

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.
P.O.Box 399
Garden City, Ks 67846
ATTN: Jason Alm

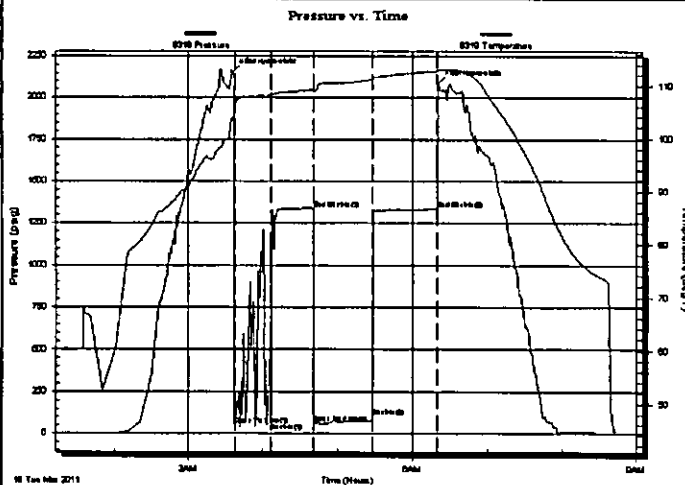
Schnlepp #3-31 NE
31/18S/21W-Ness
Job Ticket: 42776 **DST#: 1**
Test Start: 2011.03.15 @ 01:33:40

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 03:37:40
Time Test Ended: 08:43:10
Interval: **4228.00 ft (KB) To 4234.00 ft (KB) (TVD)**
Total Depth: **4234.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Floor**
Test Type: **Conventional Bottom Hole**
Tester: **Dustin Rash**
Unit No: **47**
Reference Elevations: **2126.00 ft (KB)**
2120.00 ft (CF)
KB to GR/CF: **6.00 ft**

Serial #: 8319 **Outside**
Press@RunDepth: **102.09 psig @ 4229.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.03.15** End Date: **2011.03.15** Last Calib.: **2011.03.15**
Start Time: **01:33:45** End Time: **08:43:09** Time On Btm: **2011.03.15 @ 03:35:40**
Time Off Btm: **2011.03.15 @ 06:20:10**

TEST COMMENT: IF-Few bubbles. Dead. Surface blow @ 9 minutes.
IS-No Return.
FF-Weak building blow. Built to 8 inches.
FS-No Return.



PRESSURE SUMMARY

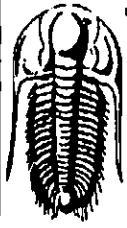
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.56	103.87	Initial Hydro-static
2	51.49	104.68	Open To Flow (1)
31	65.38	108.03	Shut-In(1)
65	1339.21	109.21	End Shut-In(1)
66	62.91	108.88	Open To Flow (2)
113	102.09	111.24	Shut-In(2)
164	1334.09	112.90	End Shut-In(2)
165	2082.85	113.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
166.00	40%Oil/30%Mud/20%Gas/10%Water	1.23

Gas Rates

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



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FLUID SUMMARY

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P.O.Box 399
Garden City, Ks 67846
ATTN: Jason Alm

Schnlepp #3-31 NE
31/18S/21W-Ness
Job Ticket: 42776 **DST#: 1**
Test Start: 2011.03.15 @ 01:33:40

Mud and Cushion Information

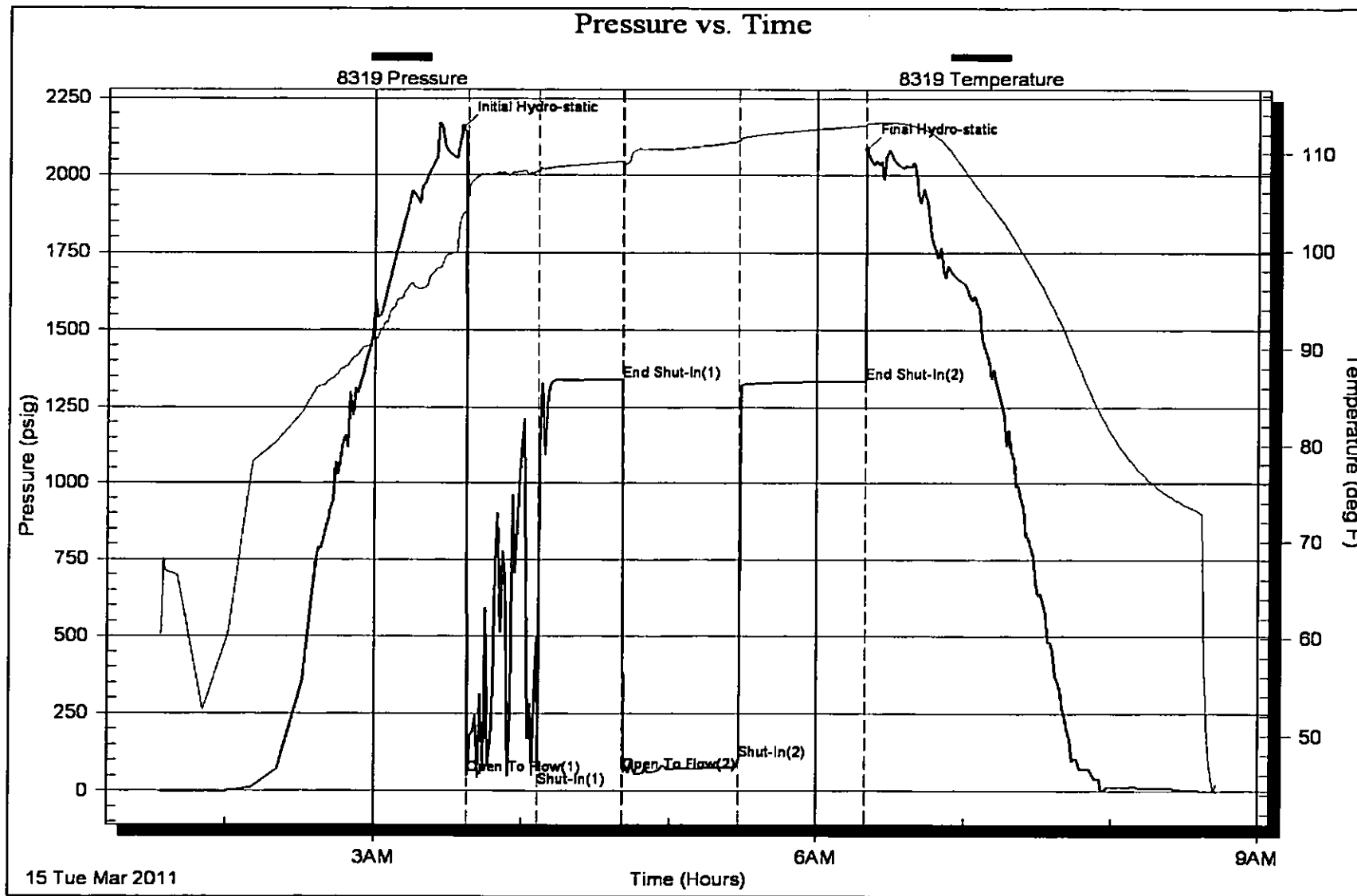
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: inches			

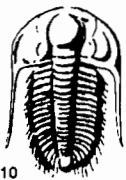
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
166.00	40%Oil/30%Mud/20%Gas/10%Water	1.226

Total Length: 166.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042716 15491

Well Name & No. Schniepp #3-31 NE Test No. 1 Date 3-14-11
 Company American Water, Inc. Elevation 2126 KB 2120 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 1
 Location: Sec. 31 Twp. 18S Rge. 21W Co. Ness State KS

Interval Tested 4228-4234 Zone Tested MISSISSIPPIAN
 Anchor Length 6' Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 4223 Drill Collars Run 121 Vis 61
 Bottom Packer Depth 4228 Wt. Pipe Run 60 WL 10.8
 Total Depth 4234 Chlorides 8200 ppm System LCM 0

Blow Description IF - Few bubbles. Dead. Surface blow @ 9 minutes.
IF - No Return.
FF - Weak building blow. Built to 8 inches.
IF - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>166</u>	<u>0/M/6/W</u>	<u>20</u>	<u>40</u>	<u>10</u>	<u>30</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 166 BHT 113 Gravity N/A API RW _____ @ _____ °F Chlorides N/A ppm

(A) Initial Hydrostatic <u>2155</u>	<input checked="" type="checkbox"/> Test <u>1225'</u>	T-On Location <u>2300</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>0135</u>
(C) First Final Flow <u>65</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>0337</u>
(D) Initial Shut-In <u>1339</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0610</u>
(E) Second Initial Flow <u>63</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0845</u>
(F) Second Final Flow <u>102</u>	<input checked="" type="checkbox"/> Mileage <u>50X2 125'</u>	Comments _____
(G) Final Shut-In <u>1334</u>	<input type="checkbox"/> Sampler _____	<u>BAT-0133</u>
(H) Final Hydrostatic <u>2083</u>	<input type="checkbox"/> Straddle _____	<u>Slid 4-6 feet.</u>

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

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 8
 Total 1675
 MP/DST Disc't _____
 Sub Total 1675

Approved By _____ Our Representative D. Rash

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