



**TRILOBITE
TESTING, INC.**

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KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

33-12s-16w Ellis KS

Klotz #1-33

Start Date: 2001.08.24 @ 22:20:16

End Date: 2001.08.25 @ 04:53:15

Job Ticket #: 15277 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: Cecil O'Brate

Klotz #1-33
33-12s-16w Ellis KS
Job Ticket: 15277 DST#: 1
Test Start: 2001.08.24 @ 22:20:16

GENERAL INFORMATION:

Formation: LKC B C D E&F zone

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:28:15

Time Test Ended: 04:53:15

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3277.00 ft (KB) To 3352.00 ft (KB) (TVD)

Total Depth: 3352.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2044.00 ft (KB)

2036.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 3024

Inside

Press@RunDepth: 29.04 psig @ 3286.02 ft (KB)

Start Date: 2001.08.24

End Date:

2001.08.25

Start Time: 22:20:16

End Time:

04:53:15

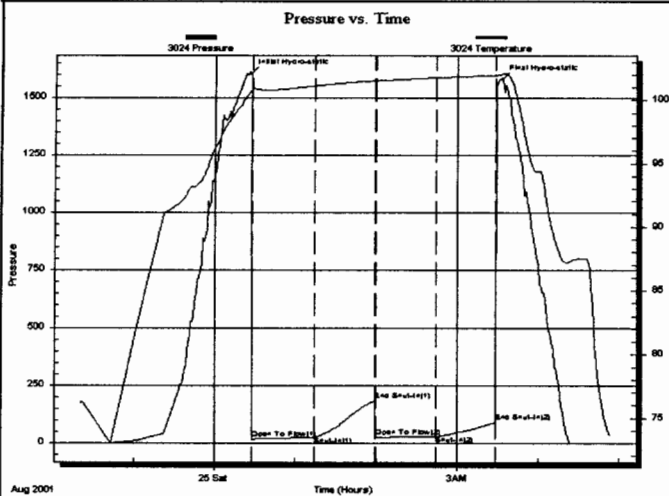
Capacity: 7000.00 psig

Last Calib.: 2001.08.25

Time On Btm: 2001.08.25 @ 00:26:15

Time Off Btm: 2001.08.25 @ 03:33:15

TEST COMMENT: IFP-vy w k bl died in 25min
FFP-no bl
times 45-45-45-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.47	100.69	Initial Hydro-static
2	17.59	100.89	Open To Flow (1)
48	24.54	101.12	Shut-In(1)
93	184.74	101.53	End Shut-In(1)
93	25.80	101.54	Open To Flow (2)
138	29.04	101.76	Shut-In(2)
183	92.21	101.96	End Shut-In(2)
187	1580.03	102.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w/show of oil	0.02

Gas Rates

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

Klotz #1-33

 P O Box 399
 Garden City KS 67846

33-12s-16w Ellis KS

Job Ticket: 15277

DST#: 1

ATTN: Cecil O'Brate

Test Start: 2001.08.24 @ 22:20:16

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 45.46 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3277.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.02 ft			
Tool Length:	96.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3257.00	
S.I. Tool	5.00			3262.00	
HMV	5.00			3267.00	
Packer	5.00			3272.00	21.00 Bottom Of Top Packer
Packer	5.00			3277.00	
Stubb	1.00			3278.00	
Perforations	4.00			3282.00	
Recorder	0.01	11085	Outside	3282.01	
Perforations	3.00			3285.01	
C.O. Sub	1.00			3286.01	
Recorder	0.01	3024	Inside	3286.02	
Blank Spacing	31.00			3317.02	
C.O. Sub	1.00			3318.02	
Perforations	31.00			3349.02	
Bullnose	3.00			3352.02	75.02 Bottom Packers & Anchor

Total Tool Length: 96.02


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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Klotz #1-33

 P O Box 399
Garden City KS 67846

33-12s-16w Ellis KS

Job Ticket: 15277

DST#: 1

ATTN: Cecil O'Brate

Test Start: 2001.08.24 @ 22:20:16

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:

ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

 Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w/show of oil	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

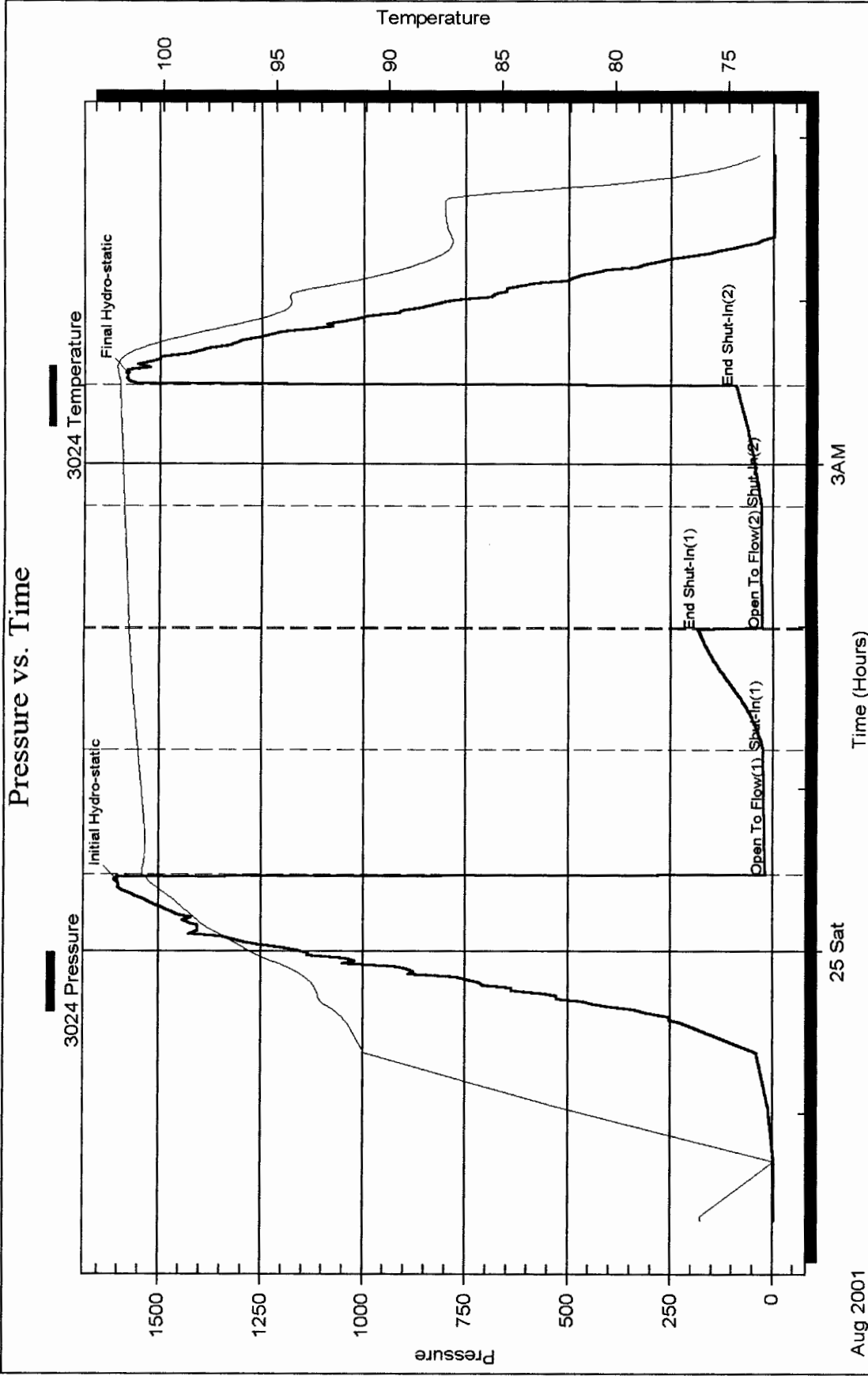
Serial #: 3024

Inside

American Warrior Inc

DST Test Number: 1

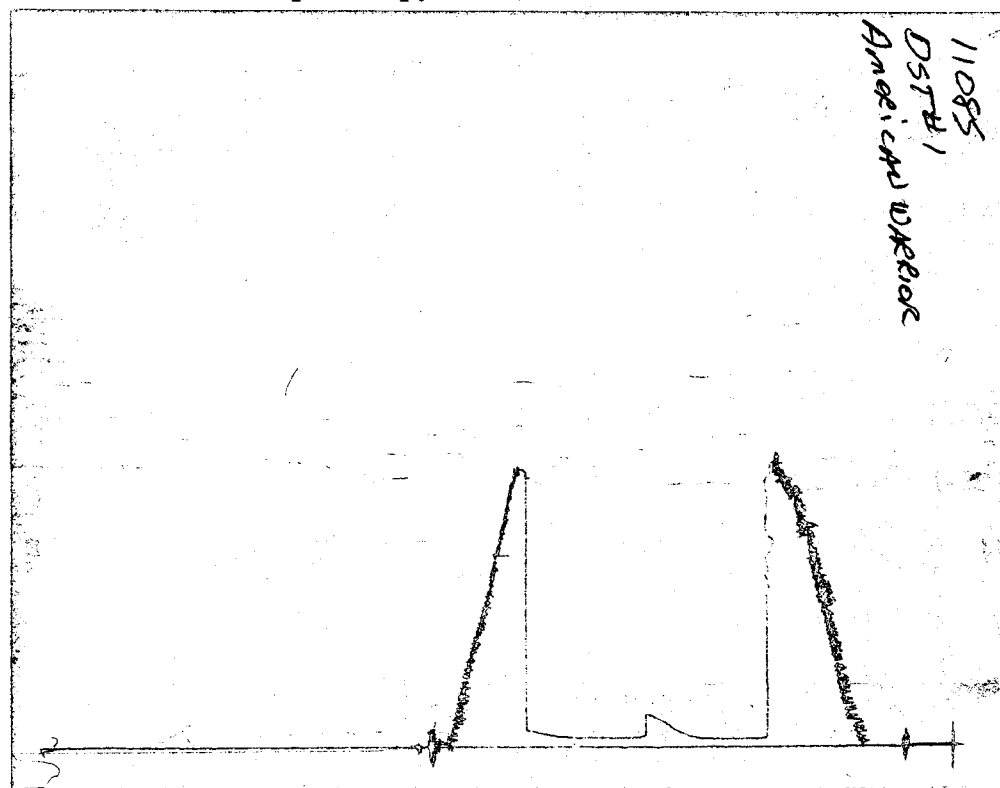
Pressure vs. Time

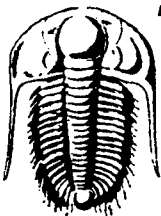


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CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15277

Test Ticket

Well Name & No. <u>KLOTZ # 1-33</u>	Test No. <u>1</u>	Date <u>8-24-01</u>
Company <u>AMERICAN WARRIOR, Inc</u>	Zone Tested <u>LKC</u>	
Address <u>P.O. Box 399 Garden City, Mo 67846</u>	Elevation <u>2044</u>	KB <u>2036</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Discovery rig 2</u>	Est. Ft. of Pay <u>-</u> Por. <u>-</u> %
Location: Sec. <u>33</u> Twp. <u>12^S</u> Rge. <u>16^W</u>	Co. <u>ELLIS</u>	State <u>Ks</u>
No. of Copies <u>Reg</u> Distribution Sheet (Y, N) <u>-</u>	Turnkey (Y, N) <u>-</u>	Evaluation (Y, N) <u>-</u>

Interval Tested <u>3277-3352</u>	Initial Str Wt./Lbs. <u>44000</u>	Unseated Str Wt./Lbs. <u>44000</u>
Anchor Length <u>75</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3272</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3277</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3352</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.3</u> LCM <u>-</u> Vis. <u>43</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3230</u>
Blow Description <u>IFP - Very Weak Blow died in 25 min</u> <u>FFP - No Blow</u>		

Recovery — Total Feet <u>5</u>	GIP <u>-</u>	Ft. in DC <u>5</u>	Ft. in DP <u>-</u>
Rec. <u>5</u> Feet Of <u>Mud</u>	%gas	%oil	%water %mud
Rec. <u>-</u> Feet Of <u>w/shoud go 1</u>	%gas	%oil	%water %mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water %mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water %mud
Rec. <u>-</u> Feet Of <u>-</u>	%gas	%oil	%water %mud
BHT <u>102</u> °F Gravity <u>-</u>	°API D@ <u>-</u>	°F Corrected Gravity <u>-</u>	°API
RW <u>-</u> @ <u>-</u> °F Chlorides <u>-</u>	ppm Recovery	Chlorides <u>3000</u>	ppm System

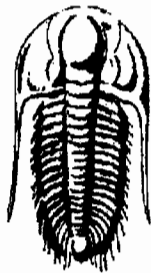
(A) Initial Hydrostatic Mud	AK-1 <u>1605</u>	Alpine	PSI Recorder No. <u>3024</u>	T-On Location <u>2130</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>3286</u>	T-Started <u>2215</u>
(C) First Final Flow Pressure	<u>24</u>	PSI	Recorder No. <u>11085</u>	T-Open <u>0020</u>
(D) Initial Shut-In Pressure	<u>184</u>	PSI	(depth) <u>3282</u>	T-Pulled <u>0320</u>
(E) Second Initial Flow Pressure	<u>25</u>	PSI	Recorder No. <u>-</u>	T-Out <u>0445</u>
(F) Second Final Flow Pressure	<u>29</u>	PSI	(depth) <u>-</u>	T-Off Location <u>0500</u>
(G) Final Shut-in Pressure	<u>92</u>	PSI	Initial Opening <u>45</u>	Test <u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>1580</u>	PSI	Initial Shut-in <u>45</u>	Jars <u>-</u>
			Final Flow <u>45</u>	Safety Joint <u>-</u>
			Final Shut-in <u>45</u>	Straddle <u>-</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 RAY SCHWAGER Hankyou

Mileage ✓ 20
Other -
TOTAL PRICE \$ ✓ 270



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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

P O Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

33-12s-16w Ellis KS

Klotz #1-33

Start Date: 2001.08.25 @ 14:25:25

End Date: 2001.08.25 @ 19:22:24

Job Ticket #: 15278 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


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DRILL STEM TEST REPORT

American Warrior Inc
P O Box 399
Garden City KS 67846
ATTN: Cecil O'Brate

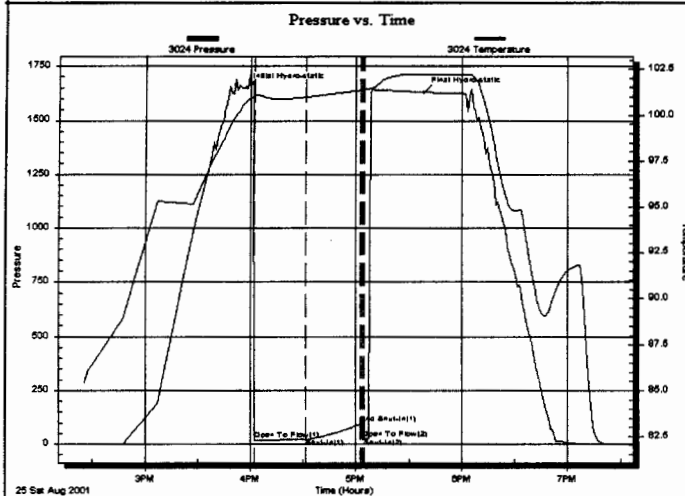
Klotz #1-33
33-12s-16w Ellis KS
Job Ticket: 15278 DST#: 2
Test Start: 2001.08.25 @ 14:25:25

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:01:54
Time Test Ended: 19:22:24
Interval: **3382.00 ft (KB) To 3450.00 ft (KB) (TVD)**
Total Depth: 3352.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 16
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: **3024** Inside
Press@RunDepth: 21.61 psig @ 3391.02 ft (KB)
Start Date: 2001.08.25 End Date: 2001.08.25
Start Time: 14:25:25 End Time: 19:22:24
Capacity: 7000.00 psig
Last Calib.: 2001.08.25
Time On Btm: 2001.08.25 @ 15:57:24
Time Off Btm: 2001.08.25 @ 17:38:24

TEST COMMENT: IFP-vy w k bl died in 8min
FFP-no bl flushed tool
times 30-30-5 TOHw/tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.25	100.74	Initial Hydro-static
5	16.11	101.04	Open To Flow (1)
34	21.61	100.98	Shut-In(1)
65	94.95	101.34	End Shut-In(1)
66	22.65	101.35	Open To Flow (2)
67	23.28	101.36	Shut-In(2)
101	1630.32	102.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 1%oil 99% mud	0.02

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
P O Box 399
Garden City KS 67846
ATTN: Cecil O'Brate

Klotz #1-33
33-12s-16w Ellis KS
Job Ticket: 15278 **DST#: 2**
Test Start: 2001.08.25 @ 14:25:25

Tool Information

Drill Pipe:	Length: 3352.00 ft	Diameter: 3.80 inches	Volume: 47.02 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 47.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3382.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.02 ft				
Tool Length:	89.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3362.00	
S.I. Tool	5.00			3367.00	
HMV	5.00			3372.00	
Packer	5.00			3377.00	21.00 Bottom Of Top Packer
Packer	5.00			3382.00	
Stubb	1.00			3383.00	
Perforations	4.00			3387.00	
Recorder	0.01	11085	Outside	3387.01	
Perforations	3.00			3390.01	
C.O. Sub	1.00			3391.01	
Recorder	0.01	3024	Inside	3391.02	
Blank Spacing	30.00			3421.02	
C.O. Sub	1.00			3422.02	
Perforations	25.00			3447.02	
Bullnose	3.00			3450.02	68.02 Bottom Packers & Anchor

Total Tool Length: 89.02



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

Klotz #1-33

P O Box 399
Garden City KS 67846

33-12s-16w Ellis KS

Job Ticket: 15278

DST#: 2

ATTN: Cecil O'Brate

Test Start: 2001.08.25 @ 14:25:25

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:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 1%oil 99%mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

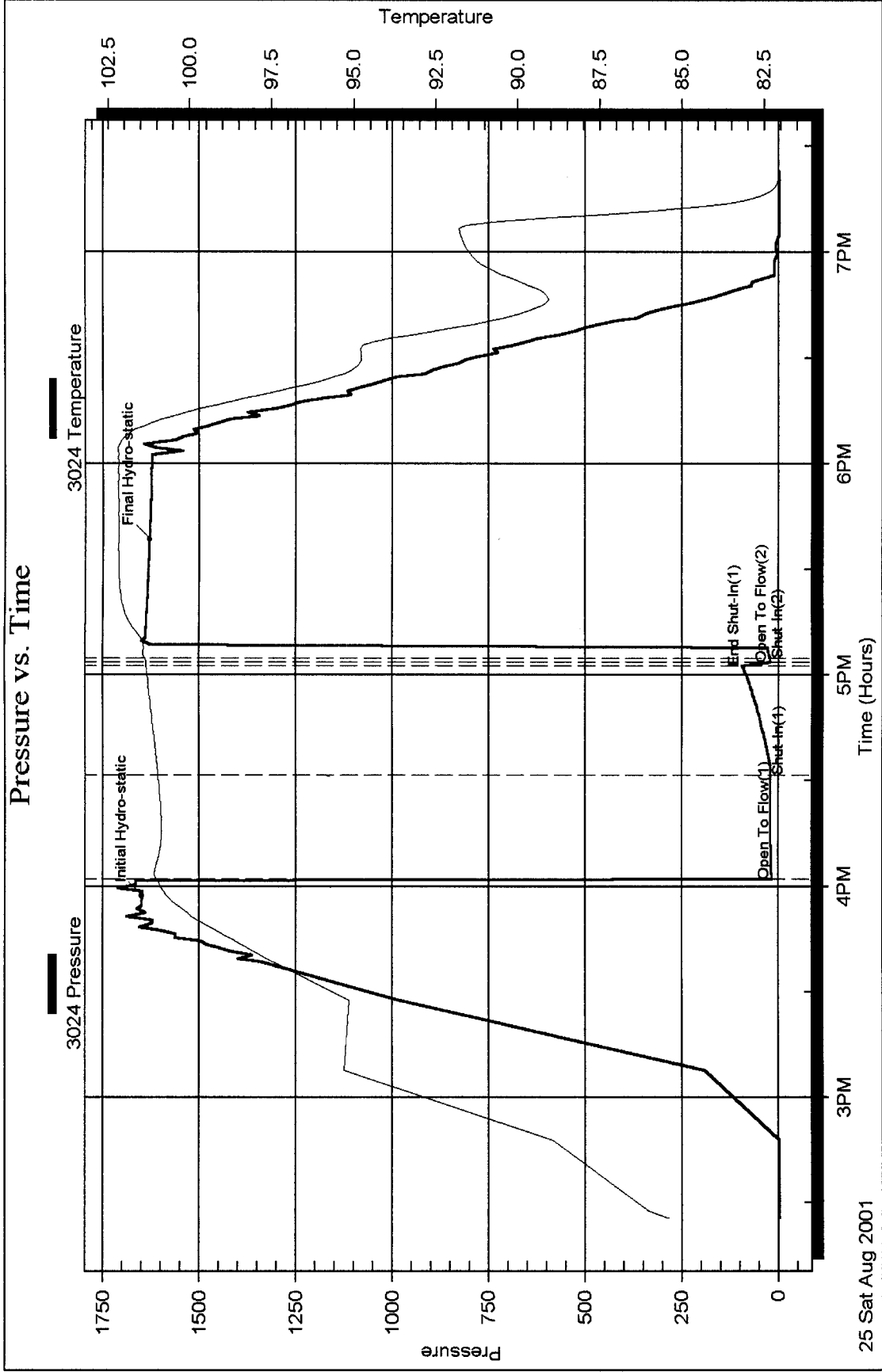
DST Test Number: 2

33-12s-16w Ellis KS

Inside American Warrior Inc

Serial #: 3024

Pressure vs. Time



Trilobite Testing, Inc

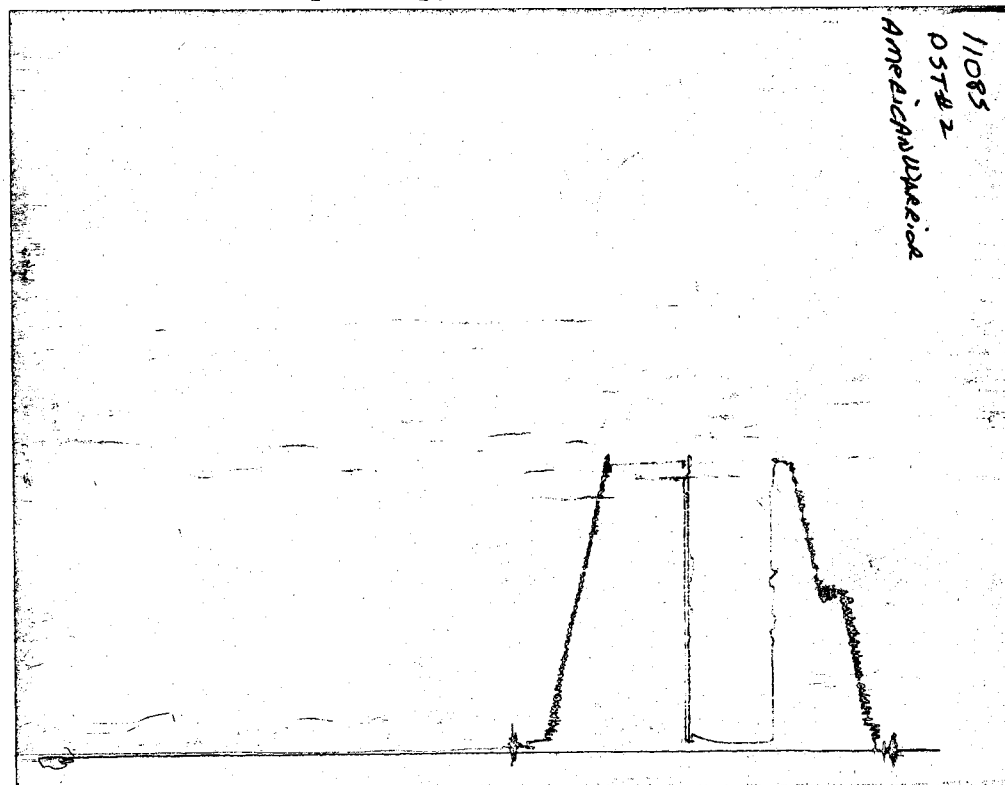
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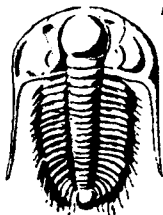
Printed: 2001.08.27 @ 14:56:22 Page 5

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CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15278

Test Ticket

Well Name & No. <u>KLOTZ #1-33</u>	Test No. <u>2</u>	Date <u>8-25-01</u>
Company <u>AMERICAN WARRIOR, Inc</u>	Zone Tested <u>LKC</u>	
Address <u>P.O. Box 399 Garden City, Mo 67846</u>	Elevation <u>2044</u>	KB <u>2036</u> GL
Co. Rep / Geo. <u>Ron Nelson</u>	Cont. <u>Discovery rig 2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>33</u> Twp. <u>12^s</u> Rge. <u>16</u>	Co. <u>Ellis</u>	State <u>Ks</u>
No. of Copies <u>Reg</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>3382-3450</u>	Initial Str Wt./Lbs. <u>45000</u>	Unseated Str Wt./Lbs. <u>45000</u>
Anchor Length <u>68</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3377</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3382</u>	Hole Size — 7 7/8" <u>yes</u>	Rubber Size — 6 3/4" <u>yes</u>
Total Depth <u>3450</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.2</u> LCM <u> </u> Vis. <u>44</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3352</u>
Blow Description <u>IFP - Very Weak Blow died in 8 min</u> <u>FFP - No Blow, flushed Tool</u>		

Recovery — Total Feet <u>5</u>	GIP <u> </u>	Ft. in DC <u>5</u>	Ft. in DP <u> </u>
Rec. <u>5</u> Feet Of <u>50 CM</u>	%gas <u>1</u>	%oil <u> </u>	%water <u>99</u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>101</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F Chlorides <u> </u>	ppm Recovery <u> </u>	Chlorides <u>400</u>	ppm System <u> </u>

	AK-1	Alpine	
(A) Initial Hydrostatic Mud	<u>1649</u>	PSI Recorder No. <u>3024</u>	T-On Location <u>1400</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI (depth) <u>3391</u>	T-Started <u>1420</u>
(C) First Final Flow Pressure	<u>21</u>	PSI Recorder No. <u>11085</u>	T-Open <u>1555</u>
(D) Initial Shut-In Pressure	<u>94</u>	PSI (depth) <u>3387</u>	T-Pulled <u>1700</u>
(E) Second Initial Flow Pressure	<u>22</u>	PSI Recorder No. <u> </u>	T-Out <u>1915</u>
(F) Second Final Flow Pressure	<u>23</u>	PSI (depth) <u> </u>	T-Off Location <u>2000</u>
(G) Final Shut-in Pressure	<u> </u>	PSI Initial Opening <u>30</u>	Test <u>700</u>
(Q) Final Hydrostatic Mud	<u>1630</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>
		Final Flow <u>5</u>	Safety Joint <u> </u>
		Final Shut-in <u> </u>	Straddle <u> </u>
			Circ. Sub <u> </u>
			Sampler <u> </u>
			Extra Packer <u> </u>
			Elec. Rec. <u>150</u>
			Mileage <u>20</u>
			Other <u> </u>
			TOTAL PRICE \$ <u>870</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 Ray Schwager Hanky