

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Scott Corsair

24 20 22W Ness KS

Albers-Cox #1

Start Date: 2007.09.02 @ 07:59:29

End Date: 2007.09.02 @ 15:31:59

Job Ticket #: 28888 DST #: 1

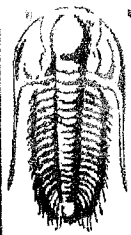
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-135-24662

24-20s-22w


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City, Ks. 67846
ATTN: Scott Corsair

Albers-Cox #1
24-20s-22w-Ness
Job Ticket: 28888 DST#: 1
Test Start: 2007.09.02 @ 07:59:29

GENERAL INFORMATION:

Formation: **Chase Group**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 09:51:29
Time Test Ended: 15:31:59

RECEIVED
JUL 31 2009
KCC WICHITA

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32
Reference Elevations: 2225.00 ft (KB)
2220.00 ft (CF)
KB to GR/CF: 5.00 ft

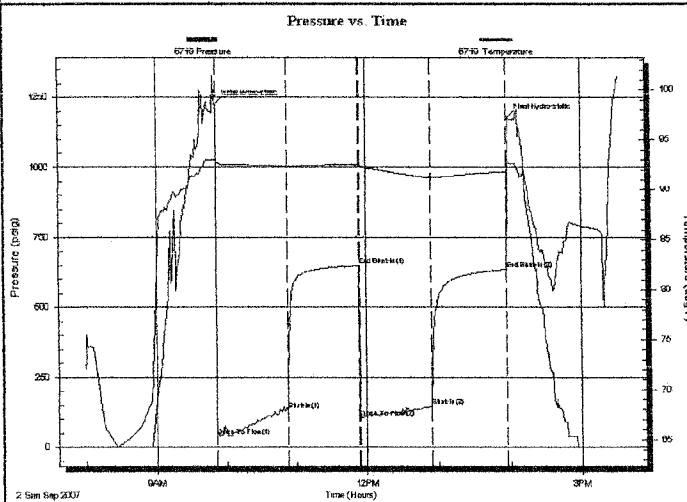
Serial #: 6719

Inside

Press@RunDepth: 145.31 psig @ 2301.00 ft (KB)
Start Date: 2007.09.02 End Date: 2007.09.02
Start Time: 07:59:29 End Time: 15:31:59

Capacity: 7000.00 psig
Last Calib.: 2007.09.02
Time On Btm: 2007.09.02 @ 09:50:59
Time Off Btm: 2007.09.02 @ 13:57:59

TEST COMMENT: IFP-Strong, BOB in 1-1/2 Min, Gas To Surface in 18 Min, Gauging Gas
ISI-Blow back Built to 3"
FFP-Strong, BOB on Open, Gauging Gas
FSI-Blow back BOB in 35 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1226.11	93.04	Initial Hydro-static
1	38.72	92.70	Open To Flow (1)
62	130.51	92.29	Shut-In (1)
123	647.70	92.50	End Shut-In (1)
124	105.86	92.35	Open To Flow (2)
183	145.31	91.24	Shut-In (2)
246	634.37	91.73	End Shut-In (2)
247	1177.87	93.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Watery Mud, 15%W-85%M	3.23

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.50	33.16
Last Gas Rate	0.50	7.00	144.36
Max. Gas Rate	0.25	40.00	86.30

Ness 24-20-22w



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City KS 67846

24 20 22W Ness KS

Job Ticket: 28888

DST#: 1

ATTN: Scott Corsair

Test Start: 2007.09.02 @ 07:59:29

Tool Information

Drill Pipe:	Length: 2243.00 ft	Diameter: 3.80 inches	Volume: 31.46 bbl	Tool Weight:	2000.00 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: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	31.76 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	25000.00 lb
Depth to Top Packer:	2298.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	105.00 ft				
Tool Length:	126.00 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			2278.00	
Shut In Tool	5.00			2283.00	
Hydraulic tool	5.00			2288.00	
Packer	5.00			2293.00	21.00 Bottom Of Top Packer
Packer	5.00			2298.00	
Stubb	1.00			2299.00	
Perforations	1.00			2300.00	
Change Over Sub	1.00			2301.00	
Recorder	0.00	6719	Inside	2301.00	
Blank Spacing	94.00			2395.00	
Change Over Sub	1.00			2396.00	
Perforations	4.00			2400.00	
Recorder	0.00	13221	Outside	2400.00	
Bullnose	3.00			2403.00	105.00 Bottom Packers & Anchor
Total Tool Length:		126.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City KS 67846

24 20 22W Ness KS

Job Ticket: 28888

DST#: 1

ATTN: Scott Corsair

Test Start: 2007.09.02 @ 07:59:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 87.00 sec/qt

Cushion Volume:

bbl

Water Loss: 13.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 65000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	Watery Mud 15%W 85%M	3.232

Total Length: 270.00 ft Total Volume: 3.232 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City, Ks. 67846

24-20s-22w-Ness

Job Ticket: 28888

DST#: 1

ATTN: Scott Corsair

Test Start: 2007.09.02 @ 07:59:29

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	40	0.25	6.50	33.16
1	45	0.25	12.00	41.88
1	50	0.25	22.00	57.74
1	55	0.25	30.00	70.44
1	60	0.25	40.00	86.30
2	10	0.50	15.00	198.32
2	20	0.50	10.00	164.59
2	30	0.50	7.00	144.36
2	40	0.50	7.00	144.36
2	50	0.50	7.00	144.36
2	60	0.50	7.00	144.36

RECEIVED
JUL 31 2009
KCC WICHITA

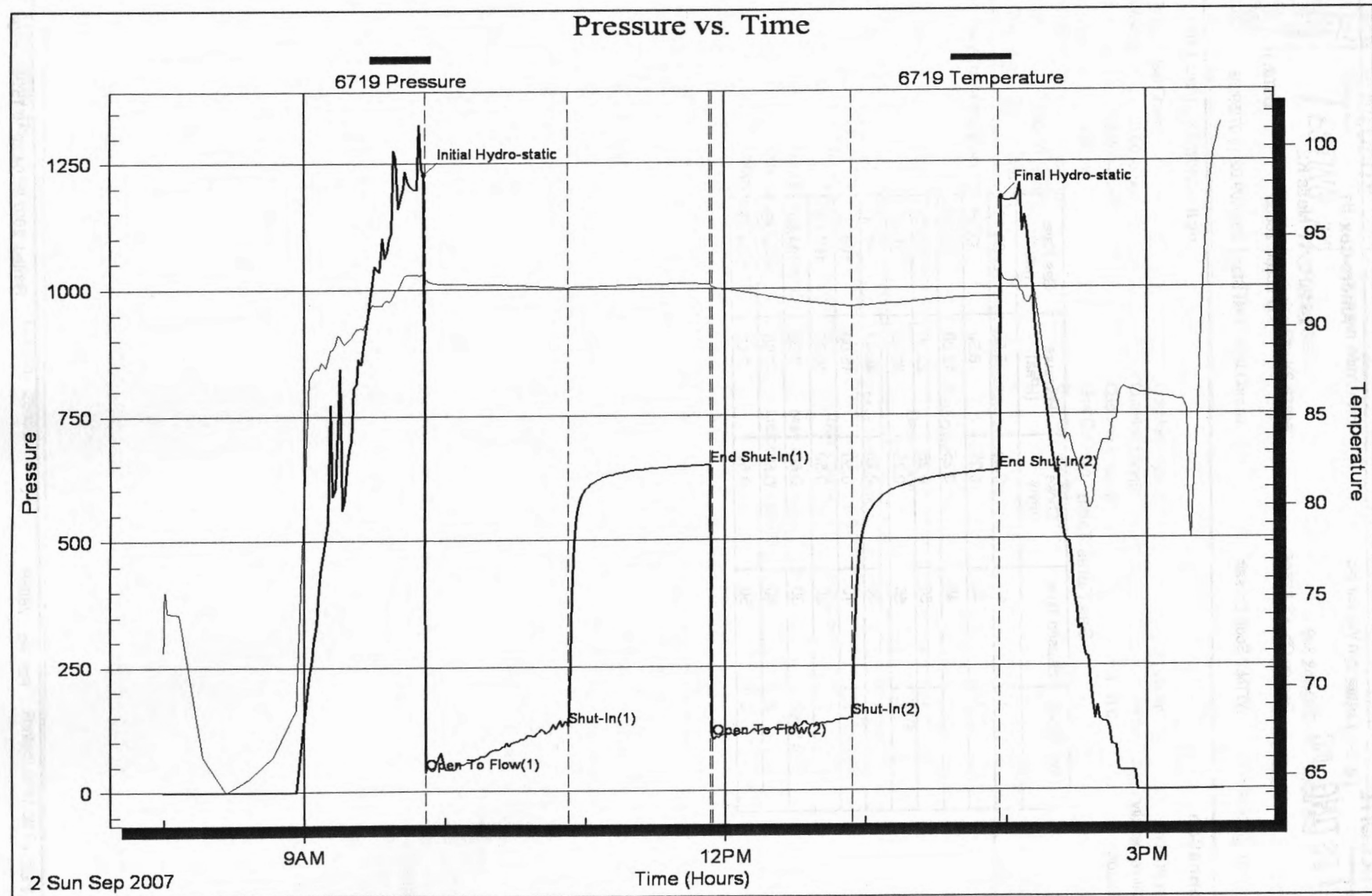
Serial #: 6719

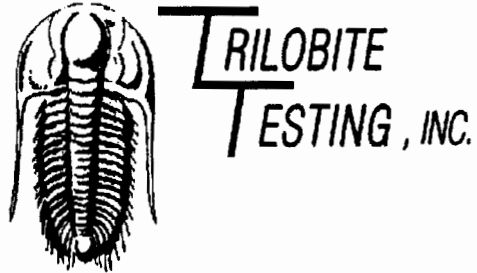
Inside

American Warrior Inc

24 20 22W Ness KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Scott Corsair

24 20 22W Ness KS

Albers-Cox #1

Start Date: 2007.09.03 @ 00:08:21

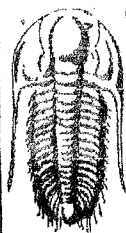
End Date: 2007.09.03 @ 04:54:21

Job Ticket #: 28889 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City, Ks. 67846

24-20s-22w-Ness

Job Ticket: 28889

DST#: 2

ATTN: Scott Corsair

Test Start: 2007.09.03 @ 00:08:21

GENERAL INFORMATION:

Formation: **Towanda**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 01:39:21

Time Test Ended: 04:54:21

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **2407.00 ft (KB) To 2460.00 ft (KB) (TVD)**

Total Depth: 2460.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2225.00 ft (KB)

2220.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6719**

Inside

Press@RunDepth: 61.10 psig @ 2410.00 ft (KB)

Start Date: 2007.09.03

End Date:

2007.09.03

Start Time: 00:08:21

End Time:

04:54:21

Capacity: 7000.00 psig

Last Calib.: 2007.09.03

Time On Btm: 2007.09.03 @ 01:38:51

Time Off Btm: 2007.09.03 @ 03:41:51

TEST COMMENT: IFP-Weak Blow, Built to 4-1/2"

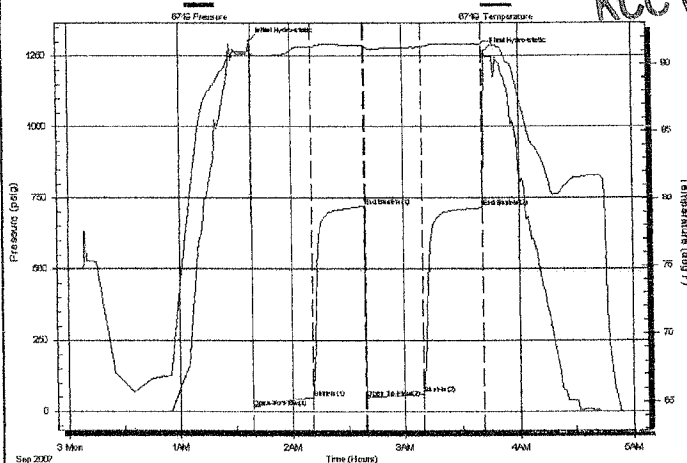
ISI-Dead

FFP-Weak Blow, Built to 3"

FSI-Dead

RECEIVED
JUL 31 2009

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1302.51	91.00	Initial Hydro-static
1	14.03	90.44	Open To Flow (1)
33	47.75	91.26	Shut-In (1)
61	720.22	91.37	End Shut-In (1)
61	49.29	91.23	Open To Flow (2)
91	61.10	91.24	Shut-In (2)
122	716.46	91.48	End Shut-In (2)
123	1265.49	91.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	Muddy Water-50%W-50%M	0.78

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City KS 67846

24 20 22W Ness KS

Job Ticket: 28889

DST#: 2

ATTN: Scott Corsair

Test Start: 2007.09.03 @ 00:08:21

Tool Information

Drill Pipe:	Length: 2339.00 ft	Diameter: 3.80 inches	Volume: 32.81 bbl	Tool Weight:	2000.00 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: 61.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	30000.00 lb
		Total Volume:	33.11 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	25000.00 lb
Depth to Top Packer:	2407.00 ft			Final	25000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	74.00 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			2387.00	
Shut In Tool	5.00			2392.00	
Hydraulic tool	5.00			2397.00	
Packer	5.00			2402.00	21.00 Bottom Of Top Packer
Packer	5.00			2407.00	
Stubb	1.00			2408.00	
Perforations	1.00			2409.00	
Change Over Sub	1.00			2410.00	
Recorder	0.00	6719	Inside	2410.00	
Blank Spacing	31.00			2441.00	
Change Over Sub	1.00			2442.00	
Perforations	15.00			2457.00	
Recorder	0.00	13221	Outside	2457.00	
Bullnose	3.00			2460.00	53.00 Bottom Packers & Anchor
Total Tool Length:		74.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUM

American Warrior Inc

Albers-Cox #1

PO Box 399
Garden City KS 67846

24 20 22W Ness KS

Job Ticket: 28889

DST#: 2

ATTN: Scott Corsair

Test Start: 2007.09.03 @ 00:08:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 16.19 in³

Resistivity: ohm.m

Salinity: 64000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 39000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Muddy Water 50%W 50%M	0.777

Total Length: 95.00 ft

Total Volume: 0.777 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

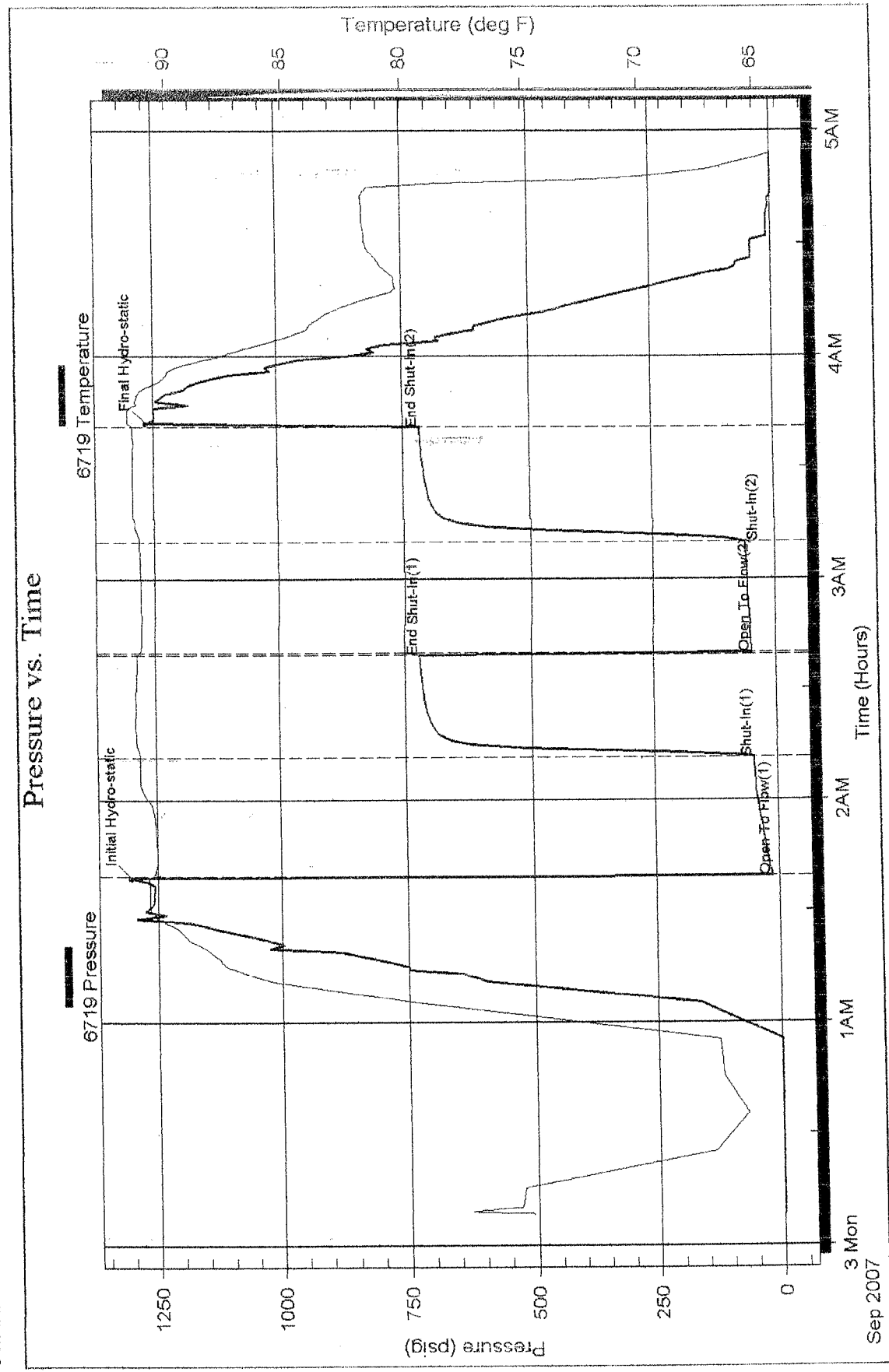
DST Test Number: 2

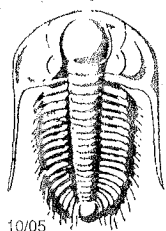
24-20s-22w - Ness

American Warrior Inc

Inside

Serial #: 6719





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. <u>Albers - Cox #1</u>	Test No. <u>1</u>	Date <u>9-2-07</u>
Company <u>American Warrior Inc</u>	Zone Tested <u>Chase Group</u>	
Address <u>PO Box 399, Garden City, Ks. 67846</u>	Elevation <u>2225</u>	KB <u>2220</u> GL
Co. Rep / Geo. <u>Scott Corsair</u>	Rig <u>Petromark #1</u>	
Location: Sec. <u>24</u> Twp. <u>20s</u> Rge. <u>22w</u>	Co. <u>Ness</u>	State <u>Ks</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>2298-2403</u>	Initial Str Wt./Lbs. <u>25,000</u>	Unseated Str Wt./Lbs. <u>30,000</u>
Anchor Length <u>105'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>2293</u>	Tool Weight <u>2,000</u>	
Bottom Packer Depth <u>2295</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2403</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>61</u>
Mud Wt. <u>9.9</u> LCM <u>1"</u> Vis. <u>87</u> WL <u>14.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2243</u>

Blow Description IFP - Strong, BOB in 1 1/2 min. Gas to Surface 18 min. Gauging Gas

IST - Blowback built to 3"

FFP - BOB on Open, Gauging Gas

FST - Blowback BOB in 35 min

Recovery - Total Feet <u>270</u>	GIP	Ft. in DC	Ft. in DP
Rec. <u>270</u>	Feet of <u>Watery</u>	%gas	%oil 15 %water 85 %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 _____ °F Gravity _____	*API D @ _____	*F Corrected Gravity _____	*API
RW <u>120</u> @ <u>100</u> °F	Chlorides <u>41,000</u> ppm Recovery _____	Chlorides <u>65,000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	PSI	Recorder No.	<u>6719</u>	Test
(B) First Initial Flow Pressure		<u>39</u>	PSI	(depth)	<u>2301</u>	Jars
(C) First Final Flow Pressure		<u>131</u>	PSI	Recorder No.	<u>13221</u>	Safety Jt.
(D) Initial Shut-In Pressure		<u>648</u>	PSI	(depth)	<u>2400</u>	Circ Sub
(E) Second Initial Flow Pressure		<u>106</u>	PSI	Recorder No.		Sampler
(F) Second Final Flow Pressure		<u>145</u>	PSI	(depth)		Straddle
(G) Final Shut-In Pressure		<u>634</u>	PSI	Initial Opening	<u>60</u>	Ext. Packer
(Q) Final Hydrostatic Mud		<u>1178</u>	PSI	Initial Shut-In	<u>60</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.

Approved By _____

Our Representative D. M. Jensen

Final Flow	<u>60</u>
Final Shut-In	<u>60</u>
T-On Location	<u>6:58</u>
T-Started	<u>7:59</u>
T-Open	<u>9:51</u>
T-Pulled	<u>13:51</u>
T-Out	<u>15:32</u>

Test	
Jars	
Safety Jt.	
Circ Sub	
Sampler	
Straddle	
Ext. Packer	
Shale Packer	
Ruined Packer	
Mileage	<u>120 mi</u>
Sub Total:	
Std. By	
Acc. Chg:	
Other:	
Total:	

P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

American Warrior

OPERATOR

Albers - Cox #1

WELL NAME AND NO.

1

DST NO.

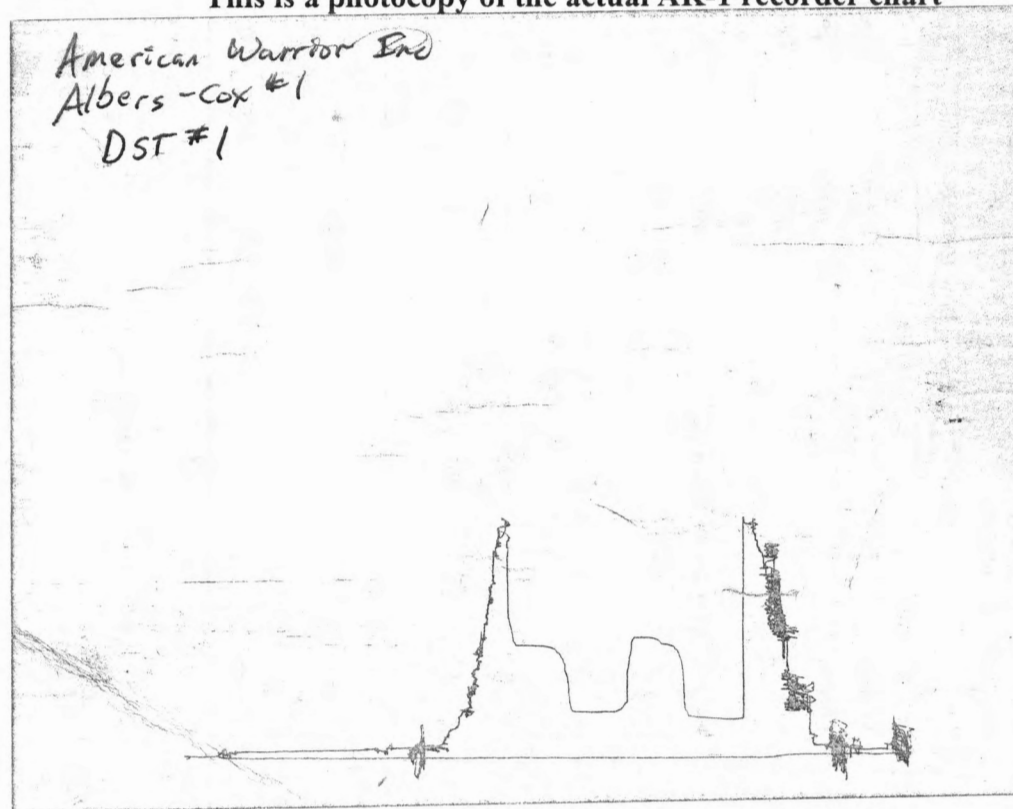
[illegible]

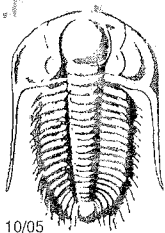
Remarks:

Sample Taken on 1st period

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. <u>Albers-Cox #1</u>	Test No. <u>2</u>	Date <u>9-2-07</u>
Company <u>American Warrior Inc.</u>	Zone Tested <u>Towanda</u>	
Address <u>PO Box 399, Garden City, Ks: 67846</u>	Elevation <u>2225</u>	KB <u>2220</u> GL
Co. Rep / Geo. <u>Scott Corsair</u>	Rig <u>Petromark #1</u>	
Location: Sec. <u>24</u> Twp. <u>20s</u> Rge. <u>22w</u>	Co. <u>Ness</u>	State <u>Ks</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>2407-2460</u>	Initial Str Wt./Lbs. <u>25,000</u>	Unseated Str Wt./Lbs. <u>25,000</u>
Anchor Length <u>53'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>30,000</u>
Top Packer Depth <u>2402</u>	Tool Weight <u>2,000</u>	
Bottom Packer Depth <u>2407</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2460</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>61</u>
Mud Wt. <u>10.0</u> LCM <u>1#</u> Vis. <u>45</u> WL <u>16.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2339</u>
Blow Description <u>IFP-Weak Blow, Built to 4 1/2"</u>		
<u>IST-Dead</u>		
<u>FFP-Weak Blow, Built to 3"</u>		
<u>FSI-Dead</u>		

Recovery - Total Feet <u>95</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>95</u>	Feet of <u>Muddy Water</u>	%gas _____	%oil <u>50</u> %water <u>50</u> %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 _____	*F Gravity _____	*F Corrected Gravity _____	*API _____
RW <u>213</u> @ <u>60°</u>	*F Chlorides <u>39,000</u> ppm	Recovery _____	Chlorides <u>64,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1303</u> PSI	Recorder No. <u>6719</u>	(Test) _____
(B) First Initial Flow Pressure	<u>14</u> PSI	(depth) <u>2410</u>	Jars _____
(C) First Final Flow Pressure	<u>48</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>720</u> PSI	(depth) <u>2457</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>49</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>61</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>716</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1265</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.		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>30</u>	Mileage <u>120</u> ft
		T-On Location <u>23145</u>	Sub Total: _____
		T-Started <u>00:17</u>	Std. By _____
		T-Open <u>1152</u>	Acc. Chg: _____
		T-Pulled <u>3152</u>	Other: _____
		T-Out <u>5117</u>	Total: _____
Approved By _____			
Our Representative <u>A. McDemore</u>			

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

