run 4734 Mud Wt. 9.2  
 Top Packer Depth 4749 Drill Collars Run Ø Vis 91  
 Bottom Packer Depth 4754 Wt. Pipe Run Ø WL 7.6  
 Total Depth 4776 Chlorides 2200 ppm System LCM 2  
 Blow Description IF: BOB in 1 Min  
IS: BOB in 20 Min  
FF: BOB in 2 Min GTS Not Measurable  
FS: BOB in

Rec	Feet of	%gas	%oil	%water	%mud
<u>Ø</u>	<u>GIP = 2790'</u>				
<u>930</u>	<u><del>Ø</del> mcgo</u>	<u>50</u>	<u>90</u>		<u>5</u>
<u>930</u>	<u>Free Oil</u>	<u>100</u>			

Rec Total 1860 BHT 128 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2406</u>	<input checked="" type="checkbox"/> Test <u>1250.00/-</u>	T-On Location <u>08:25</u>
(B) First Initial Flow <u>127</u>	<input checked="" type="checkbox"/> Jars <u>250.00/-</u>	T-Started <u>08:53</u>
(C) First Final Flow <u>276</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00/-</u>	T-Open <u>11:12</u>
(D) Initial Shut-In <u>443</u>	<input checked="" type="checkbox"/> Circ Sub <u>Dropped 50.00/-</u>	T-Pulled <u>13:12</u>
(E) Second Initial Flow <u>405</u>	<input type="checkbox"/> Hourly Standby <u>bar</u>	T-Out <u>17:46</u>
(F) Second Final Flow <u>501</u>	<input checked="" type="checkbox"/> Mileage <u>68 RT \$05.40/-</u>	Comments _____
(G) Final Shut-In <u>605</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2423</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>41.67</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby <u>1d 1.25h</u>	Total <u>1772.07</u>
	<input type="checkbox"/> Accessibility <u>1730.40</u>	MP/DST Disc't _____
	Sub Total <u>\$1680.40/-</u>	

Approved By \_\_\_\_\_ Our Representative Mike Rohlf  
 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.