

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

36-22-23 Hodgeman,KS

Hodgeman-O'Brate #3-36

Start Date: 2011.03.29 @ 09:50:00

End Date: 2011.03.29 @ 15:58:24

Job Ticket #: 42759 DST #: 1

KCC
APR 26 2011
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

P O Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Hodgeman-O'Brate #3-36

36-22-23 Hodgeman, KS

Job Ticket: 42759

DST#: 1

Test Start: 2011.03.29 @ 09:50:00

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:41:55

Time Test Ended: 15:58:24

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 4389.00 ft (KB) To 4452.00 ft (KB) (TVD)

Total Depth: 4452.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2257.00 ft (KB)

2246.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6625 Inside

Press@RunDepth: 113.37 psig @ 4392.00 ft (KB)

Start Date: 2011.03.29

End Date: 2011.03.29

Start Time: 09:50:00

End Time: 15:58:24

Capacity: 8000.00 psig

Last Calib.: 2011.03.29

Time On Btm: 2011.03.29 @ 11:39:25

Time Off Btm: 2011.03.29 @ 13:46:55

TEST COMMENT: IFF-strg bl in 6 min
ISIP-surface bl bk
FFP-strg bl in 5 min
FSIP-surface bl bk

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2117.54	104.00	Initial Hydro-static
3	44.40	104.15	Open To Flow (1)
17	76.42	108.22	Shut-In(1)
61	1448.30	114.70	End Shut-In(1)
62	84.82	114.45	Open To Flow (2)
78	113.37	116.05	Shut-In(2)
124	1438.64	119.97	End Shut-In(2)
128	2099.45	120.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	560'GIP	0.00
30.00	HOCM 25%O75%M	0.15
90.00	MGO 10%G10%M80%O	0.44
150.00	CO	0.74

Gas Rates

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

American Warrior Inc

P O Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Hodgeman-O'Brate #3-36

36-22-23 Hodgeman, KS

Job Ticket: 42759

DST#: 1

Test Start: 2011.03.29 @ 09:50:00

Tool Information

Drill Pipe:	Length: 4071.00 ft	Diameter: 3.80 inches	Volume: 57.11 bbl	Tool Weight: 2200.00 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 95000.00 lb
		Total Volume: 58.59 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	4389.00 ft			Final 89000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4362.00	
Shut In Tool	5.00			4367.00	
Hydraulic tool	5.00			4372.00	
Jars	5.00			4377.00	
Safety Joint	2.00			4379.00	
Packer	5.00			4384.00	28.00 Bottom Of Top Packer
Packer	5.00			4389.00	
Stubb	1.00			4390.00	
Perforations	2.00			4392.00	
Recorder	0.00	6625	Inside	4392.00	
Recorder	0.00	8700	Outside	4392.00	
Blank Spacing	32.00			4424.00	
Perforations	25.00			4449.00	
Bullnose	3.00			4452.00	63.00 Bottom Packers & Anchor

Total Tool Length: 91.00



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FLUID SUMMARY

American Warrior Inc

Hodgeman-O'Brate #3-36

P O Box 399
Garden City KS 67846

36-22-23 Hodgeman, KS

ATTN: Cecil O'Brate

Job Ticket: 42759

DST#: 1

Test Start: 2011.03.29 @ 09:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	560'GIP	0.000
30.00	HOCM 25%O75%M	0.148
90.00	MGO 10%G10%M80%O	0.443
150.00	CO	0.738

Total Length: 270.00 ft

Total Volume: 1.329 bbl

Num Fluid Samples: 0

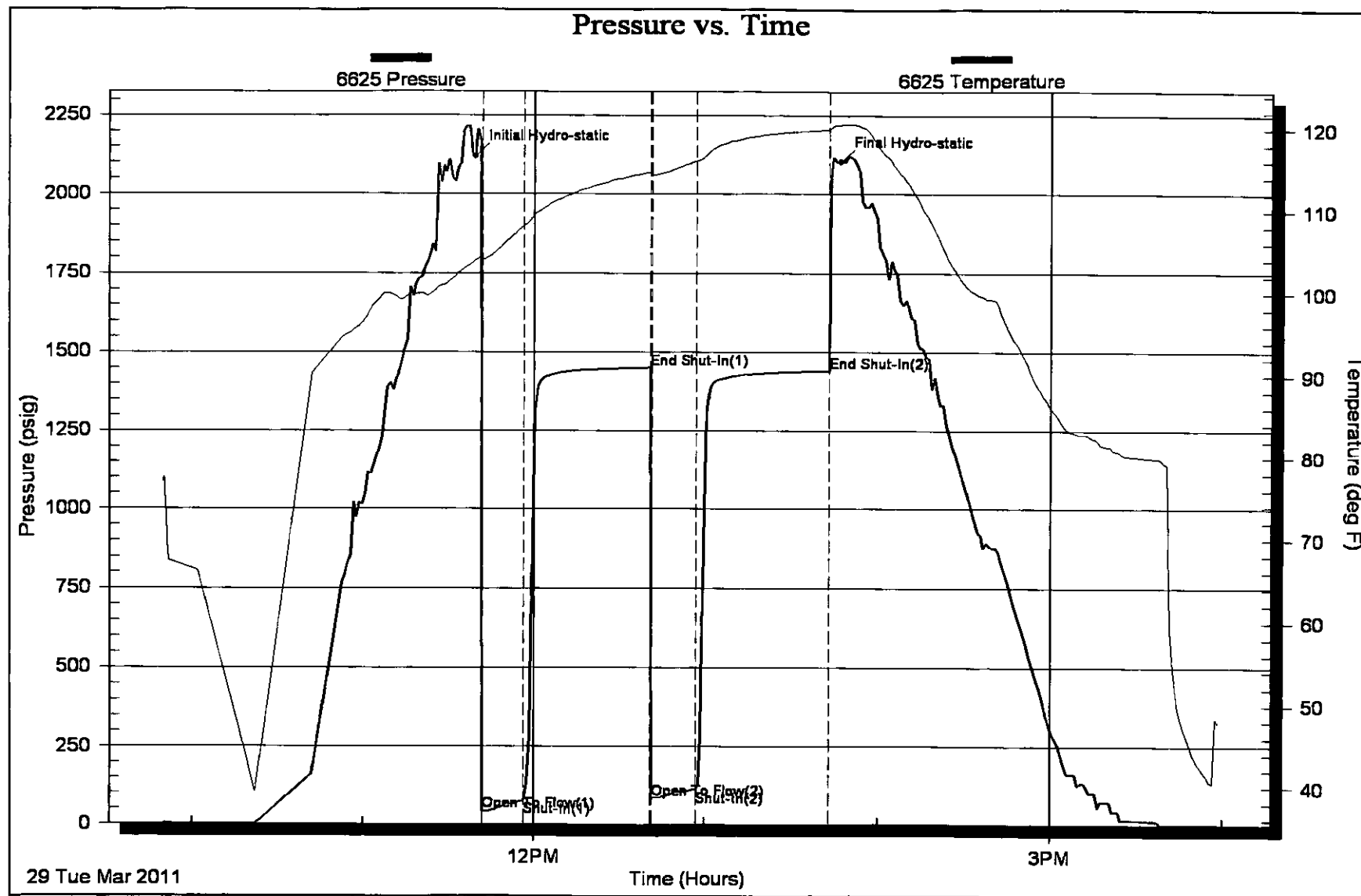
Num Gas Bombs: 0

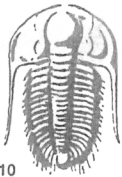
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 042759 15559

4/10

Well Name & No. Hodgeman - O'Brate #3-36 Test No. 1 Date 3-29-11
Company AMERICAN WARRIOR Elevation 2257 KB 2246 GL
Address PO Box 399 Garden City, KS 67846
Co. Rep / Geo. HARLEY SAYLES Rig Duke rig 5
Location: Sec. 36 Twp. 22 Rge. 23 Co. H State Ks

Interval Tested 4389-4452 Zone Tested M155
Anchor Length 63 Drill Pipe Run 4071 Mud Wt. 9.2
Top Packer Depth 4384 Drill Collars Run 300 Vis 53
Bottom Packer Depth 4389 Wt. Pipe Run — WL 8.8
Total Depth 4452 Chlorides 4000 ppm System LCM 2#

Blow Description IFP - STRONG Blow IN 6 min
ISIP - SURFACE Blow BACK
FFP - STRONG Blow IN 5 min
FSIP - SURFACE Blow BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>560</u>	<u>GTP</u>				
<u>30</u>	<u>HOCM</u>				
<u>90</u>	<u>MGO</u>	<u>10</u>	<u>80</u>		
<u>150</u>	<u>CO</u>				

Rec Total 270 BHT 120 Gravity 39 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2117
(B) First Initial Flow 44
(C) First Final Flow 76
(D) Initial Shut-In 1448
(E) Second Initial Flow 84
(F) Second Final Flow 113
(G) Final Shut-In 1438
(H) Final Hydrostatic 2099

☒ Test 1225
☒ Jars 250
☒ Safety Joint 75
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 160 RT 200
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1750

T-On Location 0900
T-Started 0955
T-Open 1150
T-Pulled 1350
T-Out 1558

Comments

Initial Open 15
Initial Shut-In 45
Final Flow 15
Final Shut-In 45

☐ Ruined Shale Packer
☐ Ruined Packer

☐ Extra Copies

Sub Total 8

Total 1750

MP/DST Disc't

Approved By Harley Sayles

Our Representative Ray Schwager thank you

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