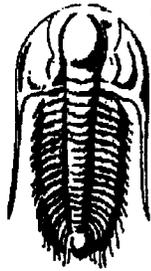


15-135-24453

19-19s-2lw



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399  
Garden City KS 67846

ATTN: Scott Corsair

**19 19 21 Ness KS**

**Wittman #7**

Start Date: 2006.05.10 @ 02:34:20

End Date: 2006.05.10 @ 08:56:20

Job Ticket #: 22764                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior

Wittman #7

19 19 21 Ness KS

DST # 1

Ch Sand

2006.05.10



**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Scott Corsair

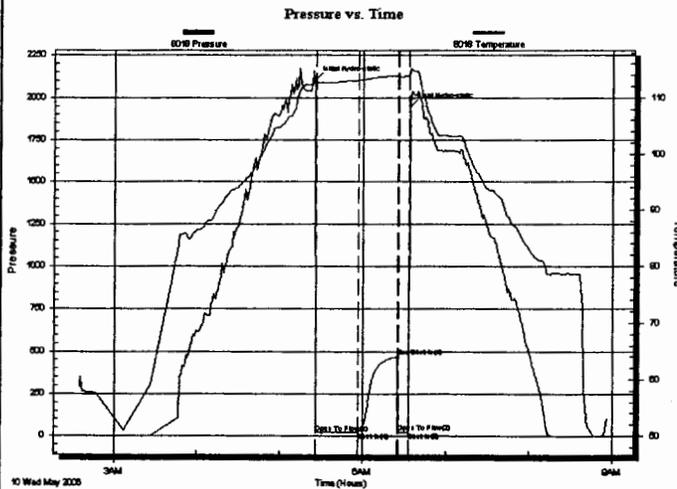
**Wittman #7**  
**19 19 21 Ness KS**  
Job Ticket: 22764      **DST#: 1**  
Test Start: 2006.05.10 @ 02:34:20

### GENERAL INFORMATION:

Formation: **Ch Sand**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 05:26:20  
Time Test Ended: 08:56:20  
Interval: **4284.00 ft (KB) To 4305.00 ft (KB) (TVD)**  
Total Depth: **4305.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair  
Test Type: **Conventional Bottom Hole**  
Tester: **Michael Armbrister**  
Unit No: **1**  
Reference Elevations: **2265.00 ft (KB)**  
**2260.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 8018**      **Inside**  
Press@RunDepth: **21.67 psig @ 4285.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2006.05.10**      End Date: **2006.05.10**      Last Calib.: **2006.05.10**  
Start Time: **02:34:25**      End Time: **08:56:19**      Time On Btrn: **2006.05.10 @ 05:25:50**  
Time Off Btrn: **2006.05.10 @ 06:33:50**

TEST COMMENT: **F Weak surf blow**  
**ISI No blow**  
**FF No blow**  
**Time 30 30 10 pulled out**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.61	113.28	Initial Hydro-static
1	19.87	112.61	Open To Flow (1)
31	21.67	113.13	Shut-In (1)
59	468.23	113.92	End Shut-In (1)
60	23.12	113.74	Open To Flow (2)
68	23.55	113.87	Shut-In (2)
68	1949.68	114.51	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	Slightly Oil spotted Drilling Mud	0.28

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Scott Corsair

**Wittman #7**  
**19 19 21 Ness KS**  
Job Ticket: 22764      **DST#: 1**  
Test Start: 2006.05.10 @ 02:34:20

### Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 59.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4284.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 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			4257.00	
Shut In Tool	5.00			4262.00	
Hydraulic tool	5.00			4267.00	
Jars	5.00			4272.00	
Safety Joint	3.00			4275.00	
Packer	4.00			4279.00	28.00      Bottom Of Top Packer
Packer	5.00			4284.00	
Stubb	1.00			4285.00	
Recorder	0.00	8018	Inside	4285.00	
Recorder	0.00	11084	Outside	4285.00	
Perforations	17.00			4302.00	
Bullnose	3.00			4305.00	21.00      Bottom Packers & Anchor

**Total Tool Length: 49.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Scott Corsair

**Wittman #7**  
**19 19 21 Ness KS**  
Job Ticket: 22764      **DST#: 1**  
Test Start: 2006.05.10 @ 02:34:20

**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: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	Slightly Oil spotted Drilling Mud	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

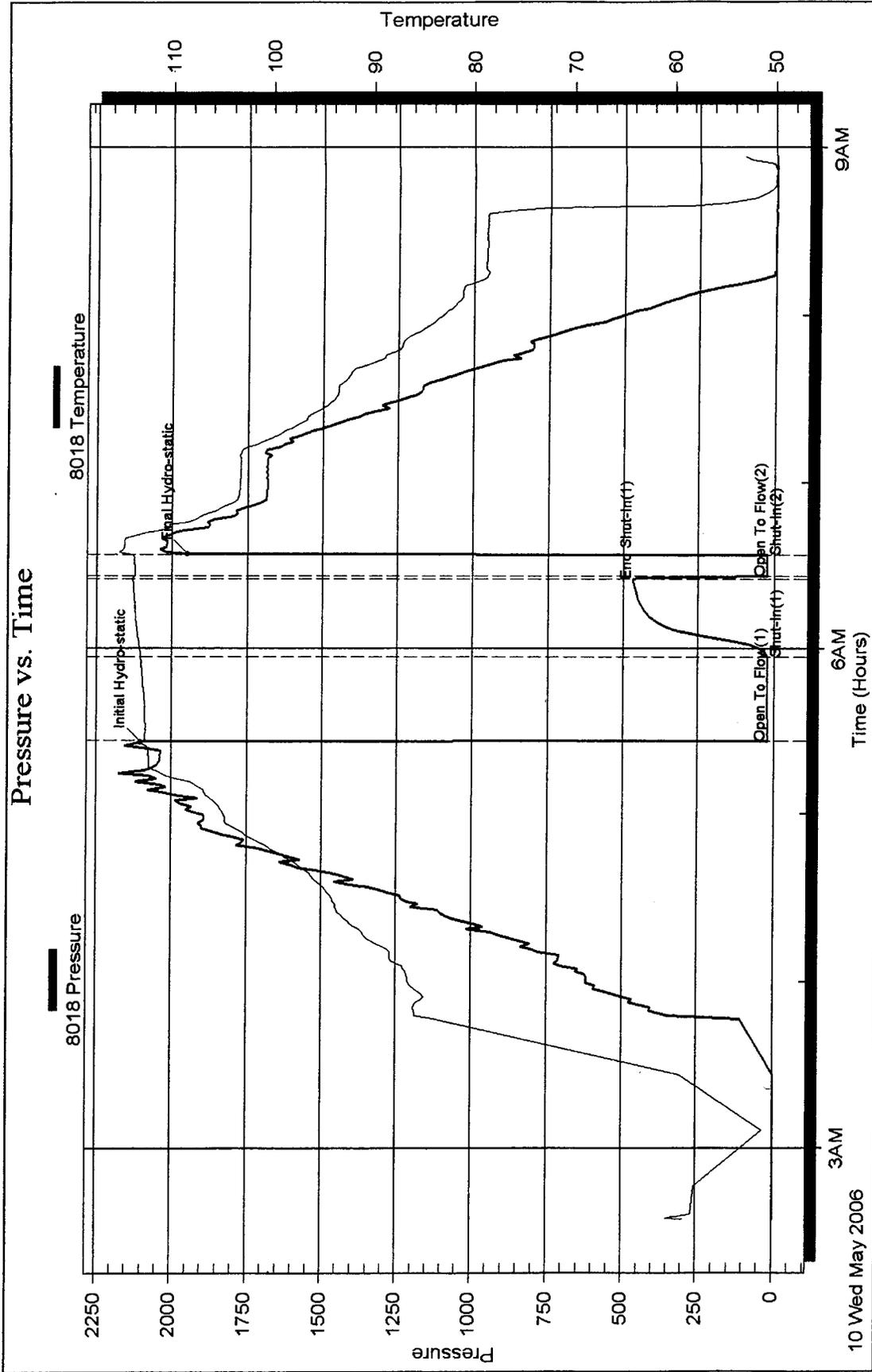
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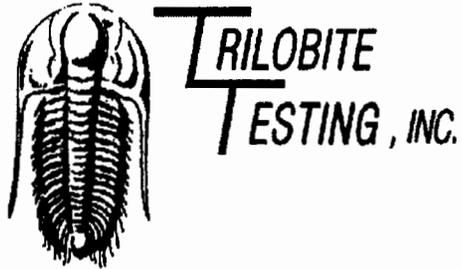
Inside

American Warrior

19 19 21 Ness KS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **American Warrior**  
PO Box 399  
Garden City KS 67846

ATTN: Scott Corsair

**19 19 21 Ness KS**

**Wittman #7**

Start Date: 2006.05.10 @ 22:40:32  
End Date: 2006.05.11 @ 04:54:32  
Job Ticket #: 22765                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

American Warrior

Wittman #7

19 19 21 Ness KS

DST # 2

Miss

2006.05.10



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior  
PO Box 399  
Garden City KS 67846  
ATTN: Scott Corsair

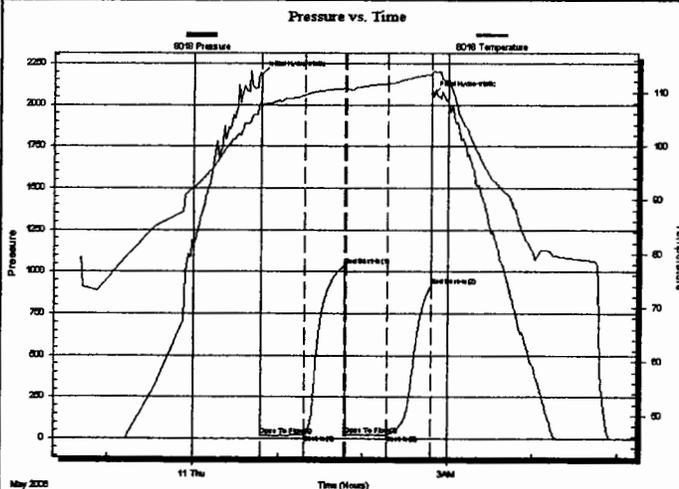
**Wittman #7**  
**19 19 21 Ness KS**  
Job Ticket: 22765      **DST#: 2**  
Test Start: 2006.05.10 @ 22:40:32

### GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 00:47:32  
Time Test Ended: 04:54:32  
Test Type: Conventional Bottom Hole  
Tester: Michael Ambrister  
Unit No: 1  
Interval: **4369.00 ft (KB) To 4383.00 ft (KB) (TVD)**  
Reference Elevations: 2265.00 ft (KB)  
Total Depth: 4383.00 ft (KB) (TVD)                      2260.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair                      KB to GR/CF: 5.00 ft

**Serial #: 8018**      **Inside**  
Press@RunDepth: 23.61 psig @ 4370.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2006.05.10      End Date: 2006.05.11      Last Calib.: 2006.05.11  
Start Time: 22:40:37      End Time: 04:54:31      Time On Btrr: 2006.05.11 @ 00:47:02  
Time Off Btrr: 2006.05.11 @ 02:48:32

TEST COMMENT: F Surf blow  
ISI No blow  
FF Surf blow  
Time 30 30 30 30



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.57	108.24	Initial Hydro-static
1	18.88	107.24	Open To Flow (1)
32	21.24	109.52	Shut-In (1)
60	1038.01	110.78	End Shut-In (1)
61	22.20	110.56	Open To Flow (2)
90	23.61	111.64	Shut-In (2)
121	915.59	113.33	End Shut-In (2)
122	2061.69	113.63	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	O spotted DM 98% M 2% O	0.21
2.00	Clean Oil 100% O	0.03

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Warrior

**Wittman #7**

PO Box 399  
Garden City KS 67846

**19 19 21 Ness KS**

Job Ticket: 22765

**DST#:2**

ATTN: Scott Corsair

Test Start: 2006.05.10 @ 22:40:32

### Tool Information

Drill Pipe:	Length: 4359.00 ft	Diameter: 3.80 inches	Volume: 61.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 61.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4369.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			4342.00	
Shut In Tool	5.00			4347.00	
Hydraulic tool	5.00			4352.00	
Jars	5.00			4357.00	
Safety Joint	3.00			4360.00	
Packer	4.00			4364.00	28.00 Bottom Of Top Packer
Packer	5.00			4369.00	
Stubb	1.00			4370.00	
Recorder	0.00	8018	Inside	4370.00	
Perforations	10.00			4380.00	
Recorder	0.00	11084	Outside	4380.00	
Bullnose	3.00			4383.00	14.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior  
PO Box 399  
Garden City KS 67846  
  
ATTN: Scott Corsair

**Wittman #7**  
**19 19 21 Ness KS**  
Job Ticket: 22765      **DST#: 2**  
Test Start: 2006.05.10 @ 22:40:32

### 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:	41.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.59 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	O spotted DM 98%M 2%O	0.210
2.00	Clean Oil 100%O	0.028

Total Length: 17.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

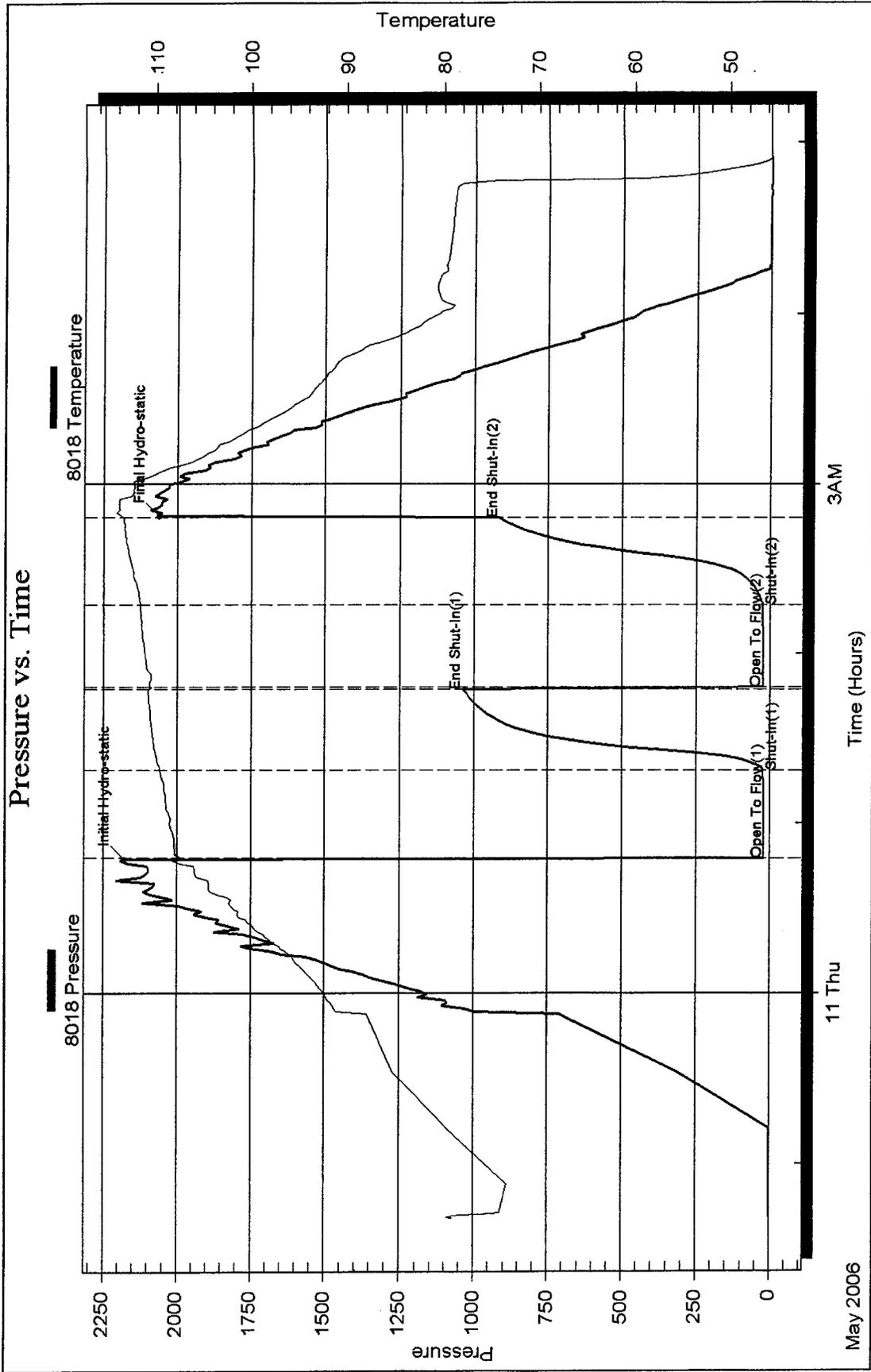
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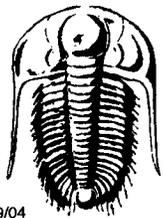
Inside

American Warrior

19 19 21 Ness KS

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22764

8742

## Test Ticket

Well Name & No. Wittman #7 Test No. 2 Date 5-09-06  
 Company American Warrior Inc Zone Tested Ch Sand  
 Address PO Box 399 Gardner City KS Elevation 2265 KB 2260 GL  
 Co. Rep / Geo. Scott Corsair Cont. Petro Mark 2 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 19 Twp. 19S Rge. 21 Co. Ness State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4284-4305 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length 21 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 4279 Tool Weight 2,000  
 Bottom Packer Depth 30 4284 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4305 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.1 LCM 1 Vis. 41 WL 7.4 Drill Pipe Size 4 1/2 Ft. Run 4260  
 Blow Description IF - Weak Surface Blow  
ISJ - No Blow  
FF - No Blow & Pulled

Recovery - Total Feet 20 Slightly Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 20 Feet of 0.1 Spotted Drilling Mud %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. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 114 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

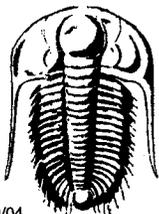
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2103</u> PSI	<u>8018</u>	Ran <u>1100</u>
(B) First Initial Flow Pressure		<u>20</u> PSI	(depth)	Jars Ran <u>250.00</u>
(C) First Final Flow Pressure		<u>22</u> PSI	Recorder No. <u>11084</u>	Safety Jt. Ran <u>75.00</u>
(D) Initial Shut-In Pressure		<u>468</u> PSI	(depth)	Circ Sub _____
(E) Second Initial Flow Pressure		<u>23</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>24</u> PSI	(depth)	Straddle _____
(G) Final Shut-In Pressure		_____ PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1950</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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.

T-On Location 23:00  
 T-Started 2:23  
 T-Open 5:25  
 T-Pulled 6:35  
 T-Out \_\_\_\_\_

Ruined Packer \_\_\_\_\_  
 Mileage 56 x 2 = 112 = 140.00  
 Sub Total: 1565.00  
 Std. By \_\_\_\_\_  
 Other \_\_\_\_\_  
 Total: \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative Michael Amberster



# TRILOBITE TESTING INC.

No 22765

P.O. Box 362 • Hays, Kansas 67601

9/04

## Test Ticket

Well Name & No. Wittman #7 Test No. 2 Date 5-10-04  
 Company American Warrior Zone Tested Miss  
 Address \_\_\_\_\_ Elevation 2265 KB 2260 GL  
 Co. Rep / Geo. Scott Corsair Cont. Petro Mark 1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 19 Twp. 19s Rge. 21 Co. Ness State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4369 - 4383 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 50000  
 Anchor Length 14 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth 4364 Tool Weight 2000  
 Bottom Packer Depth 4369 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4383 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run \_\_\_\_\_  
 Mud Wt. 9.1 LCM \_\_\_\_\_ Vis. \_\_\_\_\_ WL \_\_\_\_\_ Drill Pipe Size 4 1/2 Ft. Run 4369  
 Blow Description IF - Surface Blow  
ISI - No Blow  
IF - Surface Blow  
FSI - No Blow

Recovery - Total Feet 17 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 2 Feet of Clean Oil %gas 100 %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 15 Feet of Oil spotted Drilling Mud %gas 2 %oil \_\_\_\_\_ %water 98 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 113 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine	Recorder No.	
(A) Initial Hydrostatic Mud		<u>2190</u> PSI	<u>8018</u>	(Test) <u>Ran</u> <u>1100</u>
(B) First Initial Flow Pressure		<u>19</u> PSI	(depth) <u>4370</u>	(Jars) <u>Ran</u> <u>250</u>
(C) First Final Flow Pressure		<u>21</u> PSI	Recorder No. <u>11084</u>	(Safety Jt.) <u>Ran</u> <u>75</u>
(D) Initial Shut-In Pressure		<u>1038</u> PSI	(depth) <u>4382</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>22</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>24</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>916</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2062</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	(Mileage) <u>56.72</u> <u>140</u>

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.

Approved By [Signature]  
 Our Representative Michael Armbrister

T-On Location 21:30  
 T-Started 22:40  
 T-Open 00:50  
 T-Pulled 2:50  
 T-Out 4:45

Sub Total: 1565  
 Std. By [Signature]  
 Other \_\_\_\_\_  
 Total: \_\_\_\_\_