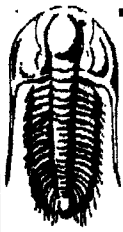


15-135-24757

20-19s-21w



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

American Warrior

Rein 2-20

PO Box 399  
Garden City, Ks  
67846

20-19s-21w/Ness

Job Ticket: 31647

DST#: 1

ATTN: Scott Corsair

Test Start: 2008.03.17 @ 07:29:33

**GENERAL INFORMATION:**

Formation: Mississippian

Deviated: No Whipstock ft (KB)

Time Tool Opened: 10:09:28

Time Test Ended: 14:51:57

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 4395.00 ft (KB) To 4408.00 ft (KB) (TVD)

Total Depth: 4408.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2278.00 ft (KB)

2272.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8018

Inside

Press@RunDepth: 28.53 psig @ 4396.00 ft (KB)

Start Date: 2008.03.17

End Date:

2008.03.17

Start Time: 07:29:33

End Time:

14:51:57

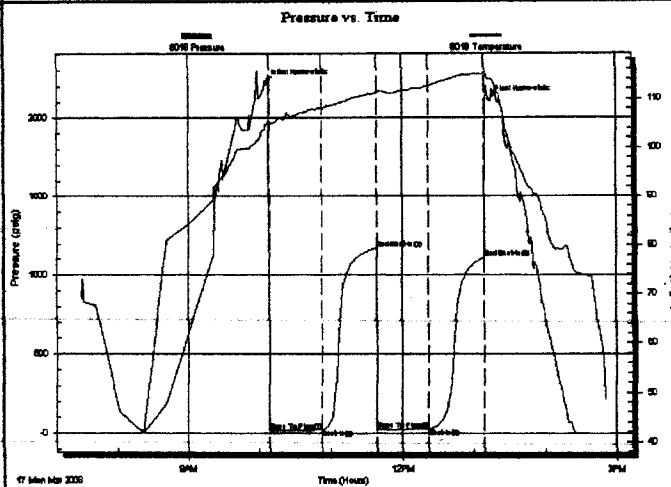
Capacity: 7000.00 psig

Last Calib.: 2008.03.17

Time On Btrm: 2008.03.17 @ 10:05:58

Time Off Btrm: 2008.03.17 @ 13:12:57

TEST COMMENT: FFP - weak blow throughout 1/4" - 2 1/4"  
 ISL - no blow back  
 FFP - weak blow throughout 1/4" - 1 1/2"  
 FSI - no blow back



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.17	103.95	Initial Hydro-static
4	18.68	105.15	Open To Flow (1)
48	22.03	108.04	Shut-In(1)
93	1171.63	111.11	End Shut-In(1)
94	23.87	111.05	Open To Flow (2)
136	28.53	112.56	Shut-In(2)
183	1109.26	115.03	End Shut-In(2)
187	2115.15	113.98	Final Hydro-static

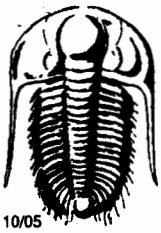
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**Recovery**

Length (ft)	Description	Volume (bbl)
15.00	VSOCCM 5%O, 95%M	0.21
15.00	FREE OIL 95%O, 5%M	0.21

**Gas Rates**

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



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31647  
✓

15-13524757-0008

## Test Ticket

Well Name & No. Rein #2-20 Test No. 1 Date 3-17-08  
 Company American Warrior Zone Tested Mississippi  
 Address PO Box 399 Garden City, KS 67846 Elevation 2278 KB 2272 GL  
 Co. Rep / Geo. Scott Carver Rig Petromark 1  
 Location: Sec. 20 Twp. 19<sup>s</sup> Rge. 21<sup>w</sup> Co. Ness State Ks  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 4395 - 4408 Initial Str Wt./Lbs. 39,000 Unseated Str Wt./Lbs. 39,000  
 Anchor Length 13 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 99,000  
 Top Packer Depth 4390 Tool Weight 2500  
 Bottom Packer Depth 4395 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4408 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.2 LCM \_\_\_\_\_ Vis. 50 WL 12.0 Drill Pipe Size 4 1/2 XH Ft. Run 4390  
 Blow Description IFP - weak blow throughout 4-2 1/4  
ISI - no blow back  
FFP - weak blow throughout 4-1 1/2  
FSI - no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>30</u>	_____	_____	<u>30</u>
Rec. <u>15</u>	Feet of <u>USOCM</u>	%gas <u>5</u> %oil _____ %water _____ %mud _____	
Rec. <u>15</u>	Feet of <u>Free Oil</u>	%gas <u>95</u> %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>115</u>	°F Gravity <u>41</u>	*API D @ <u>50</u>	*F Corrected Gravity <u>42</u> *API _____
RW _____ @ _____	*F Chlorides _____	ppm Recovery _____	Chlorides <u>6800</u> ppm System _____

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	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2223</u>	PSI	<u>8018</u>	✓
(B) First Initial Flow Pressure	<u>19</u>	PSI (depth)	<u>4396</u>	✓
(C) First Final Flow Pressure	<u>22</u>	PSI	<u>6755</u>	✓
(D) Initial Shut-In Pressure	<u>1172</u>	PSI (depth)	<u>4396</u>	
(E) Second Initial Flow Pressure	<u>24</u>	PSI		
(F) Second Final Flow Pressure	<u>29</u>	PSI (depth)		
(G) Final Shut-In Pressure	<u>1109</u>	PSI	<u>45</u>	
(Q) Final Hydrostatic Mud	<u>2115</u>	PSI	<u>45</u>	

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Approved By [Signature] T-Started 0729 Std. By \_\_\_\_\_  
 Our Representative Brian Fairbank (Hrb) T-Open 1008 Acc. Chg: \_\_\_\_\_  
 T-Pulled 1308 Other: \_\_\_\_\_  
 T-Out 1451 Total: \_\_\_\_\_

Serial #: 8018

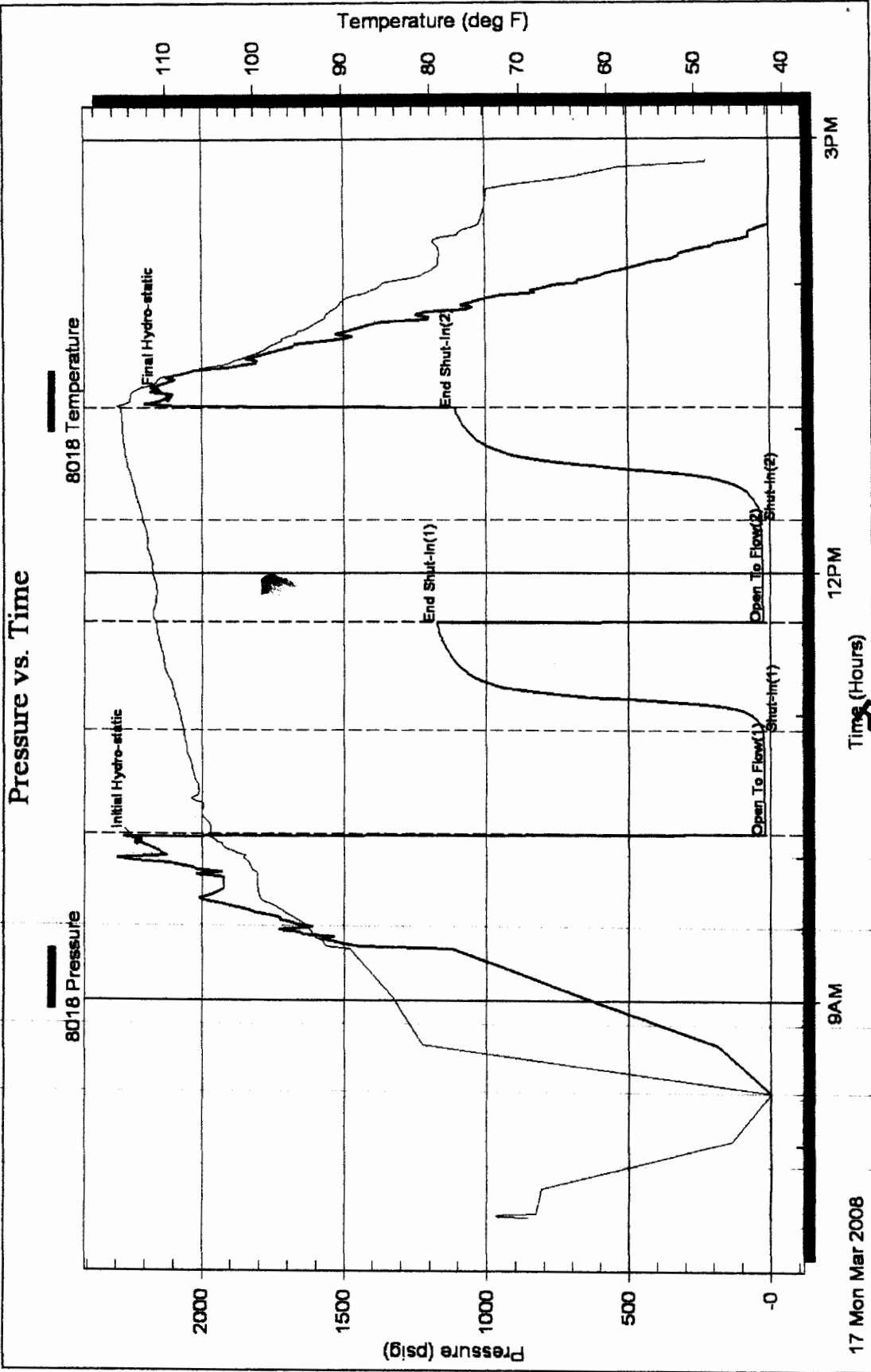
Inside

American Warrior

20-19s-21w /Ness

DST Test Number: 1

### Pressure vs. Time



17 Mon Mar 2008 9AM 12PM 3PM

Time (Hours)

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Tribble Testing, Inc

Ref. No: 31647

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