



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67842

ATTN: Kevin Timson

O'Brate-Gray #1-4

4-25s-29w-Gray,KS

Start Date: 2013.10.19 @ 03:31:15

End Date: 2013.10.19 @ 12:12:00

Job Ticket #: 54522 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.24 @ 14:25:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54522 **DST#: 1**
Test Start: 2013.10.19 @ 03:31:15

Tool Information

Drill Pipe:	Length: 4392.00 ft	Diameter: 3.80 inches	Volume: 61.61 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 62.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	0.00 lb
Depth to Top Packer:	4684.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	94.00 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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Change Over Sub	1.00			4657.00	
Shut In Tool	5.00			4662.00	
Hydraulic tool	5.00			4667.00	
Jars	5.00			4672.00	
Safety Joint	2.00			4674.00	
Packer	5.00			4679.00	28.00 Bottom Of Top Packer
Packer	5.00			4684.00	
Stubb	1.00			4685.00	
Perforations	2.00			4687.00	
Recorder	0.00	8846	Inside	4687.00	
Recorder	0.00	8737	Outside	4687.00	
Perforations	25.00			4712.00	
Change Over Sub	1.00			4713.00	
Drill Pipe	31.00			4744.00	
Change Over Sub	1.00			4745.00	
Bullnose	5.00			4750.00	66.00 Bottom Packers & Anchor
Total Tool Length:	94.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54522 **DST#: 1**
Test Start: 2013.10.19 @ 03:31:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.57 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	N/A	0.000

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

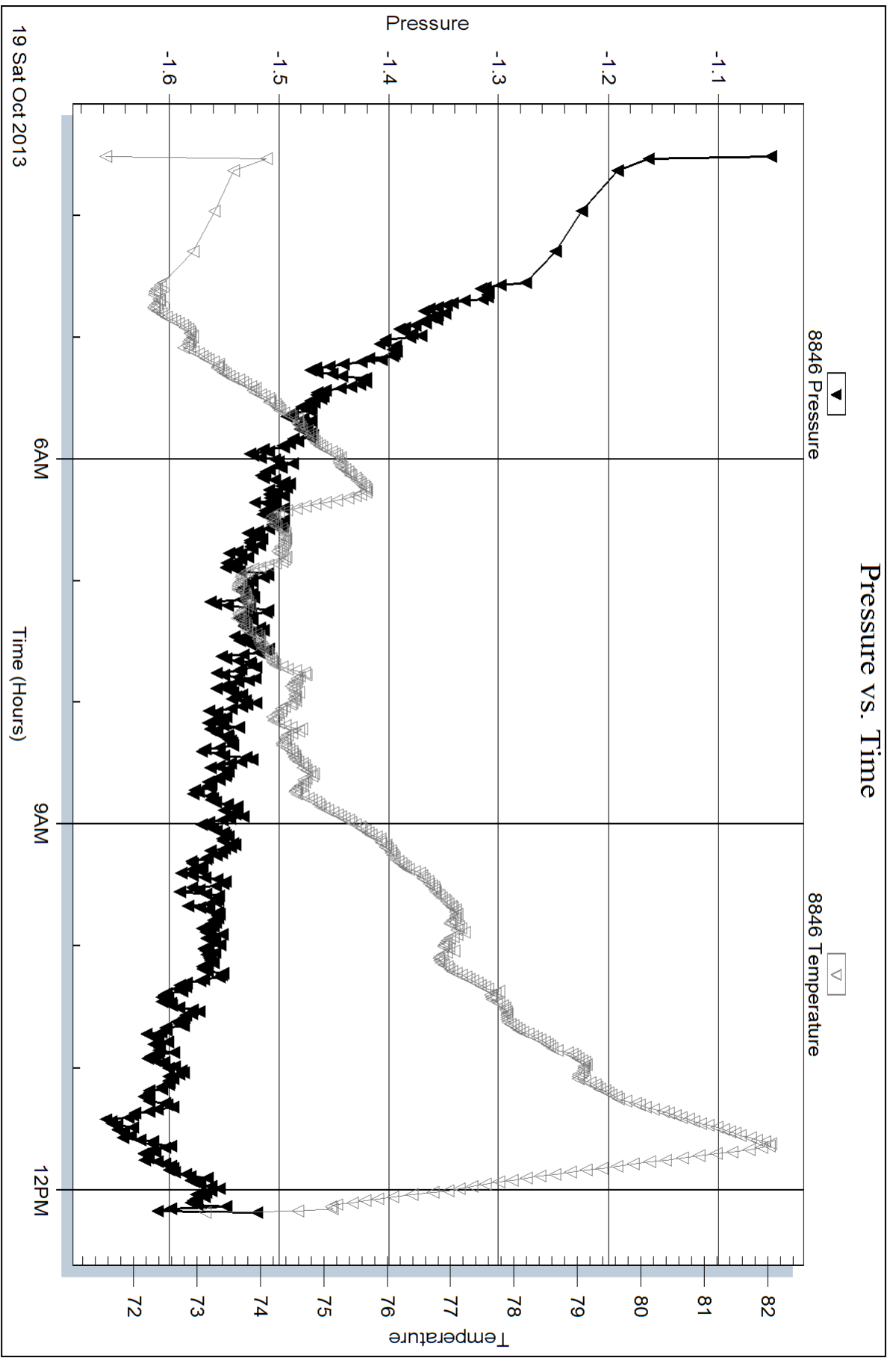
Serial #: 8846

Inside

American Warrior Inc.

OBrate-Gray #1-4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 54522

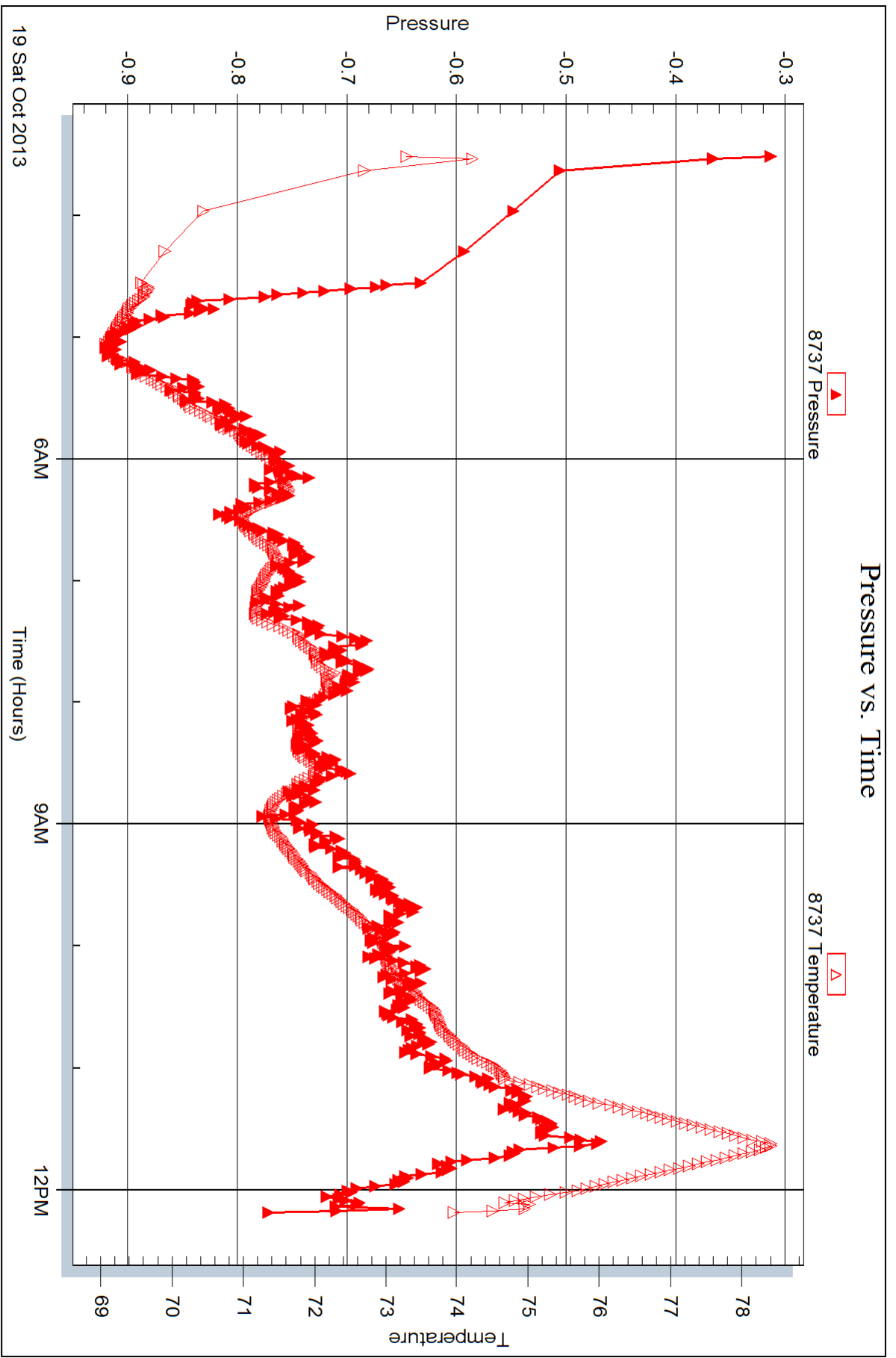
Printed: 2013.10.24 @ 14:25:18

Serial #: 8737

Outside American Warrior Inc.

OBrate-Gray #1-4

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54522

Printed: 2013.10.24 @ 14:25:19



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67842

ATTN: Kevin Timson

O'Brate-Gray #1-4

4-25s-29w-Gray,KS

Start Date: 2013.10.19 @ 21:36:00

End Date: 2013.10.20 @ 05:39:30

Job Ticket #: 54740 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.24 @ 14:24:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67842
 ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
 Job Ticket: 54740 **DST#: 2**
 Test Start: 2013.10.19 @ 21:36:00

GENERAL INFORMATION:

Formation: **Pawnee- Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:08:30
 Time Test Ended: 05:39:30
 Interval: **4684.00 ft (KB) To 4750.00 ft (KB) (TVD)**
 Total Depth: 4750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Sam Esparza
 Unit No: 65
 Reference Elevations: 2816.00 ft (KB)
 2805.00 ft (CF)
 KB to GR/CF: 11.00 ft

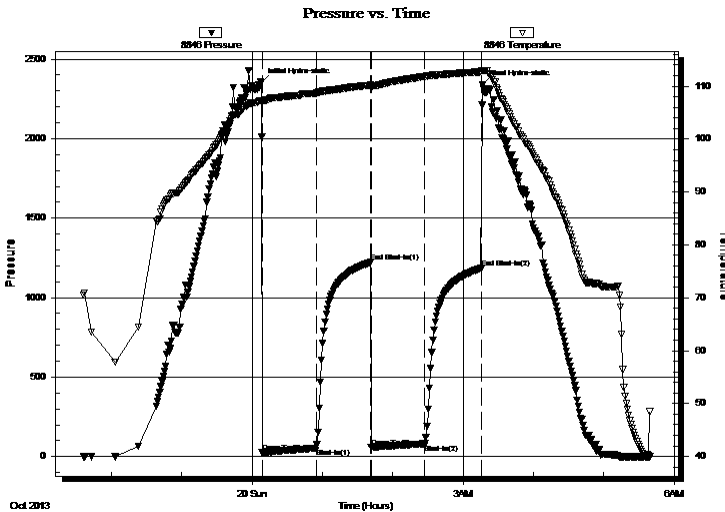
Serial #: 8846

Inside

Press @ Run Depth: 80.34 psig @ 4685.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.19 End Date: 2013.10.20 Last Calib.: 2013.10.20
 Start Time: 21:36:15 End Time: 05:39:30 Time On Btm: 2013.10.20 @ 00:08:00
 Time Off Btm: 2013.10.20 @ 03:16:45

TEST COMMENT: IF: 2" Blow .
 IS: No Return.
 FF: 3/4" Blow .
 FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.60	107.25	Initial Hydro-static
1	24.63	106.86	Open To Flow (1)
47	53.93	108.61	Shut-In(1)
94	1222.10	110.21	End Shut-In(1)
94	57.86	109.66	Open To Flow (2)
140	80.34	111.85	Shut-In(2)
188	1185.17	112.71	End Shut-In(2)
189	2337.29	112.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud (Oil Scum on top) Light gassy odor	0.64

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54740 **DST#: 2**
Test Start: 2013.10.19 @ 21:36:00

Tool Information

Drill Pipe:	Length: 4392.00 ft	Diameter: 3.80 inches	Volume: 61.61 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 62.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4684.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	95.00 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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Change Over Sub	1.00			4656.00	
Shut In Tool	5.00			4661.00	
Hydraulic tool	5.00			4666.00	
Jars	5.00			4671.00	
Safety Joint	3.00			4674.00	
Packer	5.00			4679.00	29.00 Bottom Of Top Packer
Packer	5.00			4684.00	
Stubb	1.00			4685.00	
Recorder	0.00	8846	Inside	4685.00	
Recorder	0.00	8737	Outside	4685.00	
Perforations	27.00			4712.00	
Change Over Sub	1.00			4713.00	
Drill Pipe	31.00			4744.00	
Change Over Sub	1.00			4745.00	
Bullnose	5.00			4750.00	66.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray,KS
O'Brate-Gray #1-4
Job Ticket: 54740 **DST#: 2**
Test Start: 2013.10.19 @ 21:36:00

Mud and Cushion Information

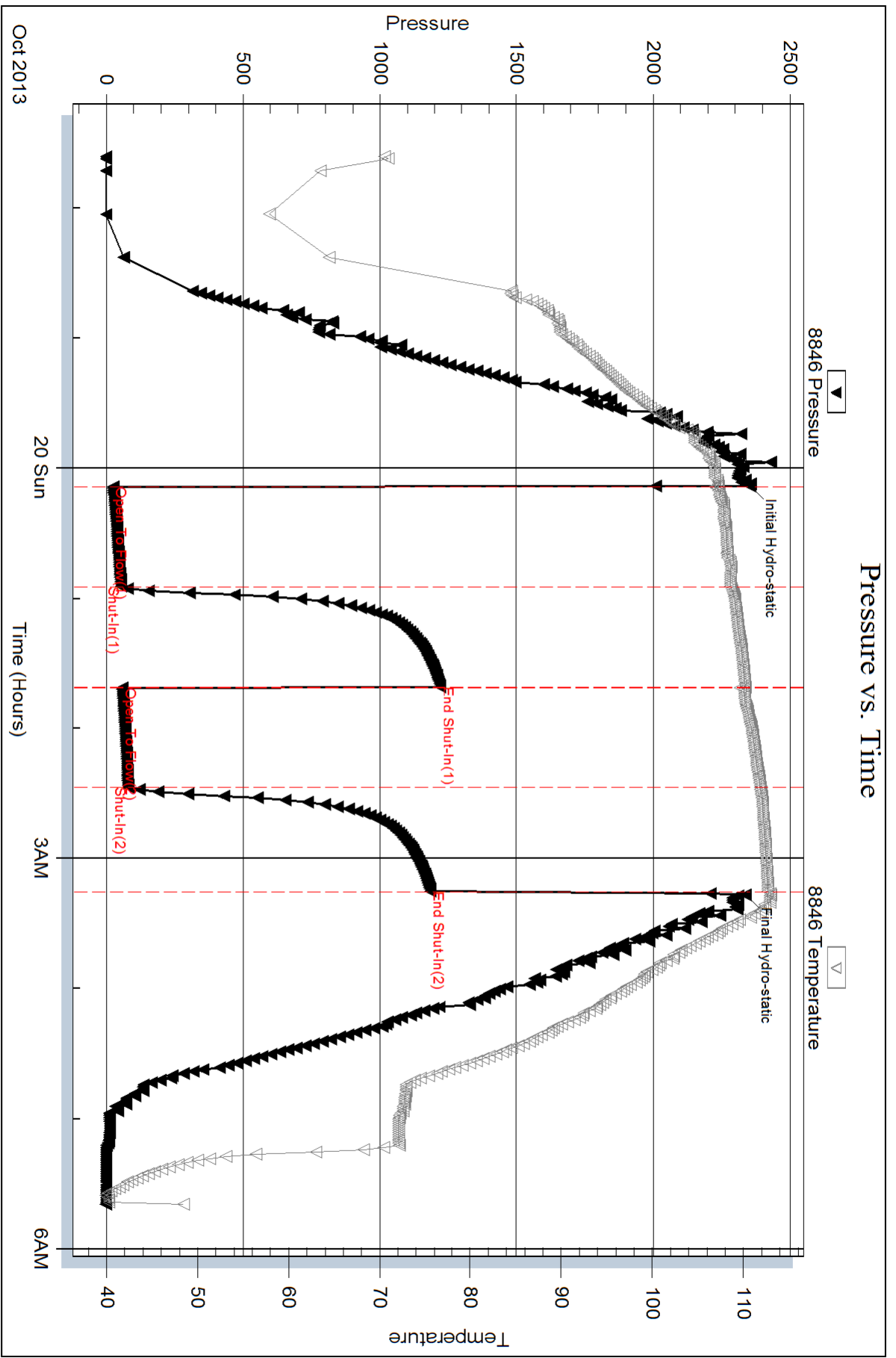
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: 1.00 inches			

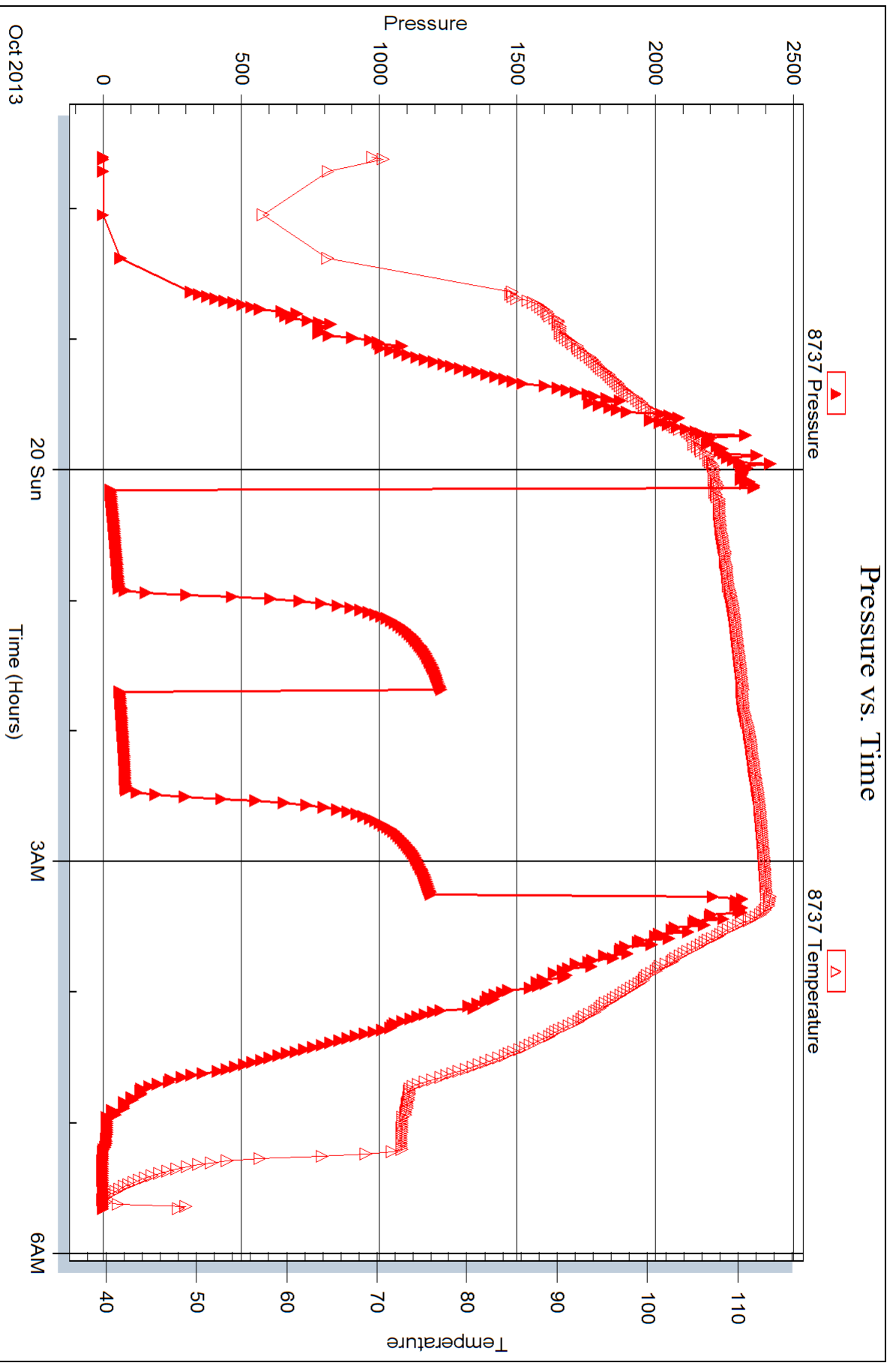
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud (Oil Scum on top) Light gassy odor	0.639

Total Length: 130.00 ft Total Volume: 0.639 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67842

ATTN: Kevin Timson

O'Brate-Gray #1-4

4-25s-29w-Gray,KS

Start Date: 2013.10.21 @ 02:33:00

End Date: 2013.10.21 @ 09:48:00

Job Ticket #: 54741 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.10.24 @ 14:24:27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

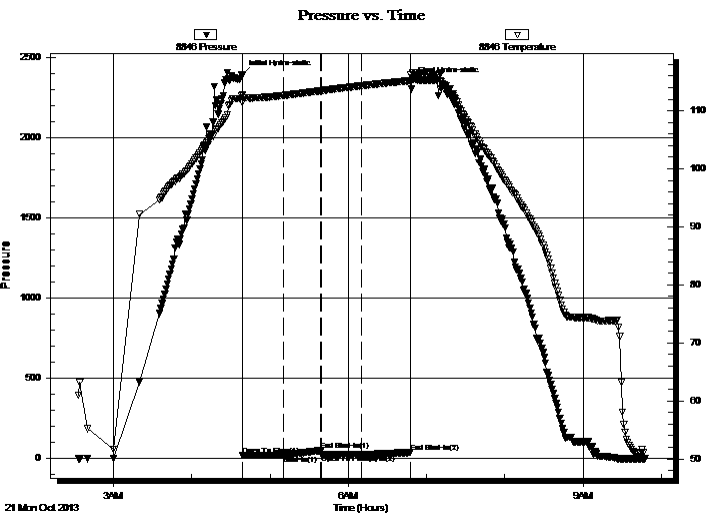
4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54741 **DST#: 3**
Test Start: 2013.10.21 @ 02:33:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:39:00
Time Test Ended: 09:48:00
Interval: **4836.00 ft (KB) To 4897.00 ft (KB) (TVD)**
Total Depth: 4897.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Sam Esparza
Unit No: 65
Reference Elevations: 2816.00 ft (KB)
2805.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8846 **Inside**
Press @ Run Depth: 25.39 psig @ 4837.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.10.21 End Date: 2013.10.21 Last Calib.: 2013.10.21
Start Time: 02:33:15 End Time: 09:48:00 Time On Btm: 2013.10.21 @ 04:38:45
Time Off Btm: 2013.10.21 @ 06:48:00

TEST COMMENT: IF: 1/4" Blow Died back to a Weak Surface Blow .
IS: No Return.
FF: No Blow .
FS: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.68	112.69	Initial Hydro-static
1	18.53	111.40	Open To Flow (1)
32	23.10	112.64	Shut-In(1)
61	50.59	113.45	End Shut-In(1)
61	24.23	113.44	Open To Flow (2)
92	25.39	114.31	Shut-In(2)
129	37.61	115.21	End Shut-In(2)
130	2350.64	116.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m (Oil Spots)	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54741 **DST#: 3**
Test Start: 2013.10.21 @ 02:33:00

Tool Information

Drill Pipe:	Length: 4549.00 ft	Diameter: 3.80 inches	Volume: 63.81 bbl	Tool Weight: 2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 65.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4836.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	90.00 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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Change Over Sub	1.00			4808.00	
Shut In Tool	5.00			4813.00	
Hydraulic tool	5.00			4818.00	
Jars	5.00			4823.00	
Safety Joint	3.00			4826.00	
Packer	5.00			4831.00	29.00 Bottom Of Top Packer
Packer	5.00			4836.00	
Stubb	1.00			4837.00	
Recorder	0.00	8846	Inside	4837.00	
Recorder	0.00	8737	Outside	4837.00	
Perforations	22.00			4859.00	
Change Over Sub	1.00			4860.00	
Drill Pipe	31.00			4891.00	
Change Over Sub	1.00			4892.00	
Bullnose	5.00			4897.00	61.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray,KS
O'Brate-Gray #1-4
Job Ticket: 54741 **DST#: 3**
Test Start: 2013.10.21 @ 02:33:00

Mud and Cushion Information

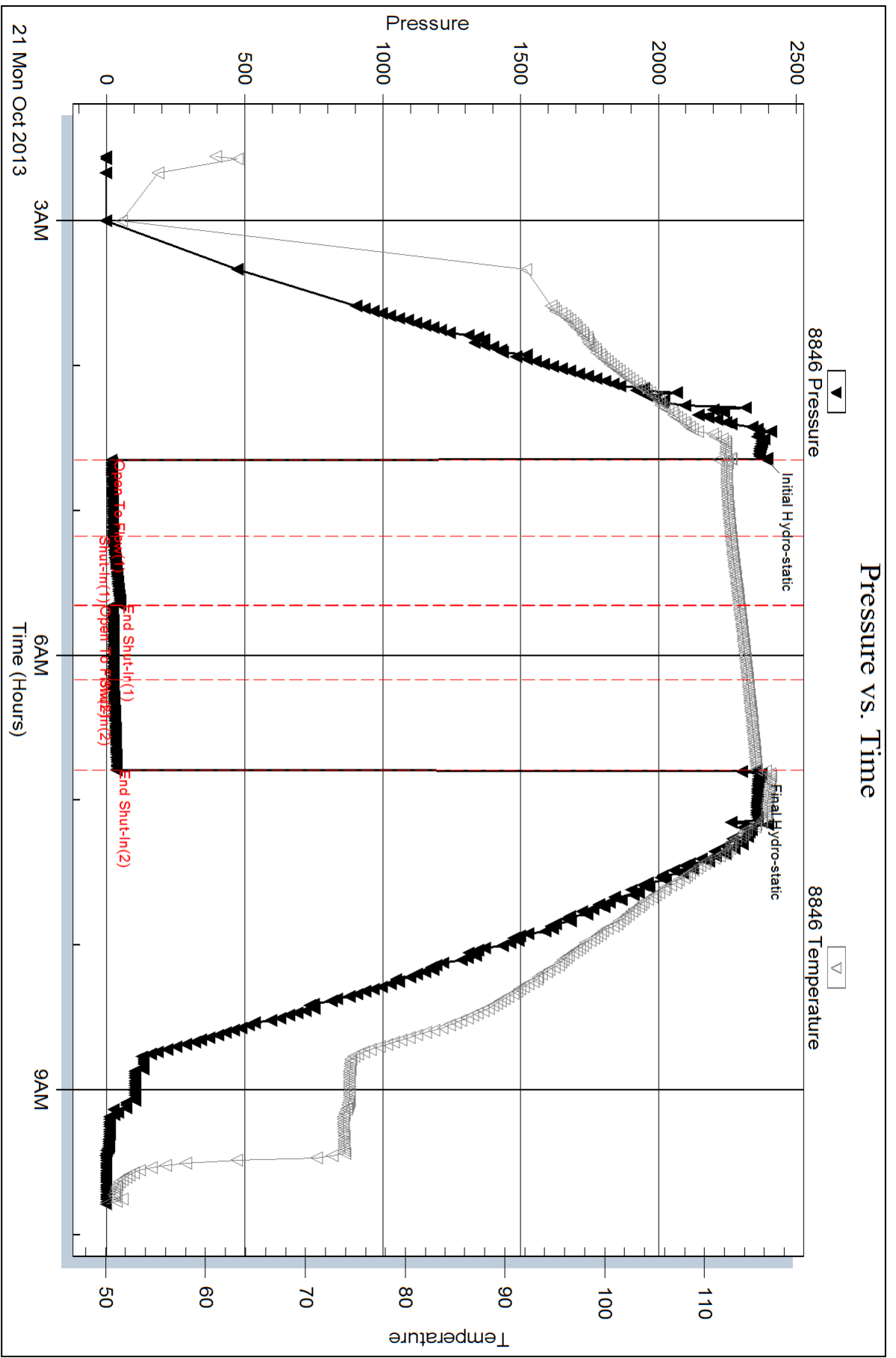
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m (Oil Spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

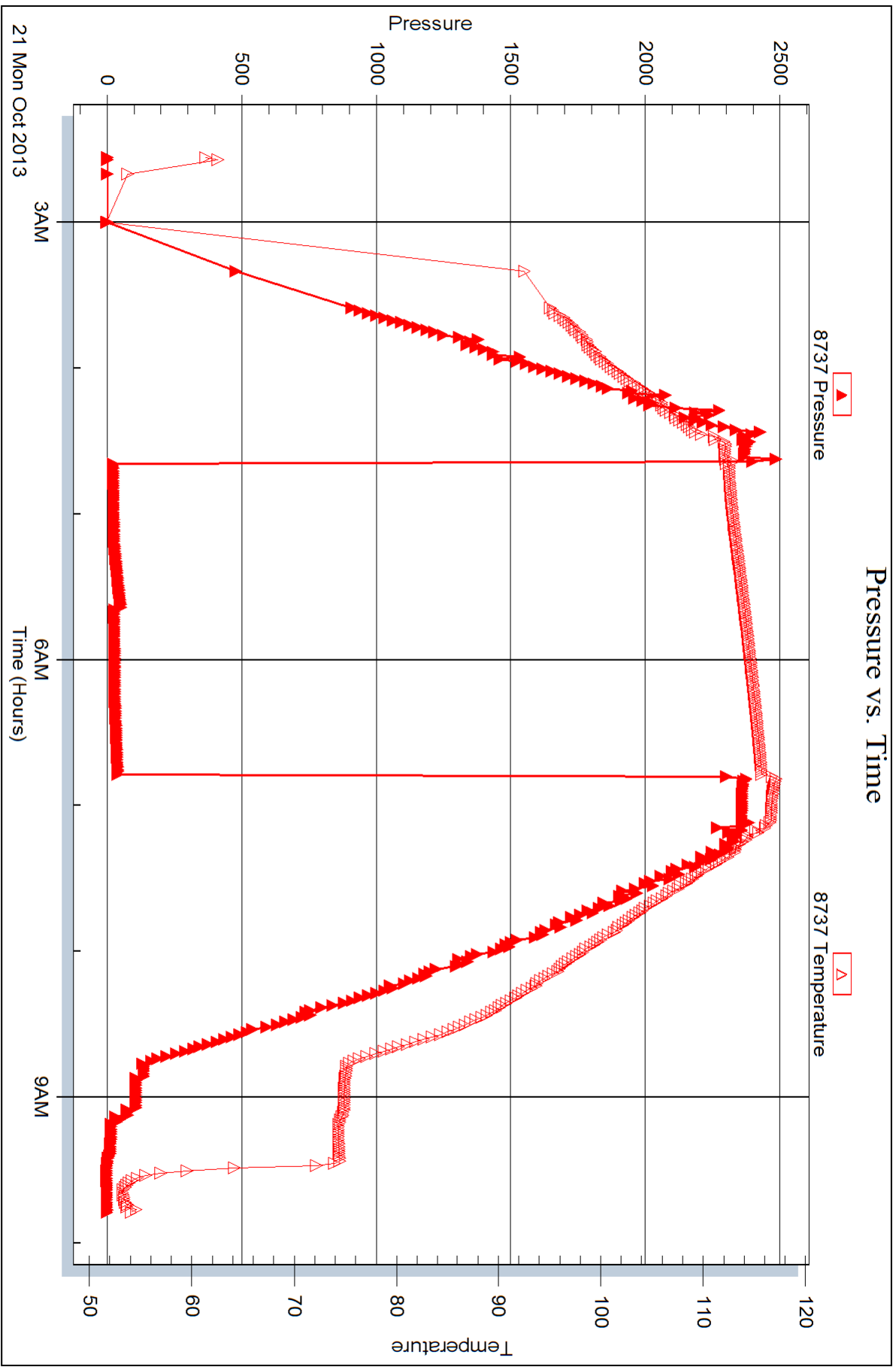


Serial #: 8737

Outside American Warrior Inc.

OBrate-Gray #1-4

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67842

ATTN: Kevin Timson

O'Brate-Gray #1-4

4-25s-29w-Gray,KS

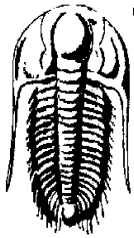
Start Date: 2013.10.21 @ 22:14:00

End Date: 2013.10.22 @ 04:56:00

Job Ticket #: 54742 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.10.24 @ 14:23:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

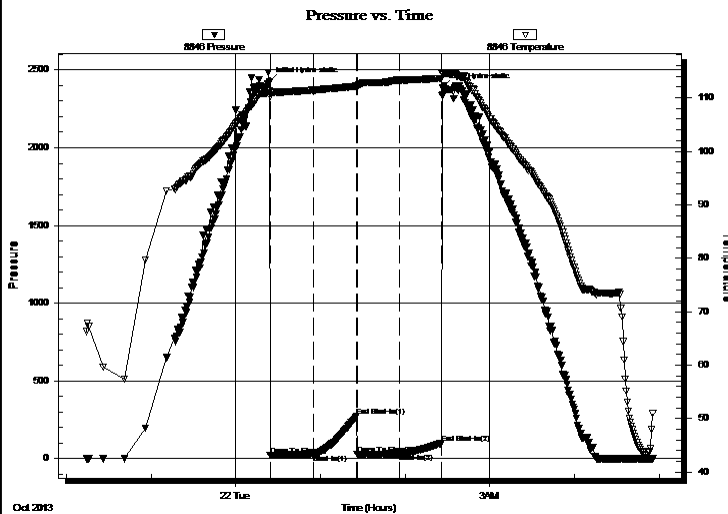
4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54742 **DST#: 4**
Test Start: 2013.10.21 @ 22:14:00

GENERAL INFORMATION:

Formation: **Morrow - St. Louis**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 00:24:15 Tester: Sam Esparza
Time Test Ended: 04:56:00 Unit No: 65
Interval: 4837.00 ft (KB) To 4933.00 ft (KB) (TVD) Reference Elevations: 2816.00 ft (KB)
Total Depth: 4933.00 ft (KB) (TVD) 2805.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8846 Inside
Press @ Run Depth: 30.73 psig @ 4838.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.10.21 End Date: 2013.10.22 Last Calib.: 2013.10.22
Start Time: 22:14:15 End Time: 04:56:00 Time On Btm: 2013.10.22 @ 00:24:00
Time Off Btm: 2013.10.22 @ 02:26:45

TEST COMMENT: IF: 1/4" Blow .
IS: No Return.
FF: No Blow .
FS: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2422.57	111.25	Initial Hydro-static
1	20.37	110.20	Open To Flow (1)
31	26.36	111.41	Shut-In(1)
62	272.37	112.16	End Shut-In(1)
62	27.69	112.10	Open To Flow (2)
92	30.73	113.30	Shut-In(2)
122	99.66	113.66	End Shut-In(2)
123	2386.40	114.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m (Oil Spots)	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67842
ATTN: Kevin Timson

4-25s-29w-Gray, KS
O'Brate-Gray #1-4
Job Ticket: 54742 **DST#: 4**
Test Start: 2013.10.21 @ 22:14:00

Tool Information

Drill Pipe:	Length: 4550.00 ft	Diameter: 3.80 inches	Volume: 63.82 bbl	Tool Weight:	2500.00 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: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 65.19 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4837.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	96.00 ft				
Tool Length:	125.00 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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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4809.00	
Shut In Tool	5.00			4814.00	
Hydraulic tool	5.00			4819.00	
Jars	5.00			4824.00	
Safety Joint	3.00			4827.00	
Packer	5.00			4832.00	29.00 Bottom Of Top Packer
Packer	5.00			4837.00	
Stubb	1.00			4838.00	
Recorder	0.00	8846	Inside	4838.00	
Recorder	0.00	8737	Outside	4838.00	
Perforations	25.00			4863.00	
Change Over Sub	1.00			4864.00	
Drill Pipe	63.00			4927.00	
Change Over Sub	1.00			4928.00	
Bullnose	5.00			4933.00	96.00 Bottom Packers & Anchor

Total Tool Length: 125.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

4-25s-29w-Gray,KS

PO Box 399
Garden City, KS 67842

O'Brate-Gray #1-4

Job Ticket: 54742

DST#: 4

ATTN: Kevin Timson

Test Start: 2013.10.21 @ 22:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m (Oil Spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

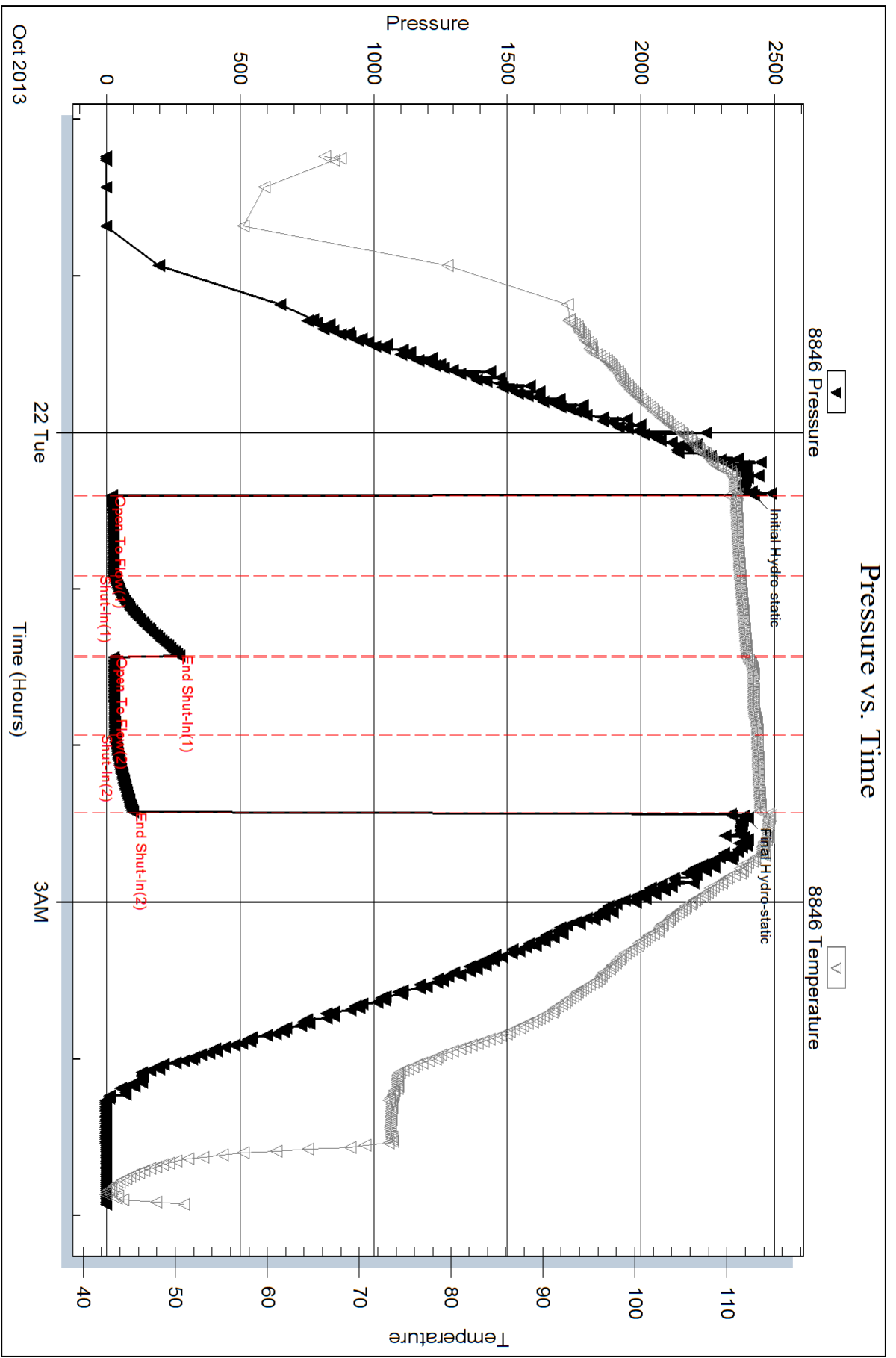
Num Gas Bombs: 0

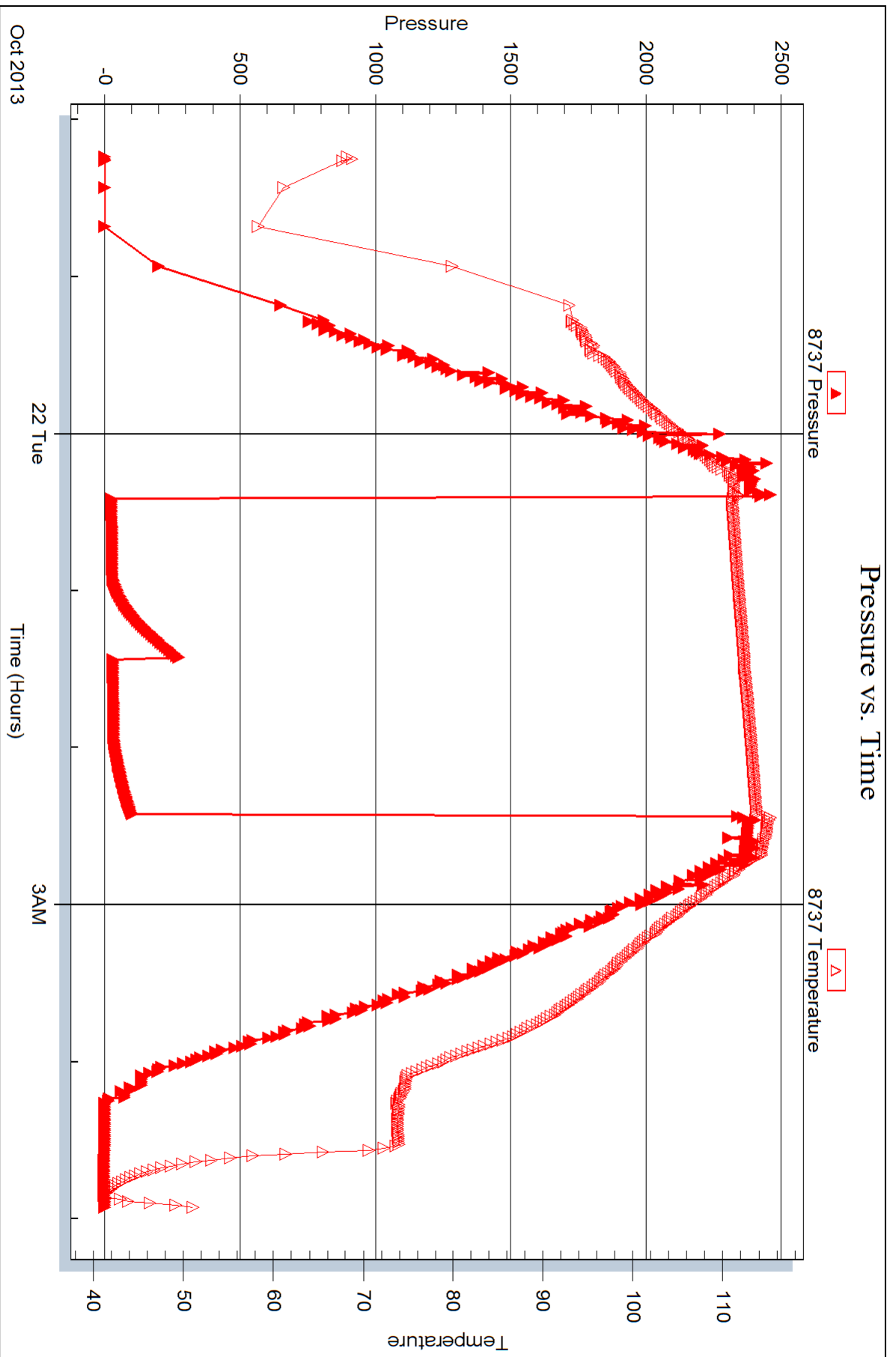
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54739

Well Name & No. O'Brate - Gray #1-4 Test No. 1 Date 10/18/13
 Company American Warrior Inc. Elevation 2816 KB 2805 GL
 Address 3118 Cummings Road Garden city, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 4 Twp. 25 S Rge. 29 W Co. Gray State KS

Interval Tested 4684-4750 Zone Tested Pawnee - Ft. Scott
 Anchor Length 66 Drill Pipe Run 4392 Mud Wt. 9.4
 Top Packer Depth 4680 Drill Collars Run 278 Vis 53
 Bottom Packer Depth 4684 Wt. Pipe Run Ø WL 11.6
 Total Depth 4750 Chlorides 2000 ppm System LCM 1

Blow Description IF: Deviation tool lost/stuck in pipe
 ISL: Standby! Could NOT locate so they sent
 FF: me home until then.
 FSI:

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>N/A</u>	Feet of <u>N/A</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity → API RW → @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test _____ T-On Location 23:20
 (B) First Initial Flow _____ Jars _____ T-Started 3:31
 (C) First Final Flow _____ Safety Joint _____ T-Open N/A
 (D) Initial Shut-In _____ Circ Sub N/C _____ T-Pulled N/A
 (E) Second Initial Flow _____ Hourly Standby X10 1/2 _____ T-Out 12:11
 (F) Second Final Flow _____ Mileage 126 R/T 195.30 _____ Comments Projected time
 (G) Final Shut-In _____ Sampler _____ Out 1:30 am
 (H) Final Hydrostatic _____ Straddle _____ just charge 1 day standby
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 800
 Day Standby _____ Total 995.30
 Accessibility _____ MP/DST Disc't _____

Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____
 Sub Total 195.30

Approved By _____ Our Representative SE Sam Esparza/Comediant
 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. 54740

Well Name & No. O'Brate-Gray #1-4 Test No. 2 Date 10/19/13
 Company American Warrior Inc. Elevation 2816 KB 2805 GL
 Address 3118 Cummings Road Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 4 Twp. 26S Rge. 29W Co. Gray State KS

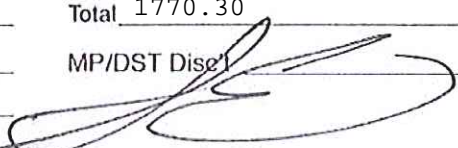
Interval Tested 4684-4750 Zone Tested Pawnee - Ft. Scott
 Anchor Length 66' Drill Pipe Run 4392 Mud Wt. 9.2
 Top Packer Depth 4680 Drill Collars Run 278 Vis 54
 Bottom Packer Depth 4684 Wt. Pipe Run Ø WL 8.8
 Total Depth 4750 Chlorides 4800 ppm System LCM 1

Blow Description IF: 2" Blow.
ISI: NO Return.
FF: 3/4" Blow.
FST: NO Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>Mud (oil 5mm on top)</u>			<u>100</u>	
	<u>light gassy odor</u>				

Rec Total 130 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2354 Test 1250 T-On Location 21:30
 (B) First Initial Flow 25 Jars 250 T-Started 21:36
 (C) First Final Flow 54 Safety Joint 75 T-Open 00:08
 (D) Initial Shut-In 1222 Circ Sub N/C T-Pulled 3:15
 (E) Second Initial Flow 58 Hourly Standby — T-Out 5:40
 (F) Second Final Flow 80 Mileage 126 R/T 195.30 Comments —
 (G) Final Shut-In 1185 Sampler —
 (H) Final Hydrostatic 2337 Straddle — Ruined Shale Packer —

Initial Open 45 Shale Packer — Ruined Packer —
 Initial Shut-In 45 Extra Packer — Extra Copies —
 Final Flow 45 Extra Recorder — Sub Total 0
 Final Shut-In 45 Day Standby — Total 1770.30
 Accessibility — MP/DST Disc —
 Sub Total 1770.30

Approved By _____ Our Representative 

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54741

Well Name & No. O'Boate - Gray #1-4 Test No. 3 Date 10/21/13
 Company American Warrior, Inc. Elevation 2816 KB 2805 GL
 Address 3118 Cummings Road Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 4 Twp. 25 S Rge. 29 W Co. Gray State KS

Interval Tested 4836 - 4897 Zone Tested Morrow
 Anchor Length 61' Drill Pipe Run 4549 Mud Wt. 9.5
 Top Packer Depth 4832 Drill Collars Run 278 Vis 49
 Bottom Packer Depth 4836 Wt. Pipe Run Ø WL 8.8
 Total Depth 4897 Chlorides 3600 ppm System LCM 1

Blow Description IF: 1/4" Blow died back to a weak surface Blow.
ISI: No Return.

FF: NO Blow.
FSI: No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud (oil spots)</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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2390</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>2:20</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2:33</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:40</u>
(D) Initial Shut-In <u>51</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>6:49</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:48</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>126 R/T</u> 195.30	Comments <u>pulled late</u>
(G) Final Shut-In <u>38</u>	<input type="checkbox"/> Sampler	<u>had to wait on crew</u>
(H) Final Hydrostatic <u>2351</u>	<input type="checkbox"/> Straddle	<u>Shift Change</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1770.30</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1770.30</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54742

Well Name & No. O'Brate Gray #1-4 Test No. 4 Date 10/21/13
 Company American Warrior, Inc. Elevation 2816 KB 2805 GL
 Address 3118 Cummings Road Garden City, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 4 Twp. 25B Rge. 29W Co. Gray State KS

Interval Tested 4837-4933 Zone Tested Morrow / St Louis
 Anchor Length 96' Drill Pipe Run 4550 Mud Wt. 9.3
 Top Packer Depth 4833 Drill Collars Run 278 Vis 50
 Bottom Packer Depth 4837 Wt. Pipe Run 0 WL 8.8
 Total Depth 4933 Chlorides 3600 ppm System LCM 1

Blow Description IF: 1/4" Blow.
IST: No Return.
FF: No Blow.
FST: No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud (oil spots)</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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2423 Test 1250 T-On Location 21:45
 (B) First Initial Flow 20 Jars 250 T-Started 22:14
 (C) First Final Flow 26 Safety Joint 75 T-Open 00:24
 (D) Initial Shut-In 272 Circ Sub N/C T-Pulled 2:26
 (E) Second Initial Flow 28 Hourly Standby T-Out 4:56
 (F) Second Final Flow 31 Mileage 126 R/H 195.30 Comments 100 feet Tools
 (G) Final Shut-In 100 Sampler _____
 (H) Final Hydrostatic 2386 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1770.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1770.30

Approved By _____ Our Representative

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