



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Shadow #7-17

17-28s-30w Gray,KS

Start Date: 2014.11.28 @ 18:01:15

End Date: 2014.11.28 @ 23:37:00

Job Ticket #: 59223 DST #: 1

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

Printed: 2014.12.03 @ 15:58:30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

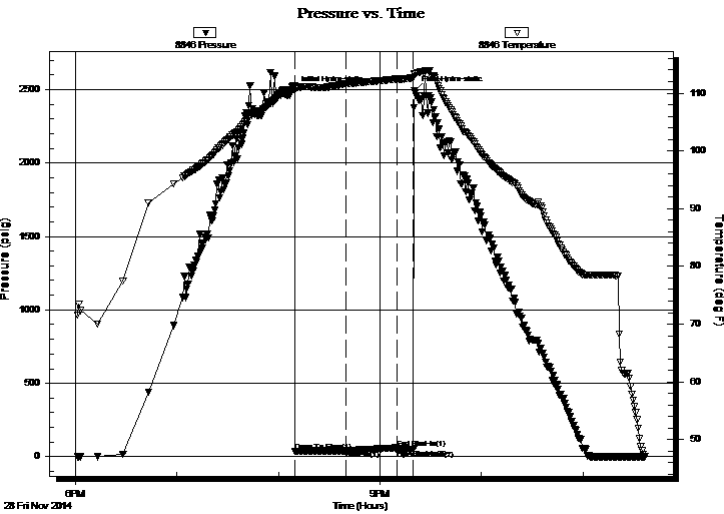
17-28s-30w Gray,KS
Shadow #7-17
 Job Ticket: 59223 **DST#: 1**
 Test Start: 2014.11.28 @ 18:01:15

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:09:45
 Time Test Ended: 23:37:00
 Interval: **5050.00 ft (KB) To 5119.00 ft (KB) (TVD)**
 Total Depth: 5119.00 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: 2806.00 ft (KB)
 2793.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8846 Inside
 Press@RunDepth: 40.97 psig @ 5055.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.28 End Date: 2014.11.28 Last Calib.: 2014.11.28
 Start Time: 18:01:15 End Time: 23:37:00 Time On Btm: 2014.11.28 @ 20:09:30
 Time Off Btm: 2014.11.28 @ 21:20:30

TEST COMMENT: IF: Built to very weak surface blow
 IS: No return blow
 FF: No blow
 FS: pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2495.18	111.28	Initial Hydro-static
1	37.36	110.68	Open To Flow (1)
31	40.97	111.62	Shut-In(1)
61	59.76	112.45	End Shut-In(1)
61	43.95	112.44	Open To Flow (2)
71	50.40	112.66	Shut-In(2)
71	2490.89	113.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

Gas Rates

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



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17-28s-30w Gray,KS

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Shadow #7-17

Job Ticket: 59223

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.11.28 @ 18:01:15

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:45

Time Test Ended: 23:37:00

Interval: **5050.00 ft (KB) To 5119.00 ft (KB) (TVD)**

Total Depth: 5119.00 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: 2806.00 ft (KB)

2793.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 5055.00 ft (KB)

Start Date: 2014.11.28

End Date:

2014.11.28

Start Time: 18:01:15

End Time:

23:37:15

Capacity: 8000.00 psig

Last Calib.:

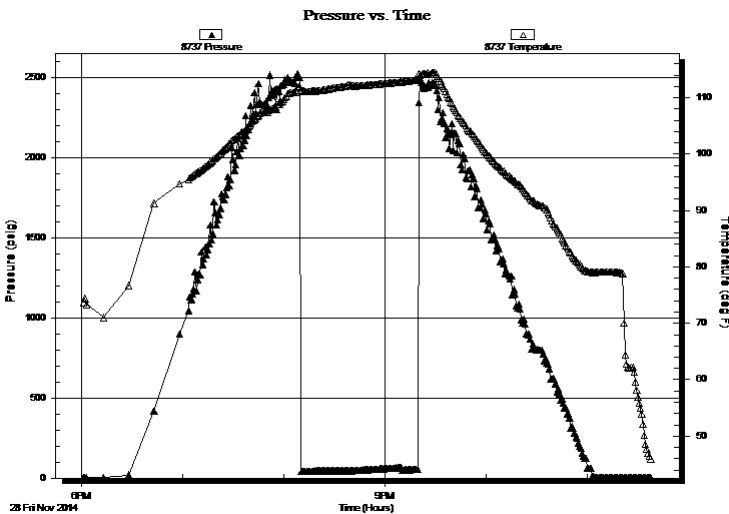
2014.11.28

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Built to very weak surface blow
IS: No return blow
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PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

17-28s-30w Gray,KS

PO Box 399
Garden City KS 67846

Shadow #7-17

Job Ticket: 59223

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.11.28 @ 18:01:15

Tool Information

Drill Pipe:	Length: 4863.00 ft	Diameter: 3.80 inches	Volume: 68.22 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 69.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	5050.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	69.00 ft				
Tool Length:	97.00 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			5023.00	
Shut In Tool	5.00			5028.00	
Hydraulic tool	5.00			5033.00	
Jars	5.00			5038.00	
Safety Joint	3.00			5041.00	
Packer	5.00			5046.00	28.00 Bottom Of Top Packer
Packer	4.00			5050.00	
Stubb	1.00			5051.00	
Perforations	4.00			5055.00	
Recorder	0.00	8846	Inside	5055.00	
Recorder	0.00	8737	Outside	5055.00	
Change Over Sub	1.00			5056.00	
Blank Spacing	32.00			5088.00	
Change Over Sub	1.00			5089.00	
Perforations	25.00			5114.00	
Bullnose	5.00			5119.00	69.00 Bottom Packers & Anchor
Total Tool Length:	97.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

17-28s-30w Gray,KS

PO Box 399
Garden City KS 67846

Shadow #7-17

Job Ticket: 59223

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.11.28 @ 18:01:15

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	mud 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

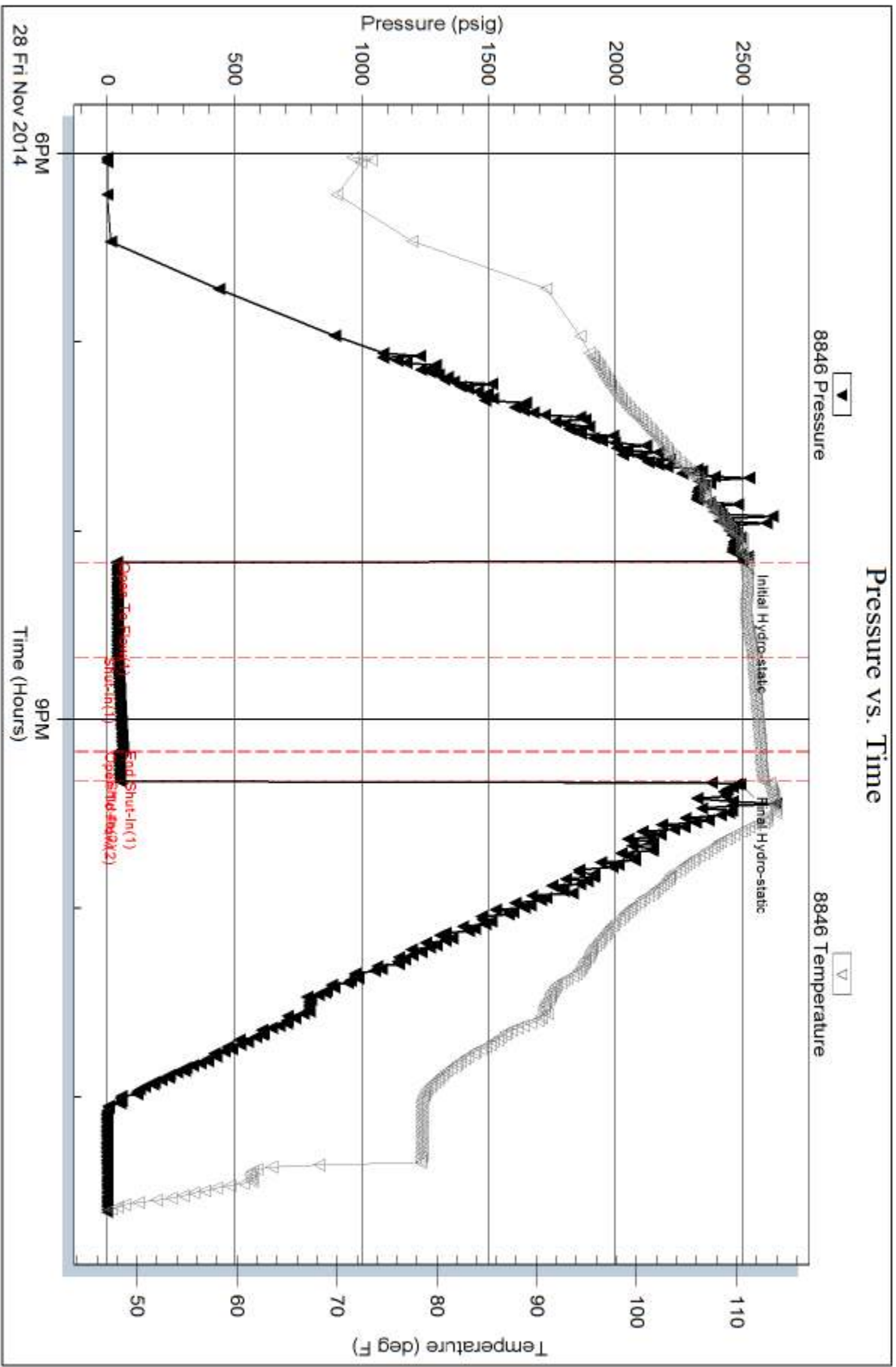
Serial #: 8846

Inside

American Warrior Inc.

Shadow #7-17

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 59223

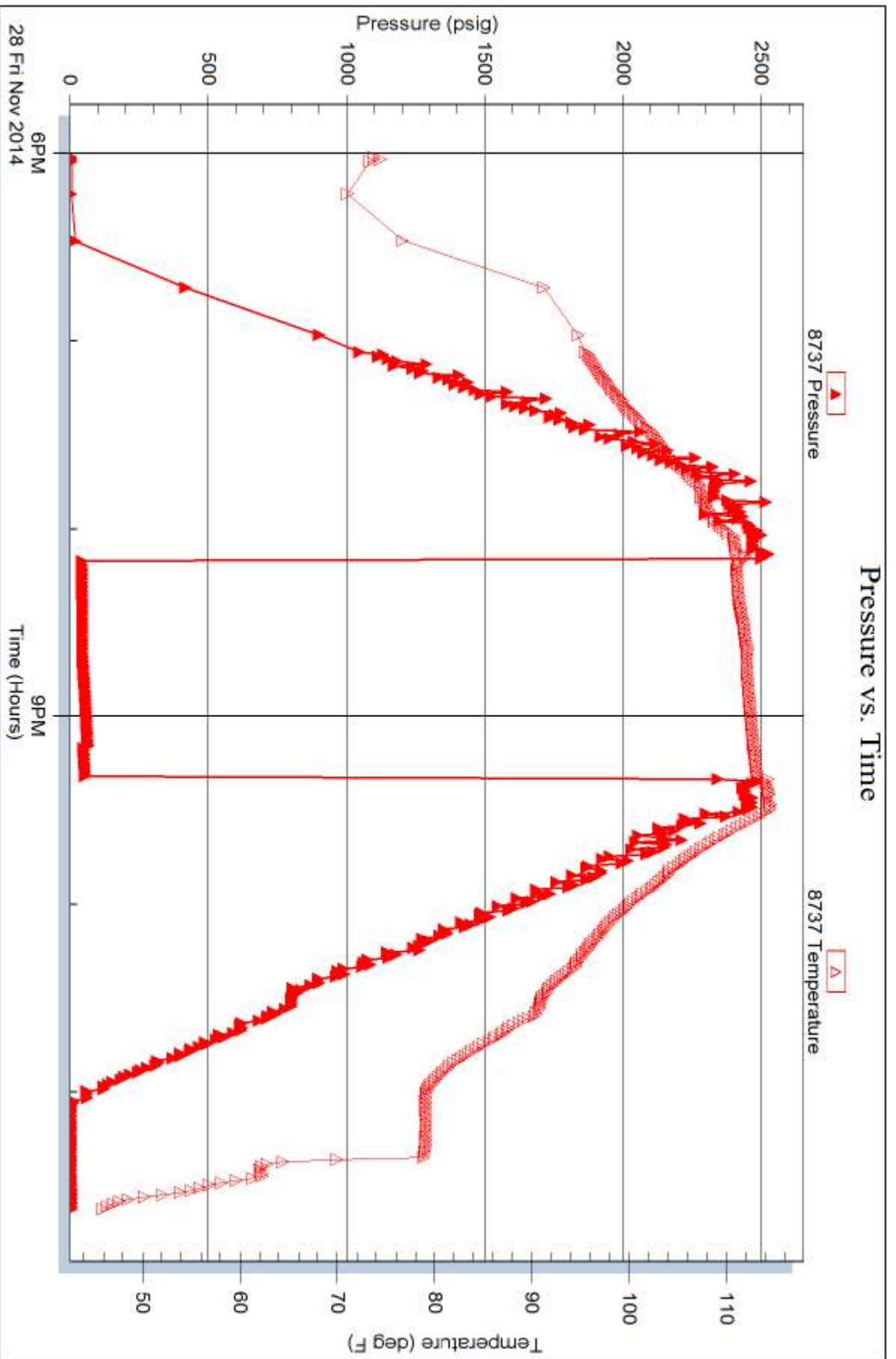
Printed: 2014, 12, 03 @ 15:58:31

Serial #: 8737

Outside American Warrior Inc.

Shadow #7-17

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59223

Printed: 2014, 12, 03 @ 15:58:31



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59223

Well Name & No. Shadow #7-17 Test No. 1 Date 11-28-14
 Company American Warrior, Inc Elevation 2800 KB 2793 GL
 Address P.O. Box 399 ~~3118 Cummings Rd~~ Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 9
 Location: Sec. 17 Twp. 28 Rge. 30 Co. Gray State KS

Interval Tested 5050 - 5119 Zone Tested Morrow
 Anchor Length 69 Drill Pipe Run 4863 Mud Wt. 9.2
 Top Packer Depth 5045 Drill Collars Run 178 Vis 56
 Bottom Packer Depth 5050 Wt. Pipe Run 0 WL 8.0
 Total Depth 5119 Chlorides 5800 ppm System LCM 3

Blow Description IF: ~~0~~ Very Weak Surface Blow
IS: No Return Blow
FF: No Blow -
FS: Pulled.

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	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 110 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2495</u>	<input checked="" type="checkbox"/> Test <u>\$1350.00/-</u>	T-On Location <u>16:30</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250.00/-</u>	T-Started <u>18:01</u>
(C) First Final Flow <u>40</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00/-</u>	T-Open <u>20:10</u>
(D) Initial Shut-In <u>59</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>21:20</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>—</u>
(F) Second Final Flow <u>—</u>	<input checked="" type="checkbox"/> Mileage <u>166 RT 257.30/-</u>	Comments <u>Loaded</u>
(G) Final Shut-In <u>50</u>	<input type="checkbox"/> Sampler <u>mileage x 2</u>	<u>11:00 Am</u>
(H) Final Hydrostatic <u>2490</u>	<input type="checkbox"/> Straddle <u>111rt 172.05+172.05</u>	<u>11-29-14</u>

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In pull

Ruined Shale Packer
 Shale Packer
 Ruined Packer
 Extra Packer
 Extra Copies
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 0
 Total 2019.10
 MP/DST Disc't —

Sub Total \$1932.30/-

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.