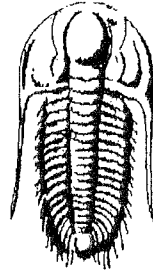


19-34s-18w



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

P.O.Box 399  
Garden City, Kansas

ATTN: Roger Fisher

**19-34s-18W**

**Huck Trust#1**

Start Date: 2004.07.29 @ 06:23:52

End Date: 2004.07.29 @ 13:42:49

Job Ticket #: 19706      DST #: 1

API 15-033-21402-00-00

C NE SE SW

1190 FSL 2400 FWL RECEIVED

AUG 17 2004

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior, inc.

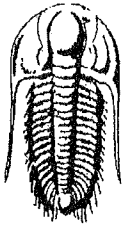
Huck Trust#1

19-34-18W

DST # 1

Altamont

2004.07.29



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19706

DST#: 1

ATTN: Roger Fisher

Test Start: 2004.07.29 @ 06:23:52

## GENERAL INFORMATION:

Formation: **Altamont**

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

Time Tool Opened: 08:18:49

Time Test Ended: 13:42:49

Test Type: **Conventional Bottom Hole**

Tester: **Darren L. Amerine**

Unit No: **19**

Interval: **5220.00 ft (KB) To 5240.00 ft (KB) (TVD)**

Reference Elevations: **1946.00 ft (KB)**

Total Depth: **5240.00 ft (KB) (TVD)**

**1933.00 ft (CF)**

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

KB to GR/CF: **13.00 ft**

Serial #: **6625**

Inside

Press@RunDepth: **46.46 psig @ 5221.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.07.29**

End Date:

**2004.07.29**

Last Calib.:

**2004.07.29**

Start Time: **06:23:52**

End Time:

**13:42:49**

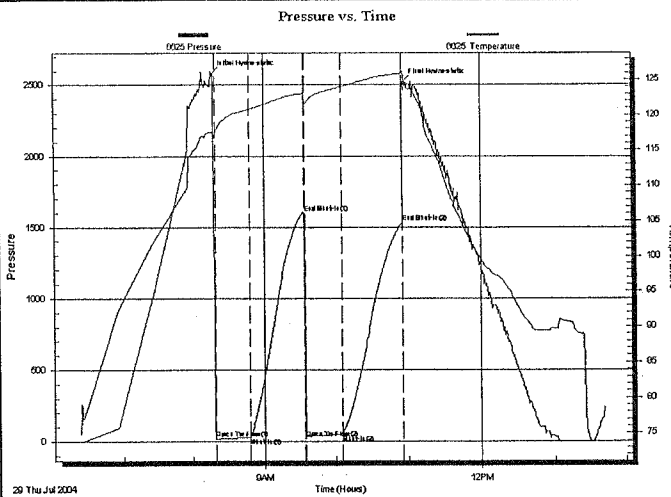
Time On Btm:

**2004.07.29 @ 08:17:04**

Time Off Btm:

**2004.07.29 @ 10:56:34**

TEST COMMENT: IF:Weak to fair blow b.o.b in 9 mins.  
IS:Bled down n for 5 mins.no blow back.  
FF:Strong blow b.o.b in 20 sec.  
FS:Bled down n for 10 mins.no blow back.



## PRESSURE SUMMARY

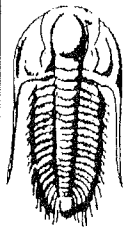
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2574.42	117.50	Initial Hydro-static
2	19.45	117.52	Open To Flow (1)
31	27.93	120.77	Shut-In(1)
77	1601.59	123.04	End Shut-In(1)
77	24.21	121.42	Open To Flow (2)
109	46.46	123.98	Shut-In(2)
159	1530.78	125.87	End Shut-In(2)
160	2515.45	126.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbt)
0.00	350' of gip	0.00
65.00	SG&MCW10%gas 40%mud 50%water	0.32

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19706

DST#: 1

ATTN: Roger Fisher

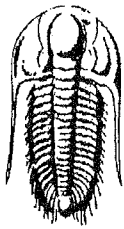
Test Start: 2004.07.29 @ 06:23:52

## Tool Information

Drill Pipe:	Length: 5009.84 ft	Diameter: 3.80 inches	Volume: 70.27 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 186.16 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 71.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5220.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	49.00 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			5192.00	
Shut In Tool	5.00			5197.00	
Hydraulic tool	5.00			5202.00	
Jars	5.00			5207.00	
Safety Joint	3.00			5210.00	
Packer	5.00			5215.00	29.00 Bottom Of Top Packer
Packer	5.00			5220.00	
Stubb	1.00			5221.00	
Recorder	0.00	6625	Inside	5221.00	
Anchor	16.00			5237.00	
Recorder	0.00	10991	Outside	5237.00	
Bullnose	3.00			5240.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>49.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19706

DST#: 1

ATTN: Roger Fisher

Test Start: 2004.07.29 @ 06:23:52

## 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: 110000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.90 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.32 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	350' of gip	0.000
65.00	SG&MCW10%gas 40%mud 50%water	0.320

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

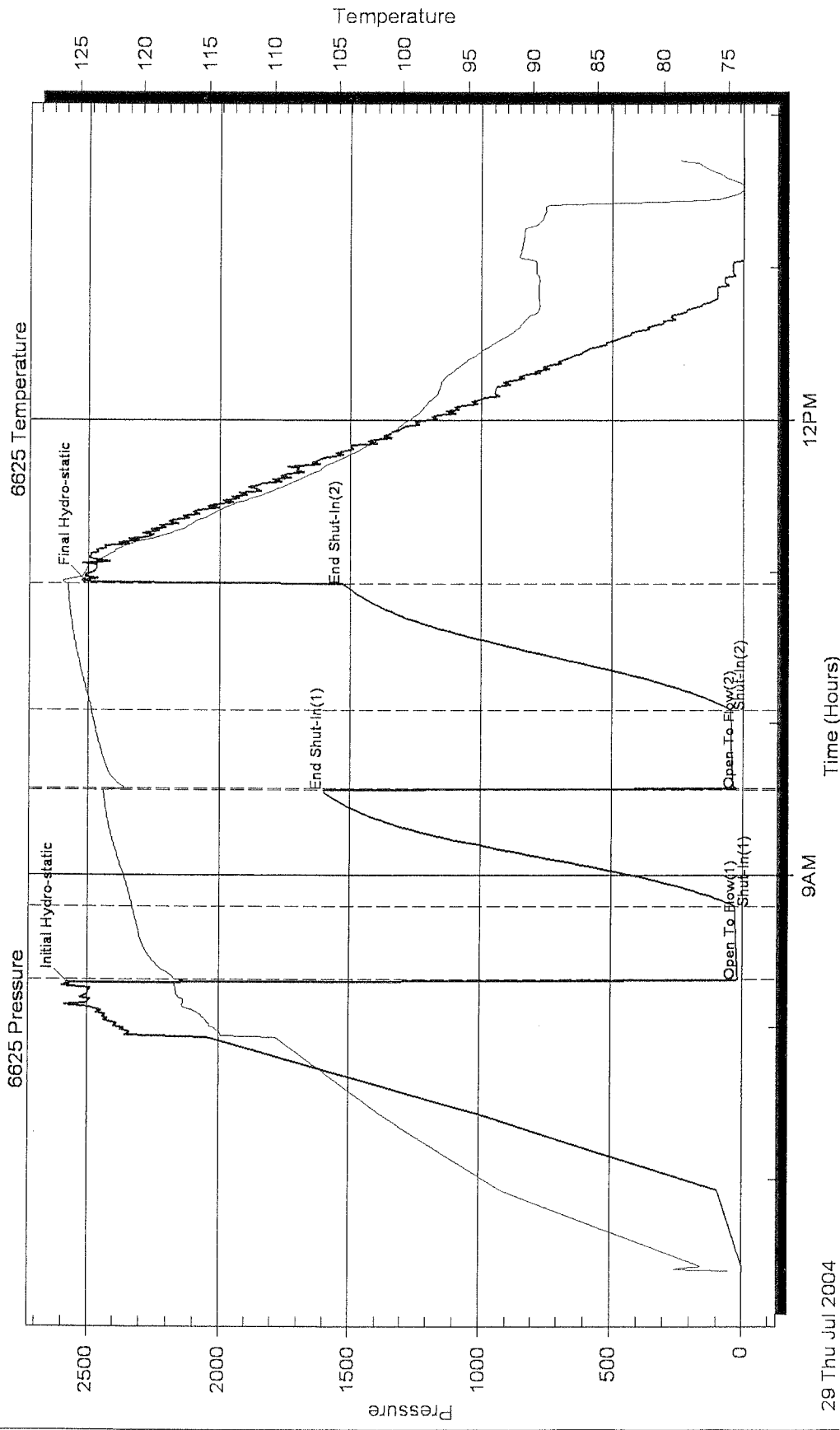
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .06@80'degrees=110000

# Pressure vs. Time

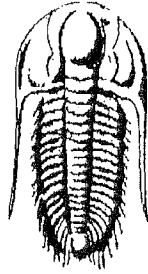


29 Thu Jul 2004

12PM

9AM

Time (Hours)



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

## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City, Kansas

ATTN: Roger Fisher

**19-32S-18W**

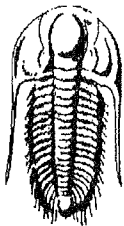
**Huck Trust-#1**

Start Date: 2004.07.30 @ 09:20:26

End Date: 2004.07.30 @ 17:55:41

Job Ticket #: 19707      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.  
P.O.Box 399  
Garden City, Kansas  
ATTN: Roger Fisher

**Huck Trust #1**  
**19-32S-18W**  
Job Ticket: 19707      DST#: 2  
Test Start: 2004.07.30 @ 09:20:26

## GENERAL INFORMATION:

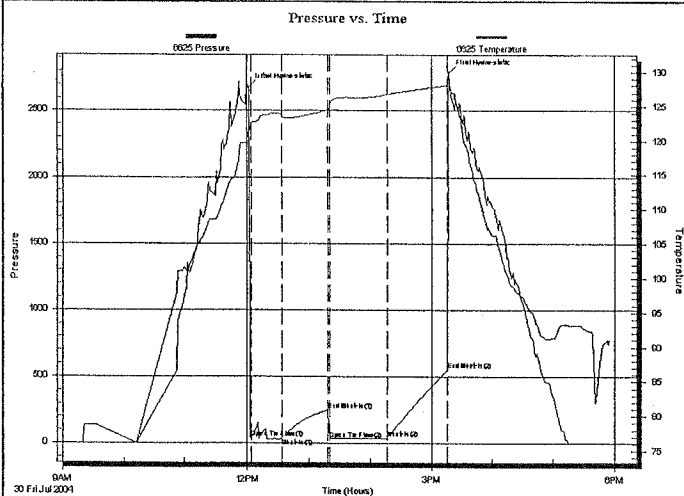
Formation: **Mississippian**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 12:03:11  
Time Test Ended: 17:55:41  
Interval: **5405.00 ft (KB) To 5425.00 ft (KB) (TVD)**  
Total Depth: **5425.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Darren L.Amerine  
Unit No: 19  
Reference Elevations: 1946.00 ft (KB)  
1933.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 6625

Inside

Press@RunDepth: 38.42 psig @ 5406.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2004.07.30      End Date: 2004.07.30      Last Calib.: 2004.07.30  
Start Time: 09:20:29      End Time: 17:55:41      Time On Btm: 2004.07.30 @ 12:01:26  
Time Off Btm: 2004.07.30 @ 15:17:26

TEST COMMENT: IF: Fair to strong blow b.o.b in 16 mins.  
IS: Bled down n for 5 mins. built back to 1-1/2" in H2O bucket.  
FF: Fair blow b.o.b in 2 mins.  
FS: Bled down n for 2 mins. no blow back.



## PRESSURE SUMMARY

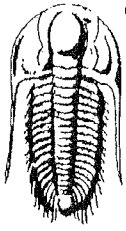
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2678.79	121.44	Initial Hydro-static
2	38.47	122.52	Open To Flow (1)
32	40.00	123.75	Shut-In(1)
77	248.64	124.43	End Shut-In(1)
78	32.56	125.14	Open To Flow (2)
135	38.42	126.72	Shut-In(2)
195	552.87	128.13	End Shut-In(2)
196	2786.74	128.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	1100' of gip	0.00
65.00	G&OCM 14% gas 16% oil 70% mud	0.32

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19707

DST#: 2

ATTN: Roger Fisher

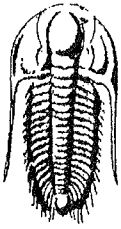
Test Start: 2004.07.30 @ 09:20:26

### Tool Information

Drill Pipe:	Length: 5194.84 ft	Diameter: 3.80 inches	Volume: 72.87 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 186.16 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 73.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 79000.00 lb
Depth to Top Packer:	5405.00 ft			Final 790000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	49.00 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			5377.00	
Shut In Tool	5.00			5382.00	
Hydraulic tool	5.00			5387.00	
Jars	5.00			5392.00	
Safety Joint	3.00			5395.00	
Packer	5.00			5400.00	29.00 Bottom Of Top Packer
Packer	5.00			5405.00	
Stubb	1.00			5406.00	
Recorder	0.00	6625	Inside	5406.00	
Anchor	16.00			5422.00	
Recorder	0.00	10991	Outside	5422.00	
Bullnose	3.00			5425.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>49.00</b>			



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19707

DST#: 2

ATTN: Roger Fisher

Test Start: 2004.07.30 @ 09:20:26

**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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.32 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	1100' of gip	0.000
65.00	G&OCM 14%gas 16%oil 70%mud	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

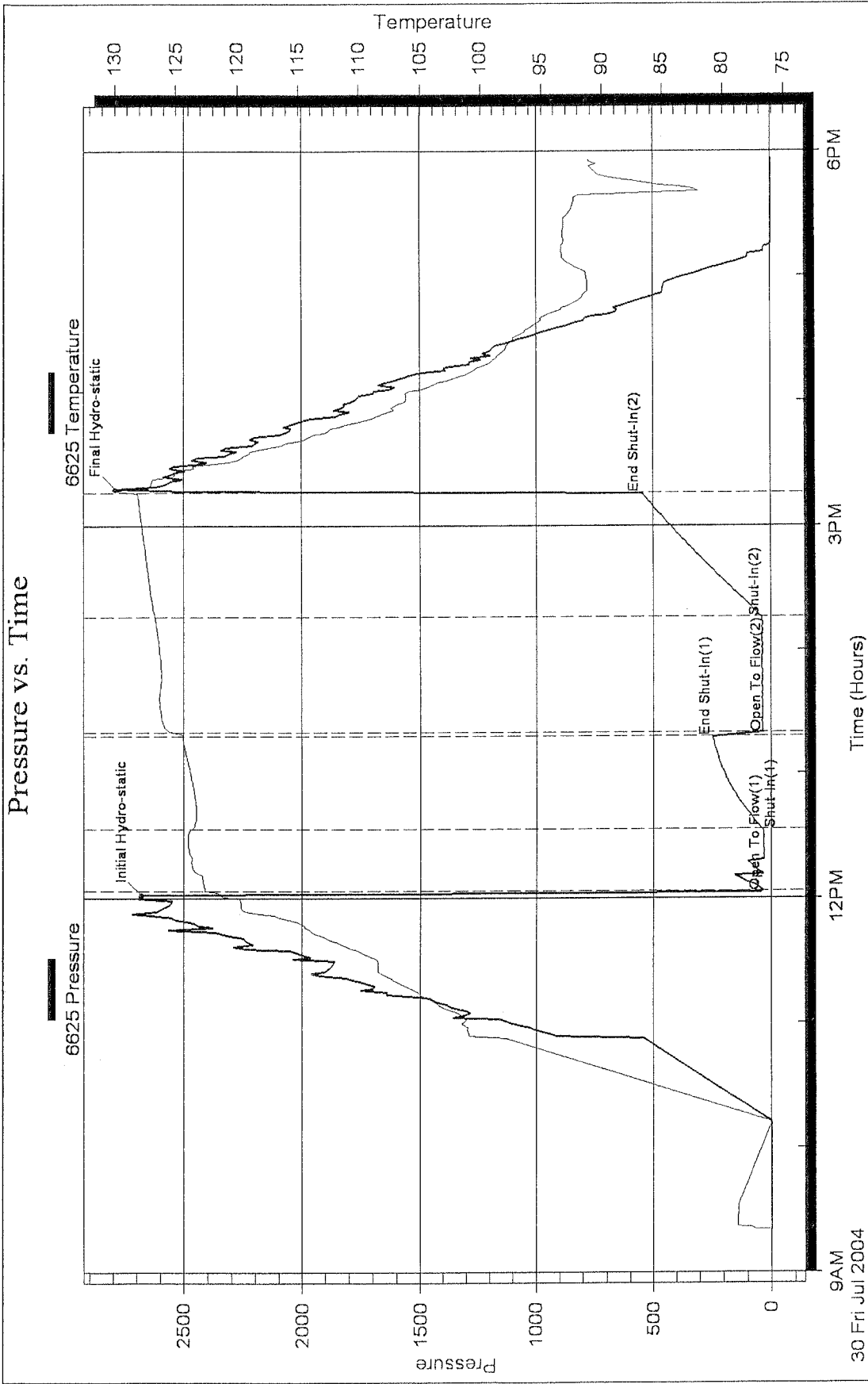
Serial #:

Laboratory Name:

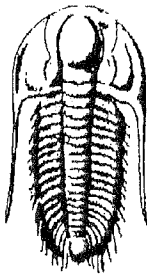
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



9AM  
30 Fri Jul 2004



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City,Kansas

ATTN: Roger Fisher

**19-32S-18W**

**Huck Trust-#1**

Start Date: 2004.07.31 @ 08:04:31

End Date: 2004.07.31 @ 16:28:31

Job Ticket #: 19708                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior,inc.

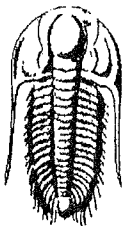
Huck Trust-#1

19-32S-18W

DST # 3

Mississippian

2004.07.31



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, inc.  
 P.O.Box 399  
 Garden City, Kansas  
 ATTN: Roger Fisher

**Huck Trust #1**  
**19-32S-18W**  
 Job Ticket: 19708      **DST#: 3**  
 Test Start: 2004.07.31 @ 08:04:31

## GENERAL INFORMATION:

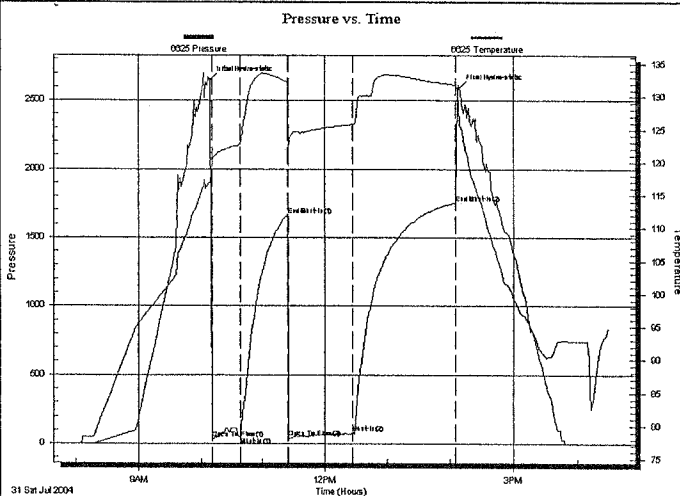
Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:11:01  
 Time Test Ended: 16:28:31  
 Interval: **5437.00 ft (KB) To 5520.00 ft (KB) (TVD)**  
 Total Depth: **5520.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Darren L.Amerine  
 Unit No: 19  
 Reference Elevations: 1946.00 ft (KB)  
 1933.00 ft (CF)  
 KB to GR/CF: 13.00 ft

## Serial #: 6625

Inside

Press@RunDepth: 74.88 psig @ 5438.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2004.07.31 End Date: 2004.07.31 Last Calib.: 2004.07.31  
 Start Time: 08:04:34 End Time: 16:28:31 Time On Btm: 2004.07.31 @ 10:09:16  
 Time Off Btm: 2004.07.31 @ 14:08:16

**TEST COMMENT:** IF: Strong blow b.o.b in 60 sec.  
 IS: Bled down n for 2 mins. no blow back.  
 FF: Strong blow b.o.b in 15 sec. GTS in 2 mins. gauge gas.  
 FS: Bled down n for 10 mins. no blow back.



## PRESSURE SUMMARY

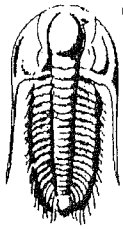
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2650.75	116.94	Initial Hydro-static
2	36.57	120.39	Open To Flow (1)
29	49.80	122.76	Shut-In(1)
76	1663.90	132.16	End Shut-In(1)
77	40.07	121.92	Open To Flow (2)
139	74.88	125.79	Shut-In(2)
236	1753.89	131.80	End Shut-In(2)
239	2589.56	126.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	5266' of gip	0.00
145.00	GCM 20% gas 80% mud	0.71

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	0.30	23.32
Last Gas Rate		0.00	
Max. Gas Rate	0.13	8.20	8.46



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, inc.  
P.O.Box 399  
Garden City, Kansas  
ATTN: Roger Fisher

Huck Trust-#1  
19-32S-18W  
Job Ticket: 19708      DST#: 3  
Test Start: 2004.07.31 @ 08:04:31

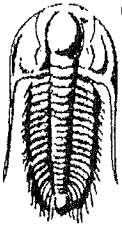
### Tool Information

Drill Pipe:	Length: 5224.84 ft	Diameter: 3.80 inches	Volume: 73.29 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 186.16 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 74.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5437.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	112.00 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			5409.00	
Shut In Tool	5.00			5414.00	
Hydraulic tool	5.00			5419.00	
Jars	5.00			5424.00	
Safety Joint	3.00			5427.00	
Packer	5.00			5432.00	29.00      Bottom Of Top Packer
Packer	5.00			5437.00	
Stubb	1.00			5438.00	
Recorder	0.00	6625	Inside	5438.00	
Anchor	17.00			5455.00	
Recorder	0.00	10991	Outside	5455.00	
Blank Spacing	63.00			5518.00	
Bullnose	2.00			5520.00	83.00      Bottom Packers & Anchor

**Total Tool Length: 112.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19708

DST#: 3

ATTN: Roger Fisher

Test Start: 2004.07.31 @ 08:04:31

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.58 in<sup>3</sup>

Resistivity: 0.50 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 0.32 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5266' of gip	0.000
145.00	GCM 20%gas 80%mud	0.713

Total Length: 145.00 ft

Total Volume: 0.713 bbl

Num Fluid Samples: 1

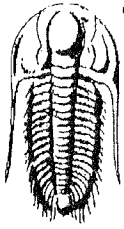
Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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

# DRILL STEM TEST REPORT

GAS RATES

American Warrior, inc.

Huck Trust #1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19708

DST#: 3

ATTN: Roger Fisher

Test Start: 2004.07.31 @ 08:04:31

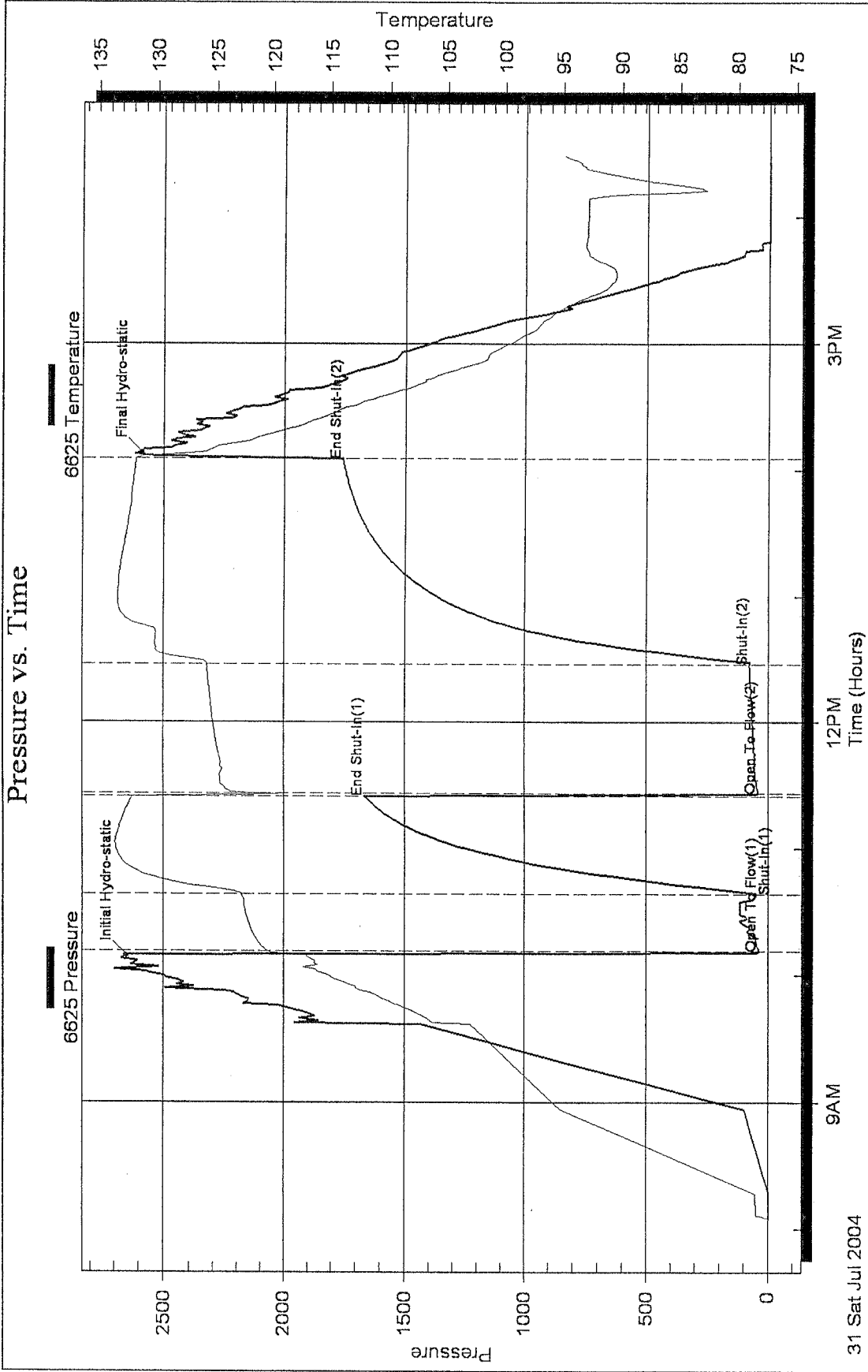
## Gas Rates Information

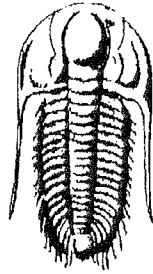
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	12	0.25	0.30	23.32
2	22	0.13	1.40	5.91
2	32	0.13	3.40	6.66
2	42	0.13	5.20	7.34
2	52	0.13	6.50	7.82
2	60	0.13	8.20	8.46
0	0	-999999.00	0.00	-999999.00

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City, Kansas

ATTN: Roger Fisher

**19-32S-18W**

**Huck Trust-#1**

Start Date: 2004.08.01 @ 05:33:16

End Date: 2004.08.01 @ 13:17:46

Job Ticket #: 19709                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior,inc.

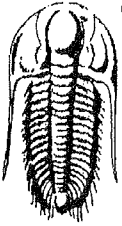
Huck Trust-#1

19-32S-18W

DST # 4

Mississippian

2004.08.01



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, inc.  
P.O.Box 399  
Garden City, Kansas  
ATTN: Roger Fisher

**Huck Trust #1**  
**19-32S-18W**  
Job Ticket: 19709      **DST#: 4**  
Test Start: 2004.08.01 @ 05:33:16

## GENERAL INFORMATION:

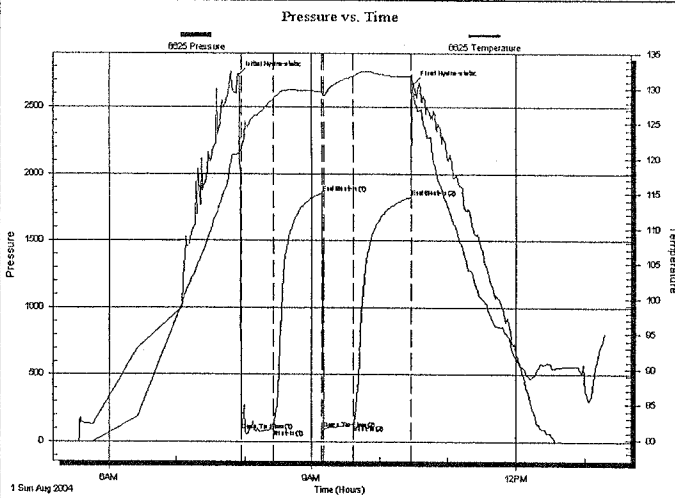
Formation: **Mississippian**  
Deviated: **No Whipstock:**      ft (KB)      Test Type: **Conventional Bottom Hole**  
Time Tool Opened: 07:56:16      Tester: **Darren L.Amerine**  
Time Test Ended: 13:17:46      Unit No: **19**  
Interval: **5520.00 ft (KB) To 5590.00 ft (KB) (TVD)**      Reference Elevations: **1946.00 ft (KB)**  
Total Depth: **5590.00 ft (KB) (TVD)**      **1933.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**      KB to GR/CF: **13.00 ft**

## Serial #: 6625

Inside

Press@RunDepth: **130.53 psig @ 5521.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2004.08.01**      End Date: **2004.08.01**      Last Calib.: **2004.08.01**  
Start Time: **05:33:19**      End Time: **13:17:46**      Time On Btm: **2004.08.01 @ 07:54:31**  
Time Off Btm: **2004.08.01 @ 10:30:16**

TEST COMMENT: IF: Fair to strong blow b.o.b in 5 mins.  
IS: Bled down for 10 mins. no blow back.  
FF: Weak blow b.o.b in 6 mins.  
FS: Bled down for 10 mins. built back to 1/2" in H2O bucket.



## PRESSURE SUMMARY

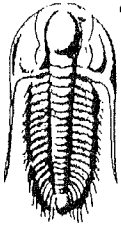
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2738.72	120.84	Initial Hydro-static
2	81.67	121.33	Open To Flow (1)
31	95.04	128.55	Shut-In(1)
75	1854.70	129.53	End Shut-In(1)
76	98.24	129.04	Open To Flow (2)
102	130.53	131.81	Shut-In(2)
154	1826.15	131.74	End Shut-In(2)
156	2675.21	128.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	640' gip	0.00
120.00	G&OCMV 10% gas 10% oil 50% water 30' 0.59d	
150.00	HG&OCM 20% gas 20% oil trace water 581.50d	

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

ATTN: Roger Fisher

Job Ticket: 19709      DST#: 4

Test Start: 2004.08.01 @ 05:33:16

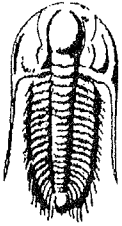
### Tool Information

Drill Pipe:	Length: 5316.84 ft	Diameter: 3.80 inches	Volume: 74.58 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 186.16 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 75.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5520.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	99.00 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			5492.00	
Shut In Tool	5.00			5497.00	
Hydraulic tool	5.00			5502.00	
Jars	5.00			5507.00	
Safety Joint	3.00			5510.00	
Packer	5.00			5515.00	29.00      Bottom Of Top Packer
Packer	5.00			5520.00	
Stubb	1.00			5521.00	
Recorder	0.00	6625	Inside	5521.00	
Anchor	34.00			5555.00	
Recorder	0.00	10991	Outside	5555.00	
Blank Spacing	30.00			5585.00	
Bullnose	5.00			5590.00	70.00      Bottom Packers & Anchor

**Total Tool Length: 99.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

## FLUID SUMMARY

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19709

DST#: 4

ATTN: Roger Fisher

Test Start: 2004.08.01 @ 05:33:16

### 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: 150000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.50 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.32 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	640'gip	0.000
120.00	G&OCMW 10%gas 10%oil 50%w ater 30%mu	0.590
150.00	HG&OCM 20%gas 20%oil trace w ater 58%mt	1.501

Total Length: 270.00 ft      Total Volume: 2.091 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

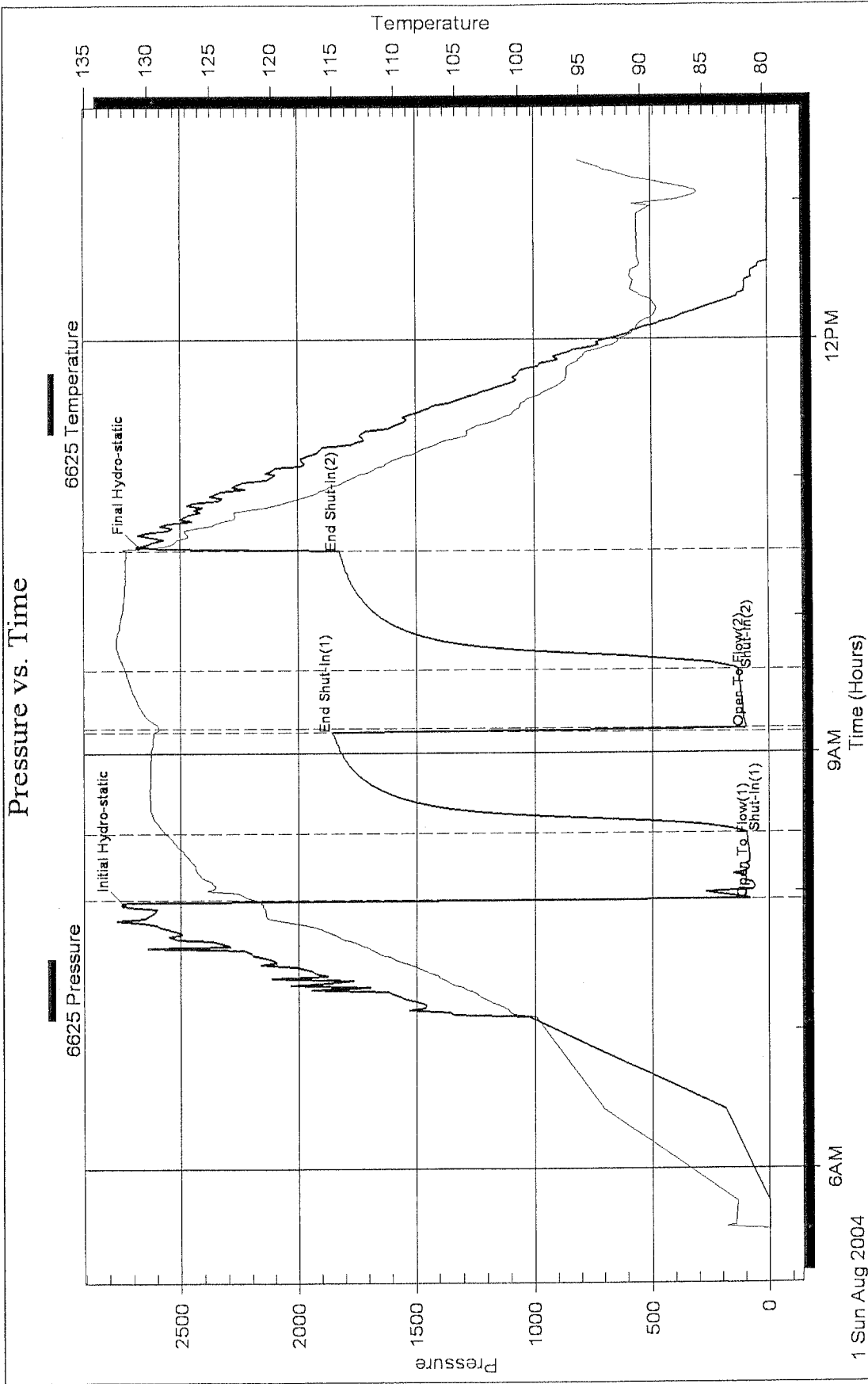
Serial #:

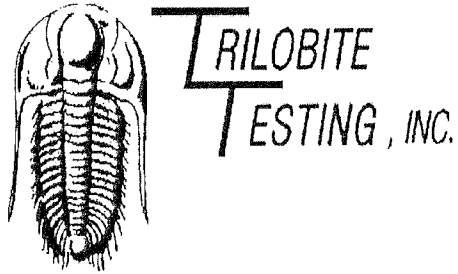
Laboratory Name:

Laboratory Location:

Recovery Comments: .05@85'=150000

### Pressure vs. Time





## DRILL STEM TEST REPORT

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

P.O.Box 399  
Garden City,Kansas

ATTN: Roger Fisher

**19-32S-18W**

**Huck Trust-#1**

Start Date: 2004.08.03 @ 23:16:14

End Date: 2004.08.04 @ 07:26:59

Job Ticket #: 19175                      DST #: 5

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

American Warrior,inc.

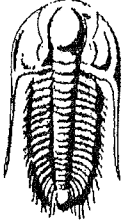
Huck Trust-#1

19-32S-18W

DST # 5

Viola

2004.08.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, inc.  
P.O.Box 399  
Garden City, Kansas  
ATTN: Roger Fisher

**Huck Trust-#1**  
**19-32S-18W**  
Job Ticket: 19175      DST#: 5  
Test Start: 2004.08.03 @ 23:16:14

## GENERAL INFORMATION:

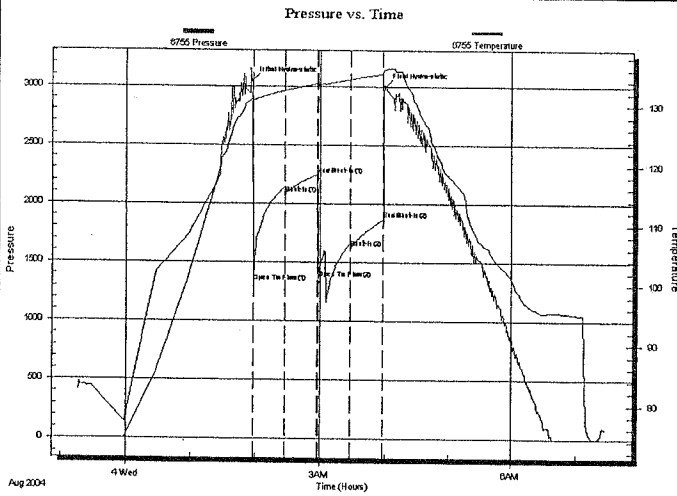
Formation: **Viola**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 01:58:14  
Time Test Ended: 07:26:59  
Interval: **6250.00 ft (KB) To 6310.00 ft (KB) (TVD)**  
Total Depth: **6310.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole**  
Tester: **Gary Pevoteaux**  
Unit No: **23**  
Reference Elevations: **1946.00 ft (KB)**  
**1933.00 ft (CF)**  
KB to GR/CF: **13.00 ft**

## Serial #: 6755

**Inside**

Press@RunDepth: **1621.08 psig @ 6251.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2004.08.03**      End Date: **2004.08.04**      Last Calib.: **2004.08.04**  
Start Time: **23:16:19**      End Time: **07:26:58**      Time On Btm: **2004.08.04 @ 01:56:59**  
Time Off Btm: **2004.08.04 @ 03:59:59**

TEST COMMENT: IF:Very weak blow . Dead in 14 mins.  
IS:No blow .  
FF:No blow .  
FS:No blow .



## PRESSURE SUMMARY

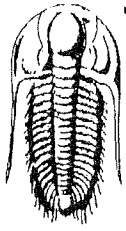
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3049.16	131.21	Initial Hydro-static
2	1332.44	130.94	Open To Flow (1)
31	2078.82	132.56	Shut-In(1)
61	2246.89	133.74	End Shut-In(1)
61	1360.04	133.55	Open To Flow (2)
91	1621.08	134.47	Shut-In(2)
121	1867.38	135.43	End Shut-In(2)
123	3001.43	136.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig.mud	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19175

DST#: 5

ATTN: Roger Fisher

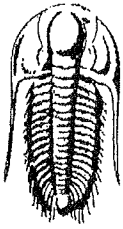
Test Start: 2004.08.03 @ 23:16:14

### Tool Information

Drill Pipe:	Length: 6063.00 ft	Diameter: 3.80 inches	Volume: 85.05 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 85.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	6250.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	87.00 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			6224.00	
Shut In Tool	5.00			6229.00	
Hydraulic tool	5.00			6234.00	
Jars	5.00			6239.00	
Safety Joint	2.00			6241.00	
Packer	4.00			6245.00	27.00 Bottom Of Top Packer
Packer	5.00			6250.00	
Stubb	1.00			6251.00	
Recorder	0.00	6755	Inside	6251.00	
Perforations	10.00			6261.00	
Change Over Sub	1.00			6262.00	
Blank Spacing	32.00			6294.00	
Change Over Sub	1.00			6295.00	
Perforations	10.00			6305.00	
Recorder	0.00	13222	Outside	6305.00	
Bullnose	5.00			6310.00	60.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>87.00</b>				



**TRILOBITE**  
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# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, inc.

Huck Trust-#1

P.O.Box 399  
Garden City, Kansas

19-32S-18W

Job Ticket: 19175

DST#: 5

ATTN: Roger Fisher

Test Start: 2004.08.03 @ 23:16:14

## 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:

7000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	Drig.mud	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM6##/bl.

# Pressure vs. Time

