

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O.Box 399
Garden City Ks.67846

ATTN: Steve Murphy

1-34s-6w Harper Ks.

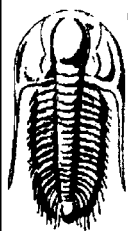
Ludeman #1-2

Start Date: 2005.08.04 @ 16:12:10

End Date: 2005.08.04 @ 22:07:40

Job Ticket #: 21755 DST #: 1

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 Ks. 67846

ATTN: Steve Murphy

Ludeman #1-2

1-34s-6w Harper Ks.

Job Ticket: 21755

DST#: 1

Test Start: 2005.08.04 @ 16:12:10

GENERAL INFORMATION:

Formation: **K.C. "B"**

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

Time Tool Opened: 17:54:25

Time Test Ended: 22:07:40

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **3771.00 ft (KB) To 3796.00 ft (KB) (TVD)**

Total Depth: **3796.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1255.00 ft (KB)**

1247.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755

Inside

Press@RunDepth: **27.90 psig @ 3772.00 ft (KB)**

Start Date: **2005.08.04**

End Date: **2005.08.04**

Start Time: **16:12:15**

End Time: **22:07:39**

Capacity: **7000.00 psig**

Last Calib.: **2005.08.04**

Time On Btm: **2005.08.04 @ 17:54:10**

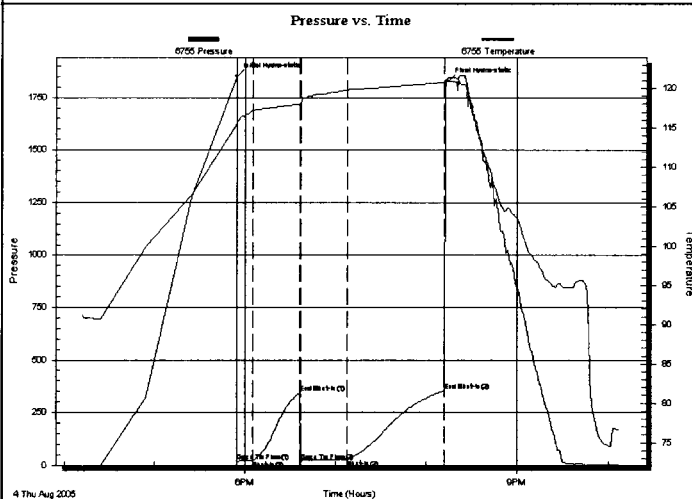
Time Off Btm: **2005.08.04 @ 20:14:10**

TEST COMMENT: **IF: Weak blow . 1/4 - 1/2".**

ISI: No blow .

FF: Weak blow . 1/4".

FSI: No blow .



PRESSURE SUMMARY

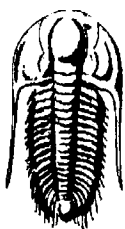
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.19	115.44	Initial Hydro-static
1	18.89	115.75	Open To Flow (1)
11	22.47	117.17	Shut-In(1)
43	344.33	117.98	End Shut-In(1)
43	19.59	118.06	Open To Flow (2)
74	27.90	119.78	Shut-In(2)
138	352.89	120.75	End Shut-In(2)
140	1826.63	121.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilg. mud	0.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Ludeman #1-2

P.O.Box 399
Garden City Ks.67846

1-34s-6w Harper Ks.

Job Ticket: 21755

DST#: 1

ATTN: Steve Murphy

Test Start: 2005.08.04 @ 16:12:10

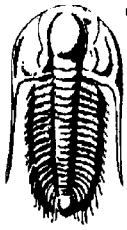
Tool Information

Drill Pipe:	Length:	3773.00 ft	Diameter:	3.80 inches	Volume:	52.93 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	52.93 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		29.00 ft					String Weight: Initial	52000.00 lb
Depth to Top Packer:		3771.00 ft					Final	53000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		25.00 ft						
Tool Length:		52.00 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			3745.00	
Shut In Tool	5.00			3750.00	
Hydraulic tool	5.00			3755.00	
Jars	5.00			3760.00	
Safety Joint	2.00			3762.00	
Packer	4.00			3766.00	27.00 Bottom Of Top Packer
Packer	5.00			3771.00	
Stubb	1.00			3772.00	
Recorder	0.00	6755	Inside	3772.00	
Perforations	19.00			3791.00	
Recorder	0.00	13222	Outside	3791.00	
Bullnose	5.00			3796.00	25.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Ludeman #1-2

P.O.Box 399
Garden City Ks. 67846

1-34s-6w Harper Ks.

Job Ticket: 21755

DST#: 1

ATTN: Steve Murphy

Test Start: 2005.08.04 @ 16:12:10

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: 39.00 sec/qt

Cushion Volume:

bbl

Water Loss: 15.97 in³

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 bbl
10.00	Drlg.mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6755

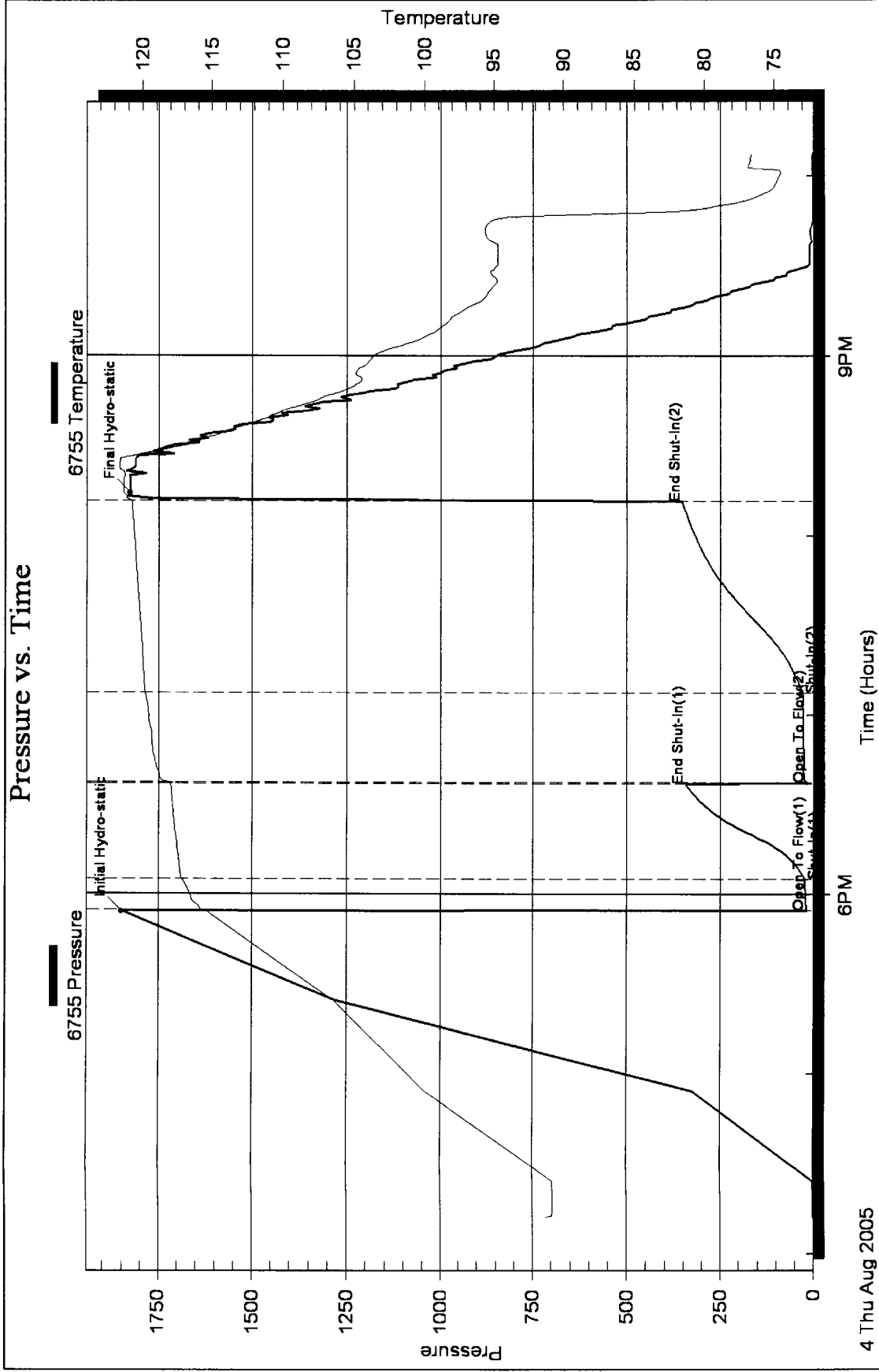
Inside

American Warrior Inc.

1-34s-6w Harper Ks.

DST Test Number: 1

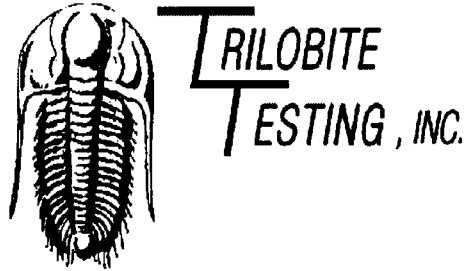
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 21755

Printed: 2005.08.11 @ 10:25:28 Page 5



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

P.O.Box 399
Garden City Ks.67846

ATTN: Steve Murphy

1-34s-6w Harper Ks.

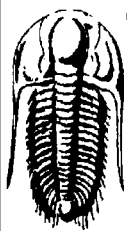
Ludeman #1-2

Start Date: 2005.08.06 @ 20:48:25

End Date: 2005.08.07 @ 02:20:40

Job Ticket #: 21756 DST #: 2

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



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TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.

P.O.Box 399
Garden City Ks. 67846

ATTN: Steve Murphy

Ludeman #1-2

1-34s-6w Harper Ks.

Job Ticket: 21756

DST#: 2

Test Start: 2005.08.06 @ 20:48:25

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 22:40:10

Time Test Ended: 02:20:40

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4459.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Total Depth: **4475.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1255.00 ft (KB)**

1247.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **16.99 psig @ 4460.00 ft (KB)**

Start Date: **2005.08.06**

End Date: **2005.08.07**

Start Time: **20:48:30**

End Time: **02:20:39**

Capacity: **7000.00 psig**

Last Calib.: **2005.08.07**

Time On Btm: **2005.08.06 @ 22:37:55**

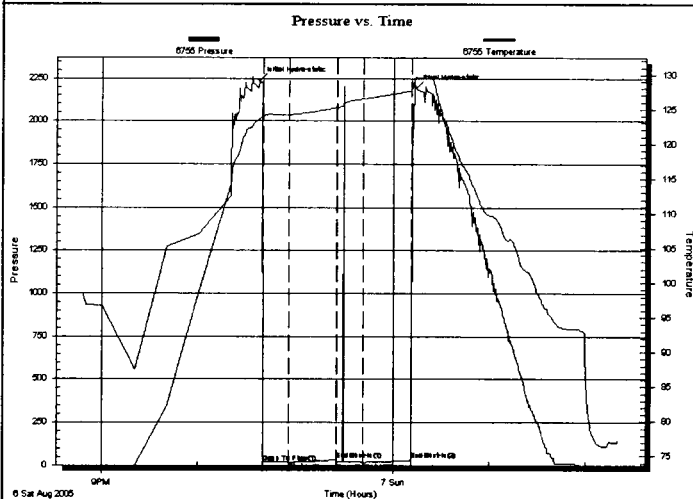
Time Off Btm: **2005.08.07 @ 00:14:10**

TEST COMMENT: **IF:Weak surge No blow.**

IS:No blow.

FF:No blow. Flushed tool 4 mins.in to FFP. No blow.

FS:No blow.



PRESSURE SUMMARY

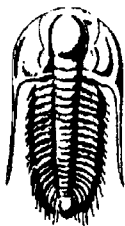
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.15	123.51	Initial Hydro-static
3	18.12	123.67	Open To Flow (1)
19	16.51	124.19	Shut-In(1)
48	33.05	125.24	End Shut-In(1)
48	17.70	125.24	Open To Flow (2)
64	16.99	126.48	Shut-In(2)
94	29.79	127.68	End Shut-In(2)
97	2193.40	129.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drig.mud	0.04

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Ludeman #1-2

P.O.Box 399
Garden City Ks.67846

1-34s-6w Harper Ks.

Job Ticket: 21756

DST#: 2

ATTN: Steve Murphy

Test Start: 2005.08.06 @ 20:48:25

Tool Information

Drill Pipe:	Length:	4459.00 ft	Diameter:	3.80 inches	Volume:	62.55 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	92000.00 lb
					Total Volume:	62.55 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft						String Weight: Initial	62000.00 lb
Depth to Top Packer:	4459.00 ft						Final	63000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	16.00 ft							
Tool Length:	43.00 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			4433.00	
Shut In Tool	5.00			4438.00	
Hydraulic tool	5.00			4443.00	
Jars	5.00			4448.00	
Safety Joint	2.00			4450.00	
Packer	4.00			4454.00	27.00 Bottom Of Top Packer
Packer	5.00			4459.00	
Stubb	1.00			4460.00	
Recorder	0.00	6755	Inside	4460.00	
Perforations	10.00			4470.00	
Recorder	0.00	13222	Outside	4470.00	
Bullnose	5.00			4475.00	16.00 Bottom Packers & Anchor

Total Tool Length: 43.00



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Ludeman #1-2

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Garden City Ks.67846

1-34s-6w Harper Ks.

Job Ticket: 21756

DST#: 2

ATTN: Steve Murphy

Test Start: 2005.08.06 @ 20:48:25

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:

5000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Drig.mud	0.042

Total Length: 3.00 ft

Total Volume: 0.042 bbl

Num Fluid Samples: 0

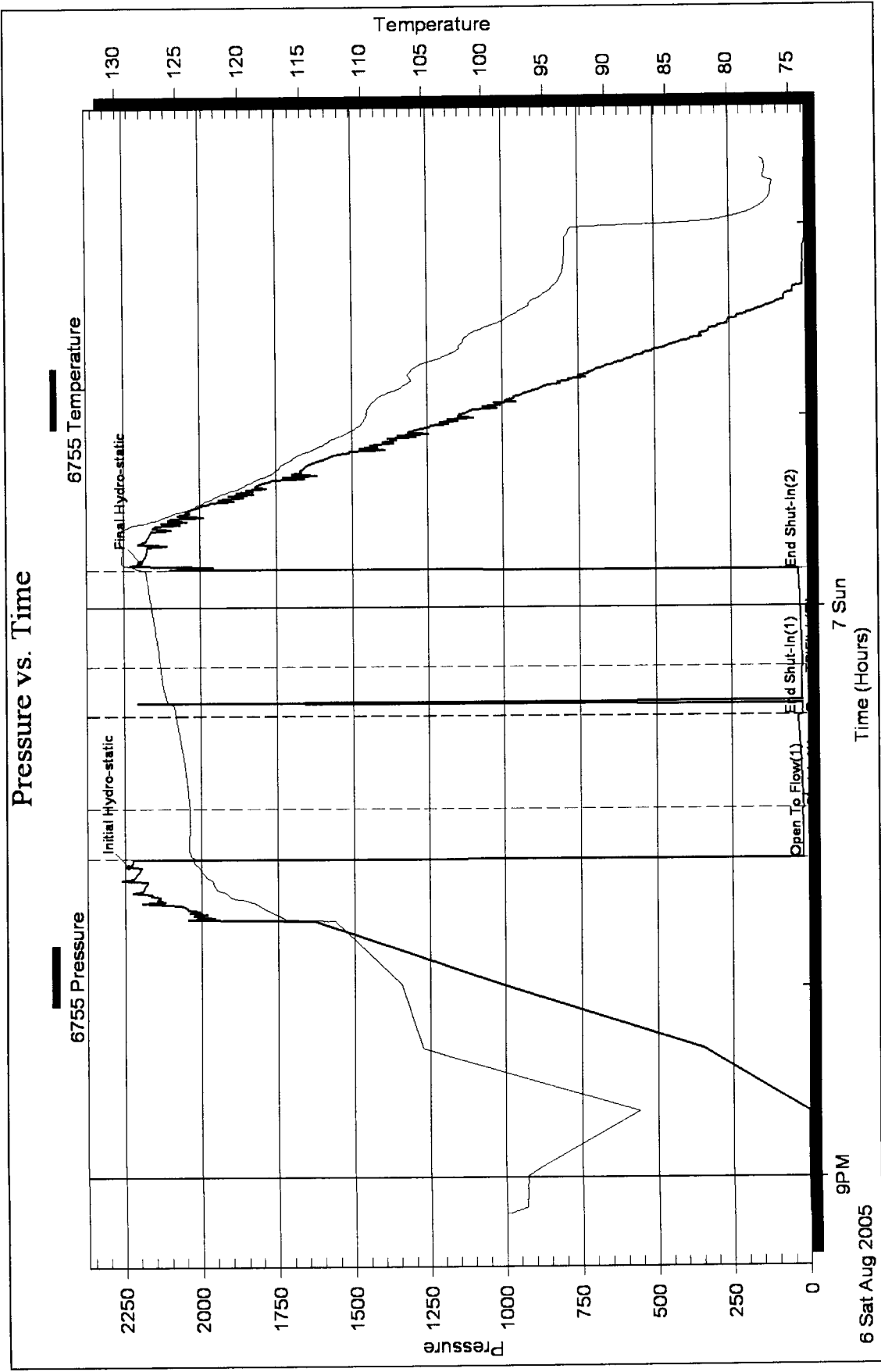
Num Gas Bombs: 0

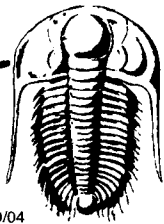
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21755

Test Ticket

Well Name & No. Ludeman #1-2 Test No. 1 Date 8-4-05
 Company American Warrior Inc. Zone Tested KC. "B"
 Address P.O. Box 399, Garden City Ks. 67846 Elevation 1255 KB 1247 GL
 Co. Rep / Geo. Steve Murphy Cont. Duke Dalg. #2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 1 Twp. 34 S Rge. 6 W Co. Hays State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3771 - 3796' Initial Str Wt./Lbs. 52000 Unseated Str Wt./Lbs. 53000
 Anchor Length 25' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3766' Tool Weight 2100#
 Bottom Packer Depth 3771' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3796' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.0 LCM Vis. 39 WL 16.00 Drill Pipe Size 4 1/2" Ft. Run 3773'
 Blow Description IF: Weak below 1/4 - 1/2" ISI: No below
FF: Weak below 1/4" FSI: No below

Recovery - Total Feet 10 GIP ~ Ft. in DC ~ Ft. in DP 10
 Rec. 10 Feet of Only 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 121 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API
 RW N.C. @ ~ °F Chlorides 7,000 ppm Recovery _____ Chlorides 7,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1850</u> PSI	<u>6755</u>	<u>✓ 950</u>
(B) First Initial Flow Pressure	<u>19</u> PSI	<u>3772'</u>	<u>✓ 200</u>
(C) First Final Flow Pressure	<u>22</u> PSI	<u>13222</u>	<u>✓ 50</u>
(D) Initial Shut-In Pressure	<u>344</u> PSI	<u>3791'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>20</u> PSI	<u>~</u>	Sampler _____
(F) Second Final Flow Pressure	<u>28</u> PSI	<u>~</u>	Straddle _____
(G) Final Shut-In Pressure	<u>353</u> PSI	<u>Initial Opening</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1827</u> PSI	<u>Initial Shut-In</u>	Shale Packer _____
		<u>Final Flow</u>	Ruined Packer _____
		<u>Final Shut-In</u>	Mileage <u>✓ 160</u>
		<u>T-On Location</u>	Sub Total: <u>1360</u>
		<u>T-Started</u>	Std. By _____
		<u>T-Open</u>	Other _____
		<u>T-Pulled</u>	Total: <u>1360.00</u>
		<u>T-Out</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 _____
 Our Representative Cory Kuehling

CHART PAGE

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

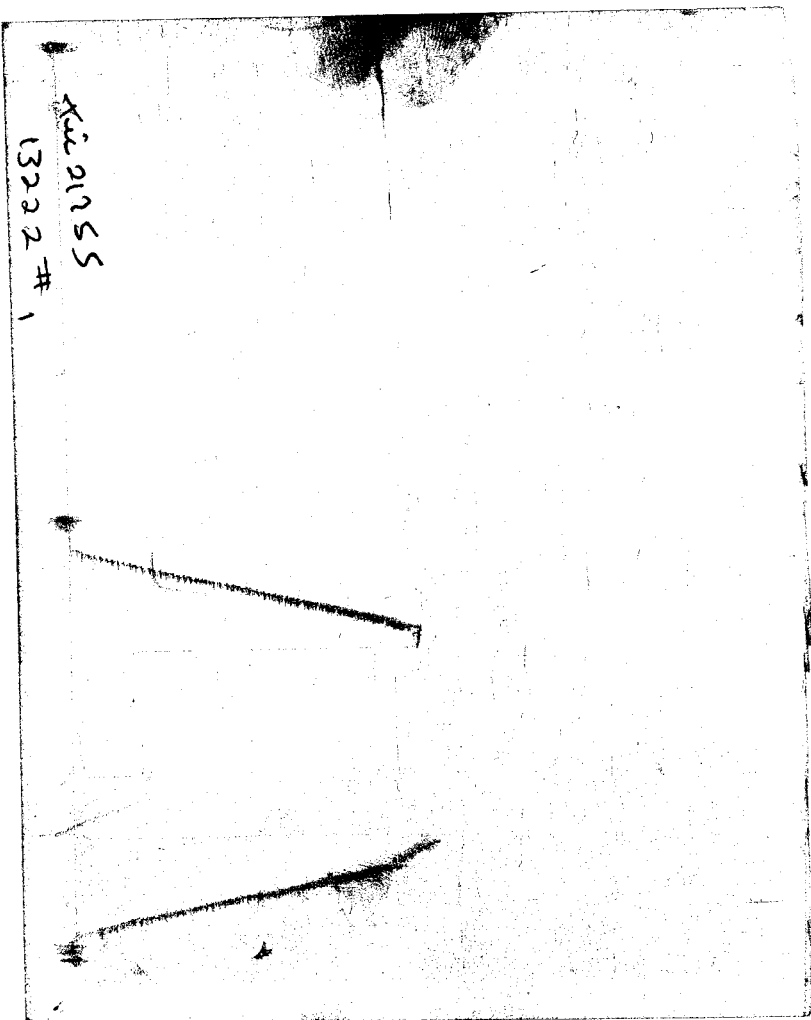


CHART PAGE

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

