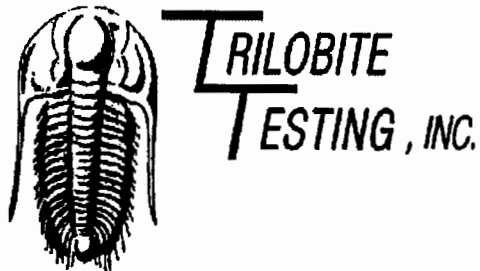


15-083-21622

11-215-25w



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

11 21 25 Hodgeman KS

Nuss #1-11

Start Date: 2010.01.18 @ 00:56:56

End Date: 2010.01.18 @ 06:25:26

Job Ticket #: 37185 DST #: 1

KCC
MAR 23 2010
CONFIDENTIAL

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MAR 24 2010
KCC WICHITA

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.

Nuss #1-11

PO Box 399
Garden City KS 67846

11 21 25 Hodgeman KS

Job Ticket: 37185

DST#: 1

ATTN: Jason Alm

Test Start: 2010.01.18 @ 00:56:56

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 06:25:26

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: #47

Interval: 4412.00 ft (KB) To 4425.00 ft (KB) (TVD)

Total Depth: 4425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2313.00 ft (KB)

2302.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8369 Inside

Press@RunDepth: psig @ 4416.00 ft (KB)

Start Date: 2010.01.18

End Date:

2010.01.18

Capacity: 8000.00 psig

Last Calib.: 2010.01.18

Start Time: 00:57:01

End Time:

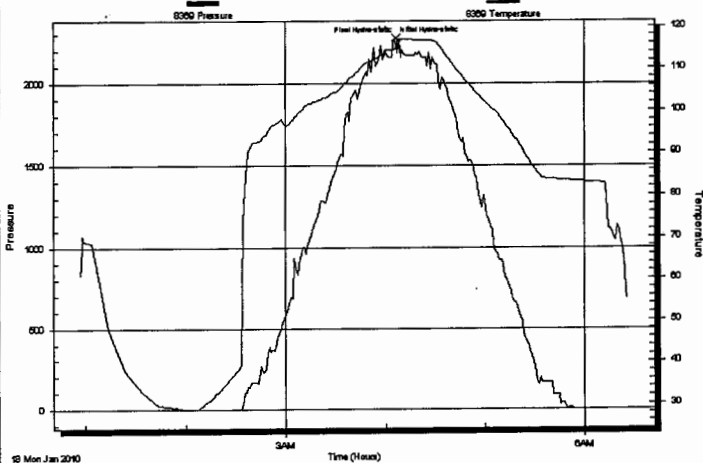
06:25:25

Time On Btm: 2010.01.18 @ 04:04:56

Time Off Btm: 2010.01.18 @ 04:08:26

TEST COMMENT: Miss-Run

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.60	114.37	Initial Hydro-static
4	2260.58	116.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	mud	0.89

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

Nuss #1-11

PO Box 399
Garden City KS 67846

11 21 25 Hodgeman KS

Job Ticket: 37185

DST#: 1

ATTN: Jason Alm

Test Start: 2010.01.18 @ 00:56:56

Tool Information

Drill Pipe:	Length: 4087.00 ft	Diameter: 3.80 inches	Volume: 57.33 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	58.83 bbl	Tool Chased	ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4412.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	40.00 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Jars	4.00			4400.00	
Safety Joint	3.00			4403.00	
Packer	4.00			4407.00	27.00 Bottom Of Top Packer
Packer	5.00			4412.00	
Stubb	1.00			4413.00	
Perforations	3.00			4416.00	
Recorder	0.00	8319	Inside	4416.00	
Recorder	0.00	8369	Inside	4416.00	
Perforations	6.00			4422.00	
Bullnose	3.00			4425.00	13.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Nuss #1-11

PO Box 399
Garden City KS 67846

11 21 25 Hodgeman KS

Job Ticket: 37185

DST#: 1

ATTN: Jason Alm

Test Start: 2010.01.18 @ 00:56:56

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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	mud	0.885

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

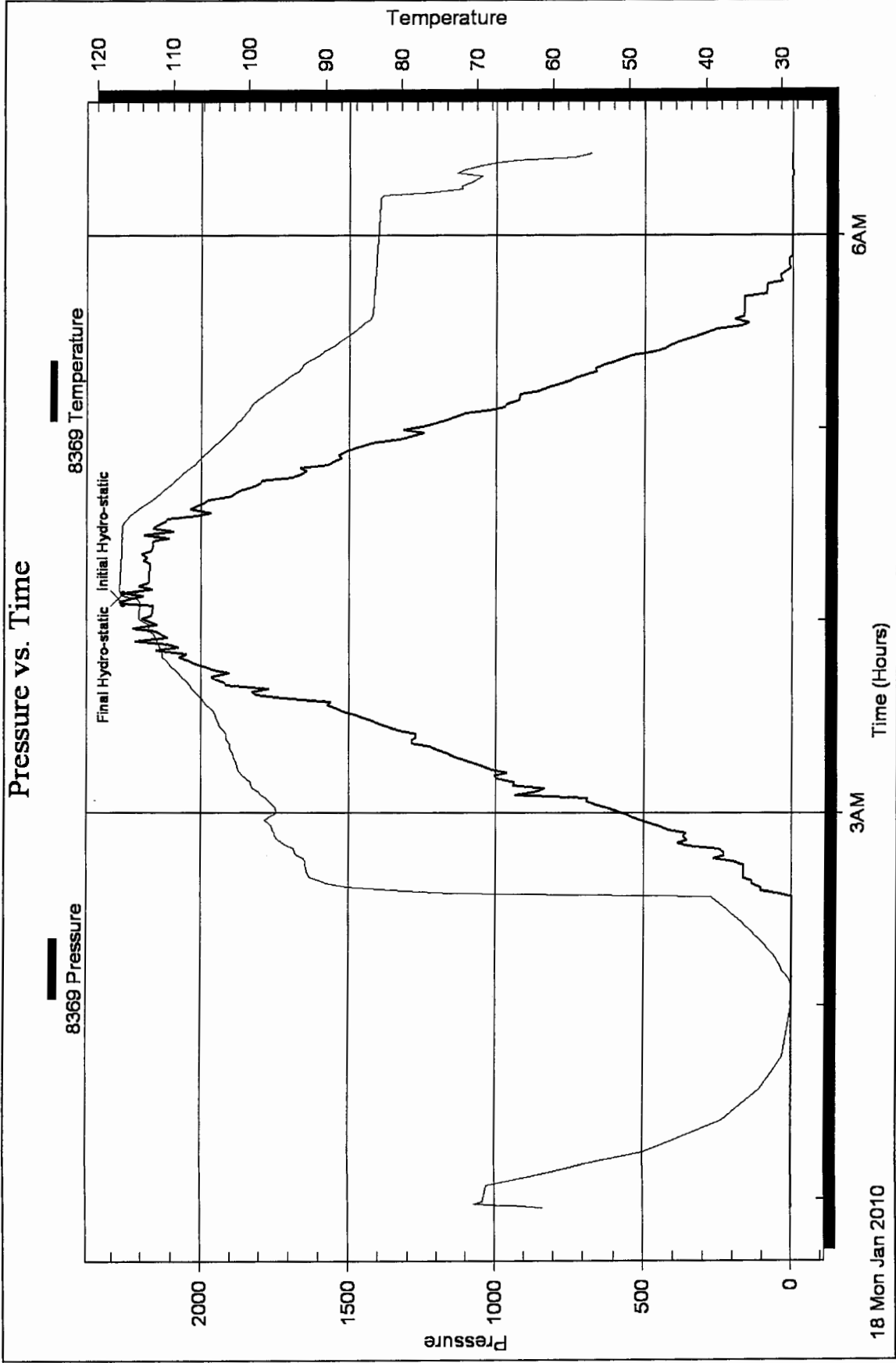
Laboratory Location:

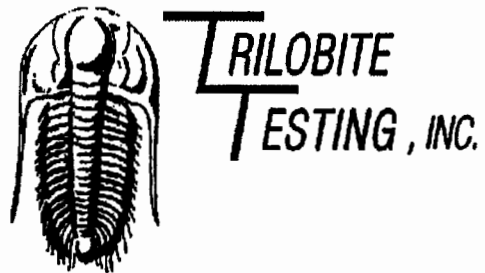
Recovery Comments:

Serial #: 8369

Inside American Warrior, Inc.

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

11 21 25 Hodgeman KS

Nuss #1-11

Start Date: 2010.01.18 @ 06:42:02

End Date: 2010.01.18 @ 13:41:32

Job Ticket #: 37186 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Nuss #1-11

11 21 25 Hodgeman KS

Job Ticket: 37186

DST#: 2

Test Start: 2010.01.18 @ 06:42:02

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:41:32

Time Test Ended: 13:41:32

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **#47**

Interval: **4382.00 ft (KB) To 4425.00 ft (KB) (TVD)**

Total Depth: **4425.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Reference Elevations: **2313.00 ft (KB)**

2302.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 8369

Inside

Press@RunDepth: **156.32 psig @ 4386.00 ft (KB)**

Start Date: **2010.01.18**

End Date:

2010.01.18

Start Time: **06:42:07**

End Time:

13:41:31

Capacity: **8000.00 psig**

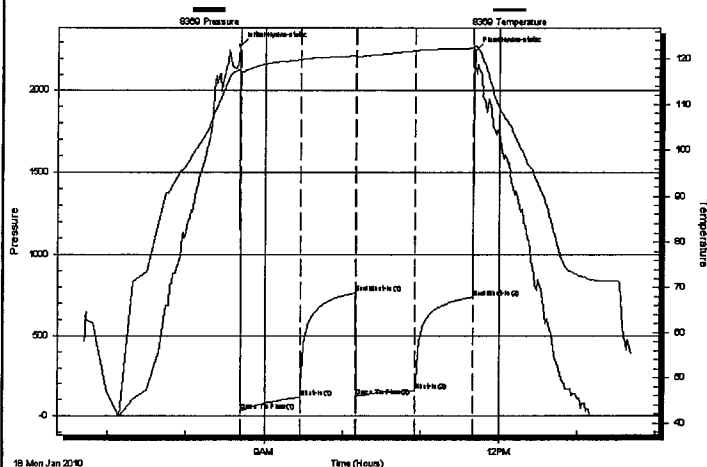
Last Calib.: **2010.01.18**

Time On Btm: **2010.01.18 @ 08:40:32**

Time Off Btm: **2010.01.18 @ 11:41:01**

TEST COMMENT: IF-6.5in blow
ISI-No blow
FF-2.25in blow
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

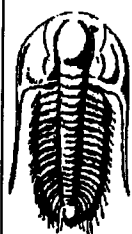
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.18	117.44	Initial Hydro-static
1	29.95	116.91	Open To Flow (1)
47	115.60	119.79	Shut-In(1)
89	762.61	120.63	End Shut-In(1)
90	121.13	120.46	Open To Flow (2)
135	156.32	121.69	Shut-In(2)
179	737.09	122.28	End Shut-In(2)
181	2245.94	122.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM 5%G 45%O 50%M	0.89
150.00	MCO 10%G 50%O 40%M	0.97
30.00	Free oil 5%G 95%O	0.42
0.00	120ft GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

Nuss #1-11

PO Box 399
Garden City KS 67846

11 21 25 Hodgeman KS

Job Ticket: 37186

DST#: 2

ATTN: Jason Alm

Test Start: 2010.01.18 @ 06:42:02

Tool Information

Drill Pipe:	Length: 4087.00 ft	Diameter: 3.80 inches	Volume: 57.33 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	58.83 bbl	Tool Chased	ft
Drill Pipe Above KB:	37.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4382.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	70.00 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			4356.00	
Shut In Tool	5.00			4361.00	
Hydraulic tool	5.00			4366.00	
Jars	4.00			4370.00	
Safety Joint	3.00			4373.00	
Packer	4.00			4377.00	27.00 Bottom Of Top Packer
Packer	5.00			4382.00	
Stubb	1.00			4383.00	
Perforations	3.00			4386.00	
Recorder	0.00	8319	Inside	4386.00	
Recorder	0.00	8369	Inside	4386.00	
Change Over Sub	1.00			4387.00	
Blank Spacing	31.00			4418.00	
Change Over Sub	1.00			4419.00	
Perforations	3.00			4422.00	
Bullnose	3.00			4425.00	43.00 Bottom Packers & Anchor
Total Tool Length:	70.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Nuss #1-11

PO Box 399
Garden City KS 67846

11 21 25 Hodgeman KS

Job Ticket: 37186

DST#: 2

ATTN: Jason Alm

Test Start: 2010.01.18 @ 06:42:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OCM 5%G 45%O 50%M	0.885
150.00	MCO 10%G 50%O 40%M	0.965
30.00	Free oil 5%G 95%O	0.421
0.00	120ft GIP	0.000

Total Length: 360.00 ft

Total Volume: 2.271 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

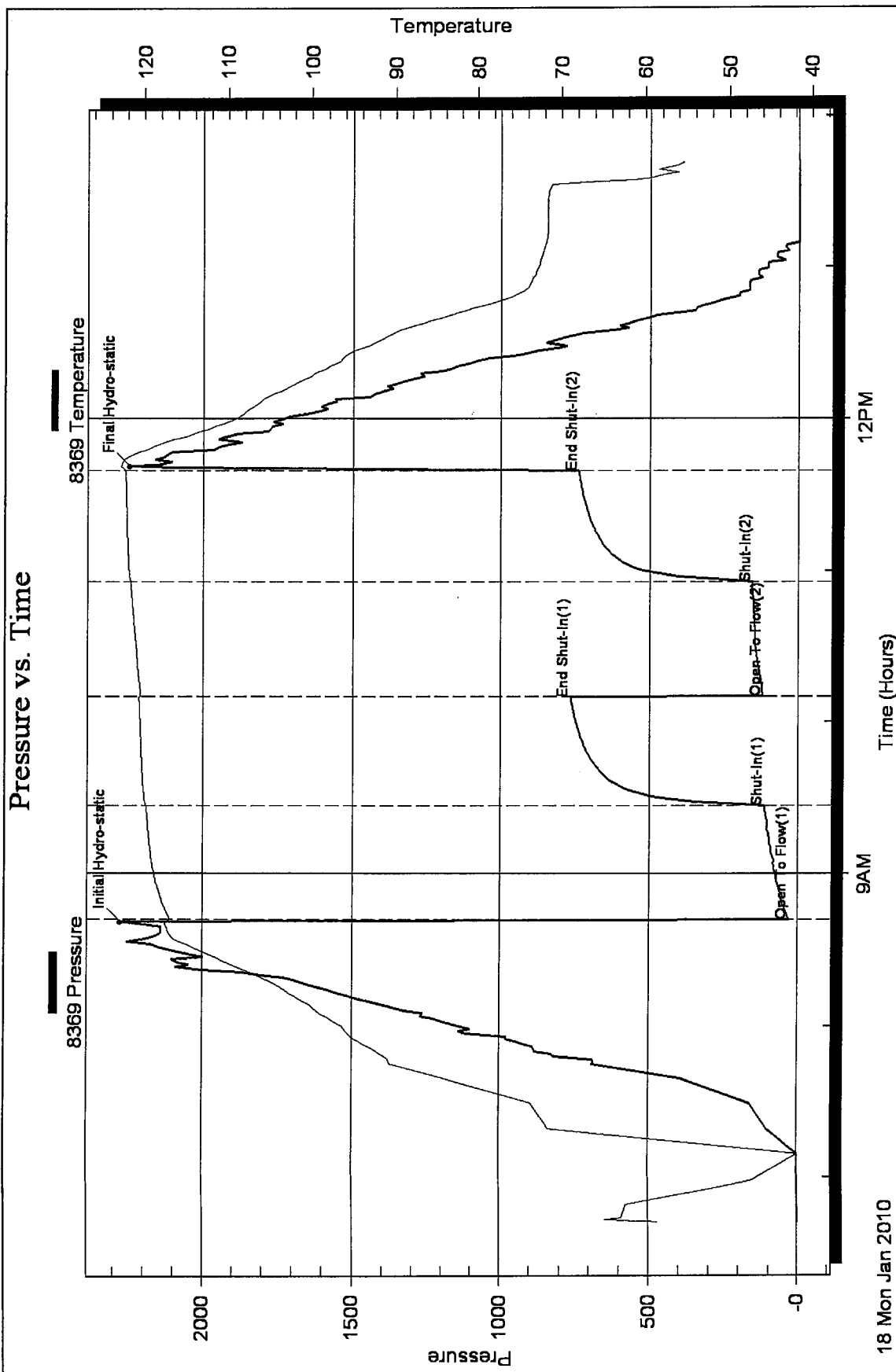
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 19 2010

Test Ticket

NO. 37185

13831

Well Name & No. Nuss #1-11 Test No. 1 Date 1-18-10
Company American Warrior Elevation 2313 KB 2302 GL
Address Garden City KS 67846 PO Box 399
Co. Rep / Geo. Jason Alm Rig Duke 5
Location: Sec. 11 Twp. 21s Rge. 25w Co. Hodgeman State KS

Interval Tested 4412 - 4425 Zone Tested MISS
Anchor Length 13 Drill Pipe Run _____ Mud Wt. 9.1
Top Packer Depth 4407 Drill Collars Run 305 Vis 44
Bottom Packer Depth 4412 Wt. Pipe Run _____ WL 8.0
Total Depth 4425 Chlorides 3300 ppm System LCM 2
Blow Description FX - Mis-run
FX -
FX -
FX -

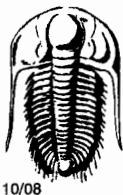
Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____	☒ Test <u>950</u>	T-On Location <u>23:38</u>
(B) First Initial Flow _____	☒ Jars <u>250</u>	T-Started <u>1:00</u>
(C) First Final Flow _____	☒ Safety Joint <u>75</u>	T-Open _____
(D) Initial Shut-In _____	☐ Circ Sub _____	T-Pulled _____
(E) Second Initial Flow _____	☐ Hourly Standby _____	T-Out <u>6:28</u>
(F) Second Final Flow _____	☒ Mileage <u>852</u> <u>170</u>	Comments _____
(G) Final Shut-In _____	☐ Sampler _____	
(H) Final Hydrostatic _____	☐ Straddle _____	
Initial Open _____	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In _____	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow _____	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In _____	☐ Day Standby _____	Sub Total <u>0</u>
	☐ Accessibility _____	Total <u>1445</u>
	Sub Total <u>1445</u>	

Approved By _____ Our Representative Ant J

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 19 2010

Test Ticket

NO. 37186

Well Name & No. Nuss #1-11 Test No. 2 Date 1-18-10
Company American Warrior Elevation 2313 KB 2302 GL
Address Garden City KS 67846 PO Box 399
Co. Rep / Geo. Jasen Alm Rig Duke 5
Location: Sec. 11 Twp. 21S Rge. 25W Co. Hodgeman State KS

Interval Tested 4382-4425 Zone Tested Miss.
Anchor Length 43 Drill Pipe Run _____ Mud Wt. 9.1
Top Packer Depth 4377 Drill Collars Run 305 Vis 44
Bottom Packer Depth 4382 Wt. Pipe Run _____ WL 8.0
Total Depth 4425 Chlorides 3300 ppm System LCM 2
Blow Description IF-6 1/2 in blow
FSI-No blow
FF-2 1/4 in blow
FSI-No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>Frac A1</u>	<u>5</u>	<u>95</u>		
<u>150</u>	<u>OCM</u>	<u>5</u>	<u>45</u>		<u>50</u>
<u>150</u>	<u>MCO</u>	<u>10</u>	<u>50</u>		<u>40</u>
Rec _____	Feet of <u>120ft GIP</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 330 BHT _____ Gravity 40 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2275</u>	☒ Test <u>1150</u>	T-On Location <u>23:38</u>
(B) First Initial Flow <u>29</u>	☒ Jars <u>250</u>	T-Started <u>6:40</u>
(C) First Final Flow <u>115</u>	☒ Safety Joint <u>75</u>	T-Open <u>8:39</u>
(D) Initial Shut-In <u>762</u>	☐ Circ Sub _____	T-Pulled <u>11:38</u>
(E) Second Initial Flow <u>121</u>	☐ Hourly Standby _____	T-Out <u>13:41</u>
(F) Second Final Flow <u>156</u>	☒ Mileage <u>85X2</u>	Comments _____
(G) Final Shut-In <u>737</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>2167</u>	☐ Straddle _____	
Initial Open <u>9095</u>	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In <u>95</u>	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow <u>95</u>	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In <u>95</u>	☐ Day Standby _____	Sub Total <u>0</u>
	☐ Accessibility _____	Total <u>1475</u>
	Sub Total <u>1475</u>	

Approved By _____ Our Representative Burton
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.