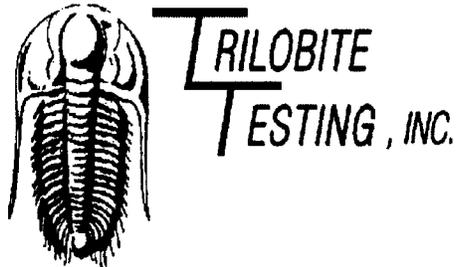


15-033-21274

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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846-0399

ATTN: Al Downing

Com Co.7-33S-19W

Smitherman "1-7"

Start Date: 2001.11.09 @ 11:14:15

End Date: 2001.11.09 @ 15:28:45

Job Ticket #: 14950 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.
PO Box 399
Garden City, KS 67846-0399
ATTN: Al Downing

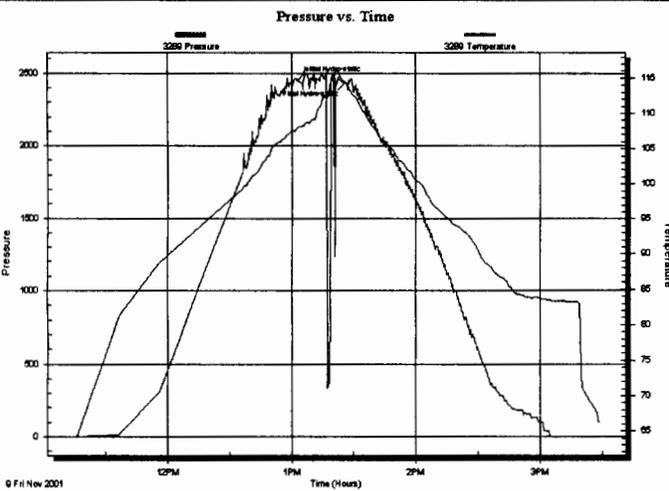
Smitherman "1-7"
Com Co.7-33S-19W
Job Ticket: 14950 **DST#: 1**
Test Start: 2001.11.09 @ 11:14:15

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:10:00
Time Test Ended: 15:28:45
Test Type: Conventional Bottom Hole
Tester: Lanny Saloga
Unit No: 14
Interval: **5106.00 ft (KB) To 5241.00 ft (KB) (TVD)**
Reference Elevations: 1893.00 ft (KB)
Total Depth: 5241.00 ft (KB) (TVD) 1880.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GRVCF: 13.00 ft

Serial #: 3289 **Inside**
Press@RunDepth: psig @ 5114.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.11.09 End Date: 2001.11.09 Last Calib.: 1899.12.30
Start Time: 11:14:20 End Time: 15:28:45 Time On Btm: 2001.11.09 @ 13:03:00
Time Off Btm: 2001.11.09 @ 13:25:45

TEST COMMENT: Mis-run "Packer Failure" Opened tool 5 times.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2448.61	108.02	Initial Hydro-static
23	2435.14	114.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
650.00	Mud 100%M	5.91
0.00	Mis-run "Packer Failure"	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 14950

DST#: 1

ATTN: Al Downing

Test Start: 2001.11.09 @ 11:14:15

Tool Information

Drill Pipe:	Length: 4742.00 ft	Diameter: 3.80 inches	Volume: 66.52 bbl	Tool Weight: 3800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 45000.00 lb
Drill Collar:	Length: 352.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose: 3000.00 lb
			<u>Total Volume: 68.25 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5106.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	135.00 ft			
Tool Length:	162.00 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			5080.00	
S.I. Tool	5.00			5085.00	
HMV	5.00			5090.00	
Jars	5.00			5095.00	
Safety Joint	2.00			5097.00	
Packer	4.00			5101.00	27.00 Bottom Of Top Packer
Packer	5.00			5106.00	
Stubb	1.00			5107.00	
Perforations	6.00			5113.00	
C.O. Sub	1.00			5114.00	
Recorder	0.00	3289	Inside	5114.00	
Blank Spacing	124.00			5238.00	
Recorder	0.00	10242	Inside	5238.00	
C.O. Sub	1.00			5239.00	
Bullnose	2.00			5241.00	135.00 Bottom Packers & Anchor

Total Tool Length: 162.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67846-0399
ATTN: Al Downing

Smitherman "1-7"
Com Co.7-33S-19W
Job Ticket: 14950 **DST#: 1**
Test Start: 2001.11.09 @ 11:14:15

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
650.00	Mud 100%M	5.911
0.00	Mis-run "Packer Failure"	0.000

Total Length: 650.00 ft Total Volume: 5.911 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

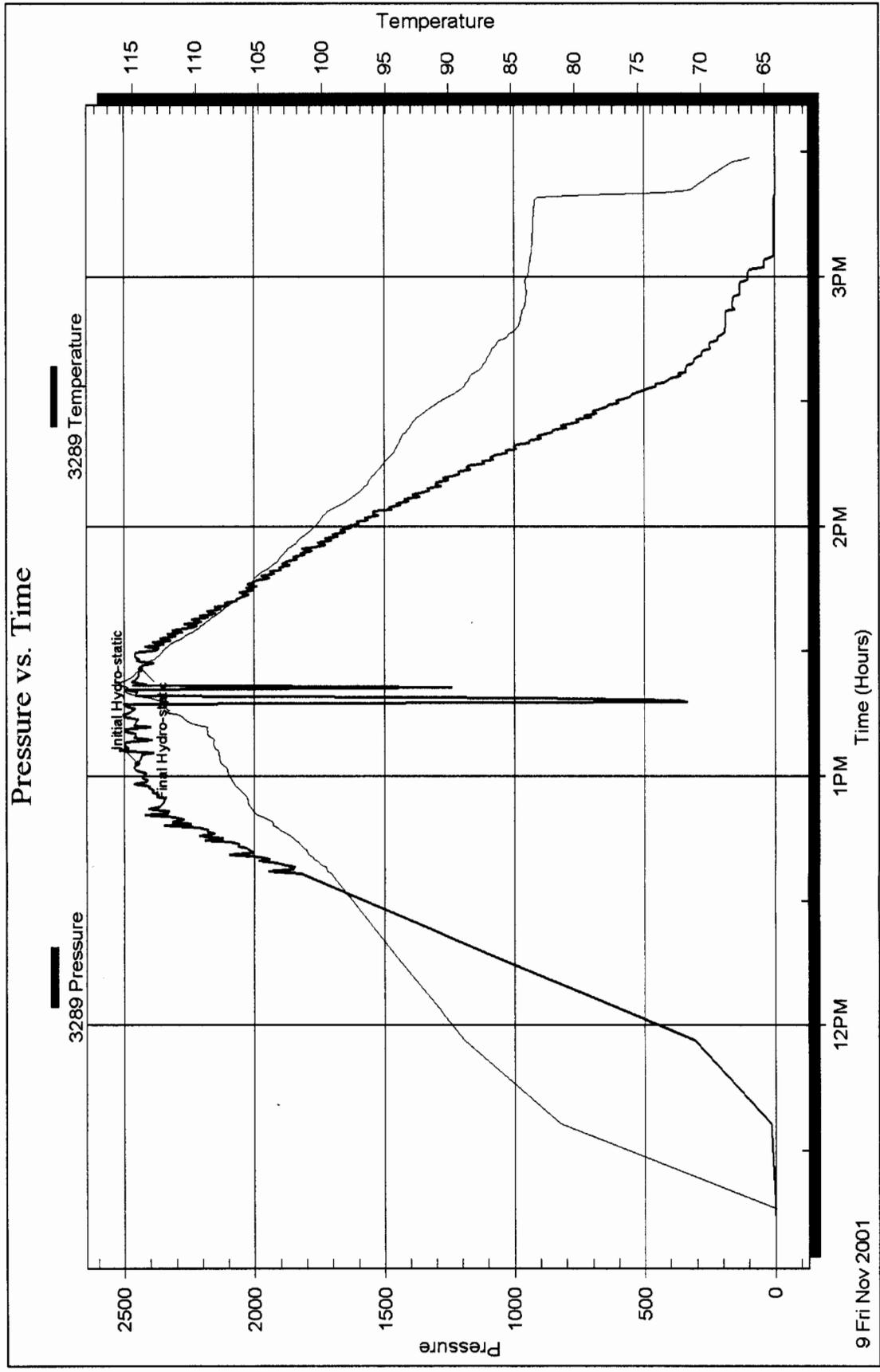
Serial #: 3289

Inside

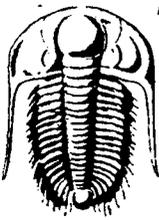
American Warrior Inc.

Com Co.7-33S-19W

DST Test Number: 1



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KCC WICHITA



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14950

Test Ticket

Well Name & No. Smithman "1-7" Test No. 1 Date 11-9-01
 Company American Waccias, Inc. Zone Tested Miss.
 Address G.C. KS. 67846 Elevation 1893 KB 1880 GL
 Co. Rep / Geo. Al Downing Cont. Duke Rig 7 Est. Ft. of Pay Por. %
 Location: Sec. 7 Twp. 33.5 Rge. 19 W Co. Cochise State KS.
 No. of Copies Req. Distribution Sheet (Y, N) N. Turnkey (Y, N) N. Evaluation (Y, N)

Interval Tested 5106-5241 Initial Str Wt./Lbs. 28,000 Unseated Str Wt./Lbs. 29,000
 Anchor Length 135' Tool = 27' Wt. Set Lbs. 45,000 Wt. Pulled Loose/Lbs. 3,000
 Top Packer Depth 5101 Tool Weight 3,800
 Bottom Packer Depth 5106 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5241 Wt. Pipe Run Drill Collar Run 352
 Mud Wt. 9.2 LCM 2# Vis. 62 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 4742 15' up
 Blow Description

Miss-Run "Packer Failure" Opened tool 5 times

Recovery — Total Feet 650 GIP 0 Ft. in DC 352 Ft. in DP 298
 Rec. 650 Feet Of Mud %gas %oil %water 100 %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2448</u>	PSI	Recorder No. <u>3289 "11:14"</u>	T-On Location	<u>10:30 AM</u>
(B) First Initial Flow Pressure	<u> </u>	PSI	(depth) <u>5114</u>	T-Started	<u>11:14 AM</u>
(C) First Final Flow Pressure	<u> </u>	PSI	Recorder No. <u>10242</u>	T-Open	<u>1:10 PM</u>
(D) Initial Shut-In Pressure	<u> </u>	PSI	(depth) <u>5238</u>	T-Pulled	<u>1:25 PM</u>
(E) Second Initial Flow Pressure	<u> </u>	PSI	Recorder No. <u> </u>	T-Out	<u>5:15 P.M.</u>
(F) Second Final Flow Pressure	<u> </u>	PSI	(depth) <u> </u>	T-Off Location	<u> </u>
(G) Final Shut-in Pressure	<u> </u>	PSI	Initial Opening <u> </u>	Test	<u>700 Miss-Run</u> ✓
(Q) Final Hydrostatic Mud	<u>2435</u>	PSI	Initial Shut-in <u> </u>	Jars	<u>200</u> ✓
			Final Flow <u> </u>	Safety Joint	<u>150</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>75</u> ✓
				Other	<u> </u>

809/1114.289

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.

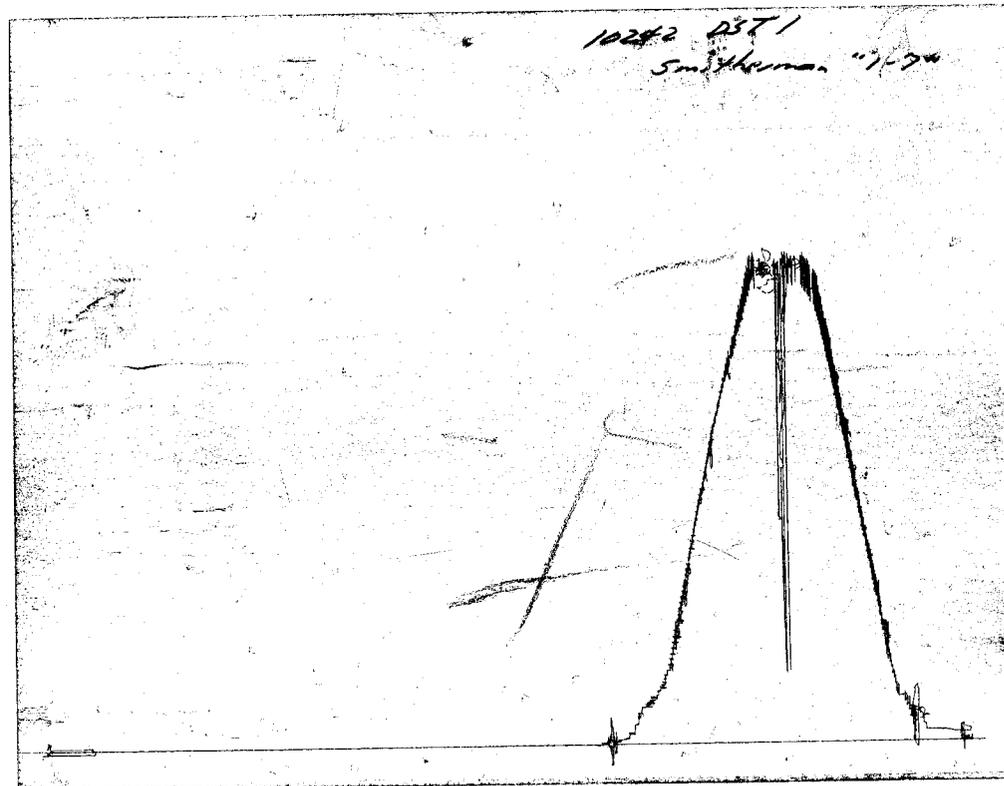
Approved By AL

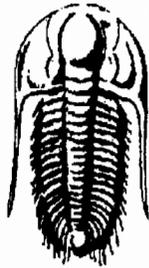
Our Representative James S. Sabas

TOTAL PRICE \$ 1,175.00

CHART PAGE

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





**TRILOBITE
TESTING, INC.**

RECEIVED
MAY 14 2001
KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846-0399

ATTN: Al Downing

Com Co.7-33S-19W

Smitherman "1-7"

Start Date: 2001.11.09 @ 15:40:38

End Date: 2001.11.10 @ 00:42:38

Job Ticket #: 15351 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.
PO Box 399
Garden City, KS 67846-0399
ATTN: Al Downing

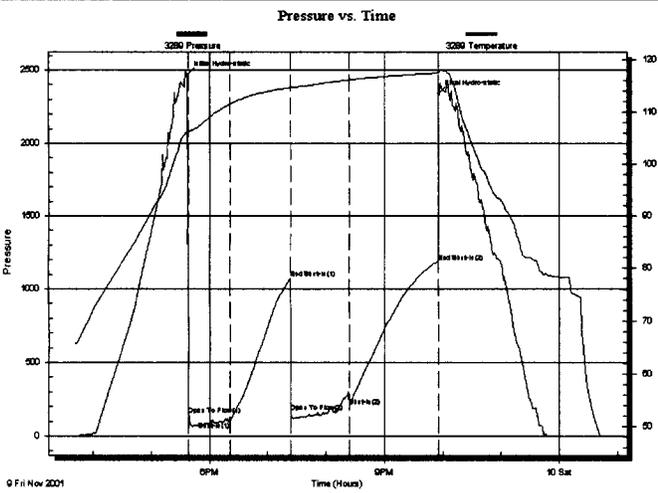
Smitherman "1-7"
Com Co.7-33S-19W
Job Ticket: 15351 **DST#: 2**
Test Start: 2001.11.09 @ 15:40:38

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:37:53
Time Test Ended: 00:42:38
Interval: **5014.00 ft (KB) To 5241.00 ft (KB) (TVD)**
Total Depth: 5241.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Lanny Saloga
Unit No: 14
Reference Elevations: 1893.00 ft (KB)
1880.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 3289 **Inside**
Press@RunDepth: 198.83 psig @ 5022.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.11.09 End Date: 2001.11.10 Last Calib.: 1899.12.30
Start Time: 15:40:43 End Time: 00:42:38 Time On Btm: 2001.11.09 @ 17:37:38
Time Off Btm: 2001.11.09 @ 21:55:52

TEST COMMENT: 1/2" built to strong OBB in 4 min. I.F.P.
No blow-back. I.S.I.P.
1" built to strong OBB in 4 min. F.F.P.
No blow-back. F.S.I.P.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2464.92	106.27	Initial Hydro-static
1	142.46	105.80	Open To Flow (1)
44	98.68	111.48	Shut-in(1)
106	1070.24	114.63	End Shut-in(1)
106	159.30	114.73	Open To Flow (2)
166	198.83	116.08	Shut-in(2)
258	1183.79	117.38	End Shut-in(2)
259	2340.11	117.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Sli GcM 8%G 92%M	1.18

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 15351

DST#: 2

ATTN: Al Downing

Test Start: 2001.11.09 @ 15:40:38

Tool Information

Drill Pipe:	Length: 4649.00 ft	Diameter: 3.80 inches	Volume: 65.21 bbl	Tool Weight: 4300.00 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: 352.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose: 6000.00 lb
			<u>Total Volume: 66.94 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5014.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	227.00 ft			
Tool Length:	254.00 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			4988.00	
S.I. Tool	5.00			4993.00	
HMV	5.00			4998.00	
Jars	5.00			5003.00	
Safety Joint	2.00			5005.00	
Packer	4.00			5009.00	27.00 Bottom Of Top Packer
Packer	5.00			5014.00	
Stubb	1.00			5015.00	
Perforations	6.00			5021.00	
C.O. Sub	1.00			5022.00	
Recorder	0.00	3289	Inside	5022.00	
Blank Spacing	216.00			5238.00	
Recorder	0.00	10242	Inside	5238.00	
C.O. Sub	1.00			5239.00	
Bullnose	2.00			5241.00	227.00 Bottom Packers & Anchor

Total Tool Length: 254.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 15351 **DST#: 2**

ATTN: Al Downing

Test Start: 2001.11.09 @ 15:40:38

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Sli GcM 8%G 92%M	1.180

Total Length: 240.00 ft Total Volume: 1.180 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3289

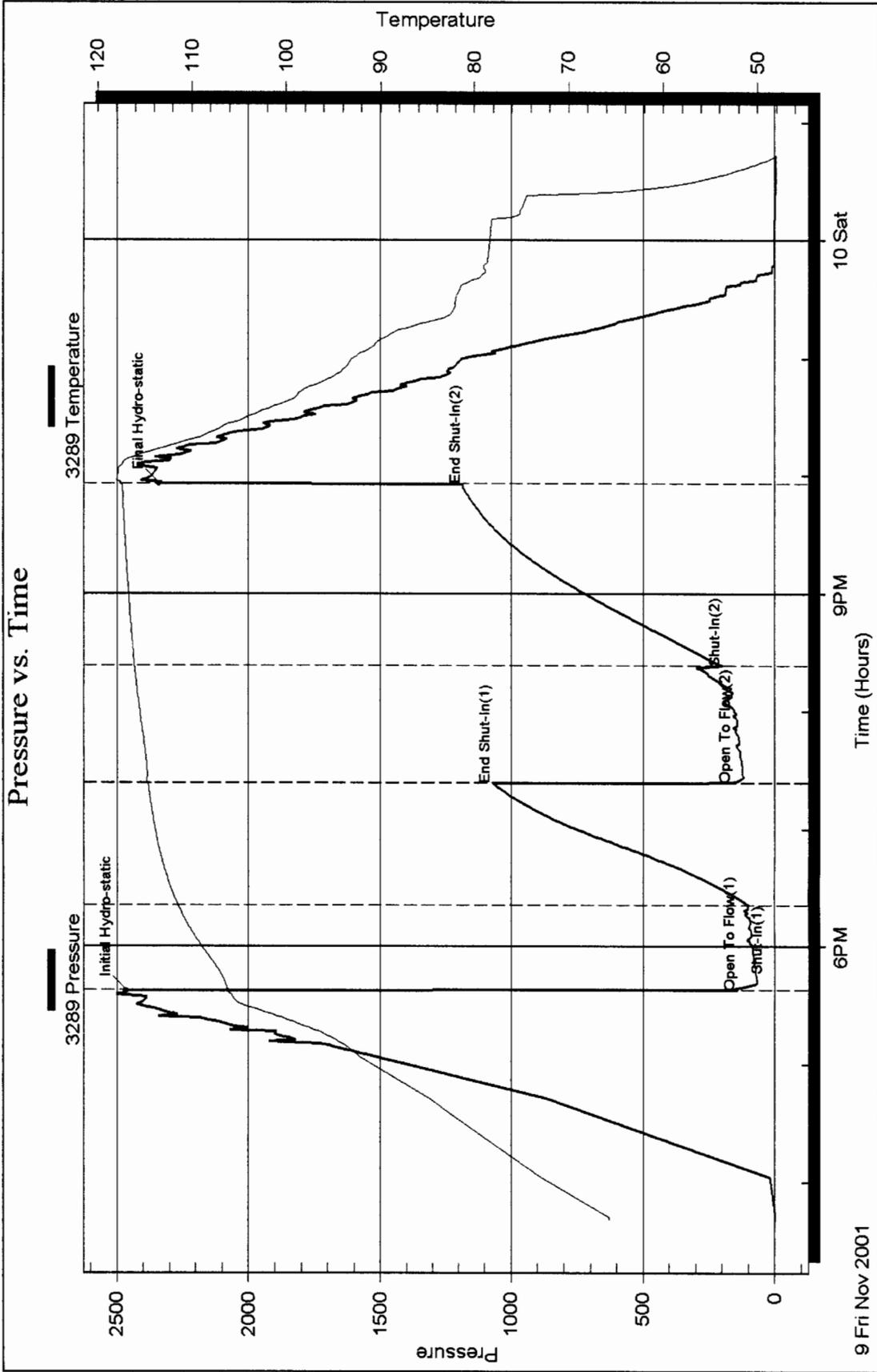
Inside

American Warrior Inc.

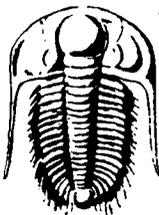
Com Co.7-33S-19W

DST Test Number: 2

Pressure vs. Time



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KCC WICHITA



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15351

Test Ticket

Well Name & No. Smitherman "1-7" Test No. 2 Date 11-9-01
 Company American Warrior Inc. Zone Tested Miss.
 Address G.C. KS. 62846 Elevation 1893 KB 1880 GL
 Co. Rep / Geo. Al Downing Cont. Duke Rig 7 Est. Ft. of Pay Por. %
 Location: Sec. 7 Twp. 33S Rge. 17W Co. Cumanche State KS
 No. of Copies Reg. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 5014-5241 Initial Str Wt./Lbs. 78000 Unseated Str Wt./Lbs. 79000
 Anchor Length 227' Tail=27' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 6000
 Top Packer Depth 5009 Tool Weight 4,300
 Bottom Packer Depth 5014 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5241 Wt. Pipe Run Drill Collar Run 352
 Mud Wt. 9.2 LCM 2# Vis. 6.2 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 4649 14' up
 Blow Description 1/2" built to string OBB in 4 min. F.O.P.
No blow-back. T.S.T.P.
1" built to string OBB in 4 min. F.O.P.
No blow-back. F.S.T.P.

Recovery — Total Feet 240 GIP 4100 Ft. in DC 240 Ft. in DP 0
 Rec. 240 Feet Of 51.6 Gall 8 %gas %oil %water 92 %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 117 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2396</u>			<u>3289 "15=40"</u>	<u>15:15 10:30 AM</u>
(B) First Initial Flow Pressure	<u>78</u>			(depth) <u>5022</u>	T-Started <u>3:40 P.M.</u>
(C) First Final Flow Pressure	<u>98</u>			Recorder No. <u>10242</u>	T-Open <u>5:40 P.M.</u>
(D) Initial Shut-In Pressure	<u>1070</u>			(depth) <u>5238</u>	T-Pulled <u>9:55 P.M.</u>
(E) Second Initial Flow Pressure	<u>123</u>			Recorder No. <u> </u>	T-Out <u>10:50 A.M.</u>
(F) Second Final Flow Pressure	<u>198</u>			(depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1185</u>			Initial Opening <u>45</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2365</u>			Initial Shut-in <u>60</u>	Jars <u>200</u> ✓
				Final Flow <u>60</u>	Safety Joint <u>50</u> ✓
				Final Shut-in <u>90</u>	Straddle <u> </u>
					Circ. Sub <u> </u>
					Sampler <u> </u>
					SHALE Extra Packer <u>159</u> ✓
					Elec. Rec. <u>150</u> ✓
					Mileage <u>0</u>
					Other <u> </u>

80911540.289
 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.

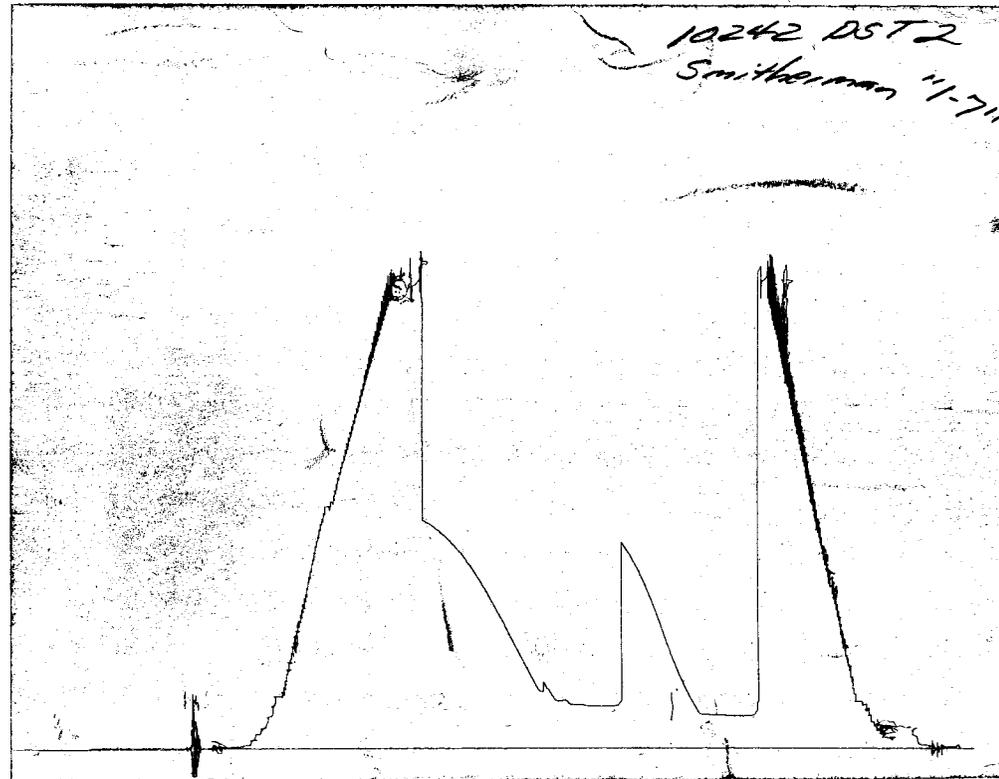
Approved By Al Downing

Our Representative Young S. Salazar

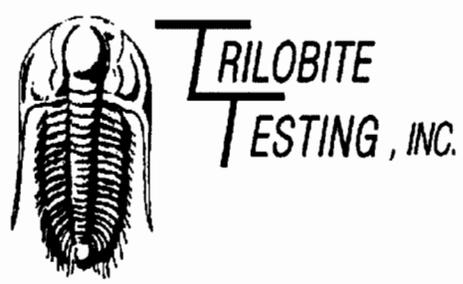
TOTAL PRICE \$ 1,450.00

CHART PAGE

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



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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**
PO Box 399
Garden City, KS 67846-0399

ATTN: Al Downing

Com Co.7-33S-19W

Smitherman "1-7"

Start Date: 2001.11.10 @ 09:50:04
End Date: 2001.11.10 @ 18:02:04
Job Ticket #: 15352 DST #: 3

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

American Warrior Inc.
Smitherman "1-7"
Com Co.7-33S-19W
DST # 3
Mississippian
2001.11.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67846-0399
ATTN: Al Downing

Smitherman "1-7"
Com Co.7-33S-19W
Job Ticket: 15352 **DST#: 3**
Test Start: 2001.11.10 @ 09:50:04

GENERAL INFORMATION:

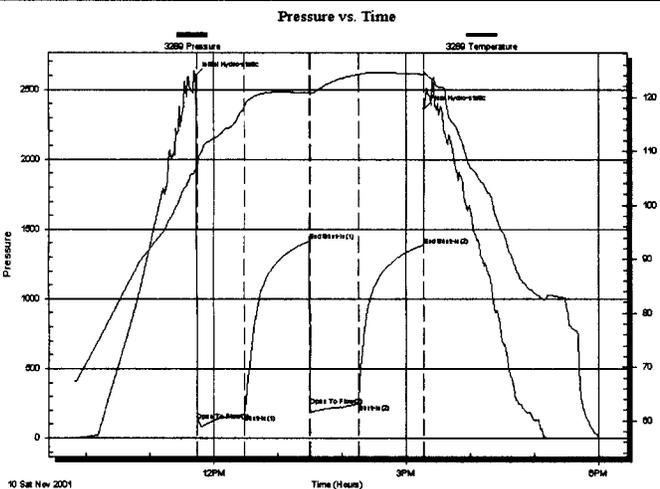
Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:44:19
Time Test Ended: 18:02:04
Interval: **5231.00 ft (KB) To 5280.00 ft (KB) (TVD)**
Total Depth: 5280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Lanny Saloga
Unit No: 14
Reference Elevations: 1893.00 ft (KB)
1880.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 3289

Inside

Press@RunDepth: 248.84 psig @ 5237.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.11.10 End Date: 2001.11.10 Last Calib.: 1899.12.30
Start Time: 09:50:09 End Time: 18:02:03 Time On Btm: 2001.11.10 @ 11:43:49
Time Off Btm: 2001.11.10 @ 15:16:48

TEST COMMENT: Strong OBB in 2 min. I.F.P.
8" blow-back. I.S.I.P.
Weak 1" built to strong OBB in 7 min. F.F.P.
10" blow-back. F.S.I.P.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2599.20	106.81	Initial Hydro-static
1	123.39	106.81	Open To Flow (1)
45	169.01	118.21	Shut-in(1)
107	1414.57	120.83	End Shut-in(1)
107	234.94	120.42	Open To Flow (2)
152	248.84	124.24	Shut-in(2)
213	1381.06	124.26	End Shut-in(2)
213	2361.62	124.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	Gassy Wtr 4%G 96%W	0.79
120.00	Sli O&GcMuddy Wtr 8%G 4%O 78%W	110.59
250.00	Gassy OcWtryM 18%G 20%O 32%W	802.85
0.00	2365 ft. GIP	0.00
0.00	RW 0.095 at 63 F. 94,000 PPM.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 15352

DST#: 3

ATTN: Al Downing

Test Start: 2001.11.10 @ 09:50:04

Tool Information

Drill Pipe:	Length: 4862.00 ft	Diameter: 3.80 inches	Volume: 68.20 bbl	Tool Weight: 2300.00 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: 352.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 69.93 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5231.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	76.00 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			5205.00	
S.I. Tool	5.00			5210.00	
HMV	5.00			5215.00	
Jars	5.00			5220.00	
Safety Joint	2.00			5222.00	
Packer	4.00			5226.00	27.00 Bottom Of Top Packer
Packer	5.00			5231.00	
Stubb	1.00			5232.00	
Perforations	5.00			5237.00	
Recorder	0.00	3289	Inside	5237.00	
Perforations	8.00			5245.00	
C.O. Sub	1.00			5246.00	
Blank Spacing	31.00			5277.00	
Recorder	0.00	10242	Inside	5277.00	
C.O. Sub	1.00			5278.00	
Bullnose	2.00			5280.00	49.00 Bottom Packers & Anchor
Total Tool Length:	76.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.
PO Box 399
Garden City, KS 67846-0399
ATTN: Al Downing

Smitherman "1-7"
Com Co.7-33S-19W
Job Ticket: 15352 **DST#: 3**
Test Start: 2001.11.10 @ 09:50:04

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:	94000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.74 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	Gassy Wtr 4%G 96%W	0.787
120.00	Sli O&GcMuddy Wtr 8%G 4%O 78%W 10%N	0.590
250.00	Gassy OcWtryM 18%G 20%O 32%W 30%M	2.851
0.00	2365 ft. GIP	0.000
0.00	RW 0.095 at 63 F. 94,000 PPM.	0.000

Total Length: 530.00 ft Total Volume: 4.228 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

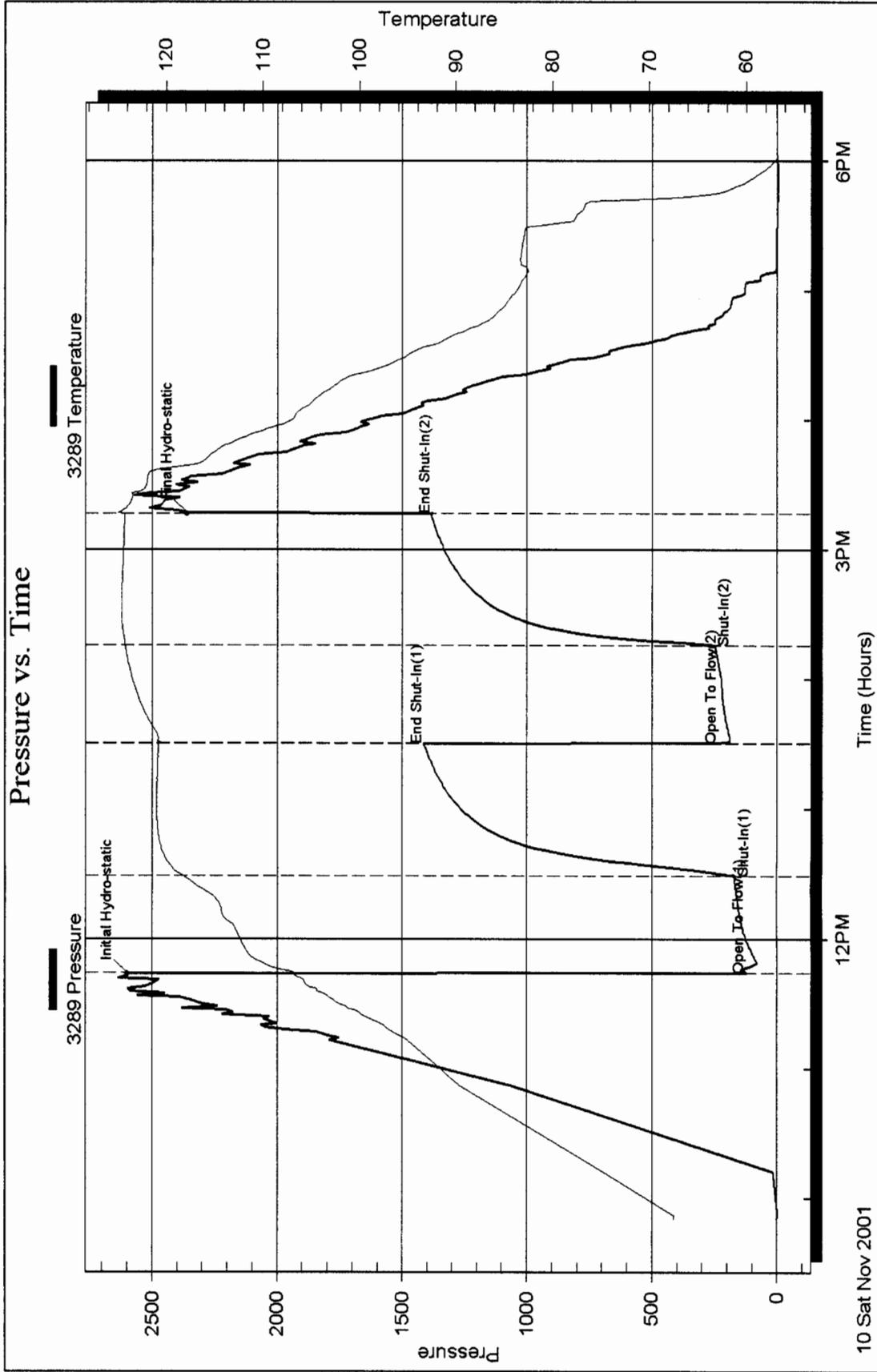
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Inside

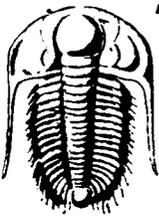
American Warrior Inc.

Com Co.7-33S-19W

DST Test Number: 3



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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15352

Test Ticket

Well Name & No. Smitherman "1-7" Test No. 3 Date 11-10-01
 Company American Warrior Inc. Zone Tested Miss
 Address G.C. Ks. 67846 Elevation 1893 KB 1880 GL
 Co. Rep / Geo. Al Downing Cont. Duke Rip 7 Est. Ft. of Pay Por. %
 Location: Sec. 7 Twp. 33S Rge. 19W Co. Comanche State Ks.
 No. of Copies Rep Distribution Sheet (Y, N) N. Turnkey (Y, N) N. Evaluation (Y, N)

Interval Tested 5231-5280 Initial Str Wt./Lbs. 78,000 Unseated Str Wt./Lbs. 80,000
 Anchor Length 49' Tool = 27' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 10,000
 Top Packer Depth 5226 Tool Weight 2,300
 Bottom Packer Depth 5231 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5280 Wt. Pipe Run Drill Collar Run 352
 Mud Wt. 9.0 LCM 2# Vis. 55 WL 8.8 Drill Pipe Size 4 1/2 KH Ft. Run 4862 10' up

Blow Description Strong ORB in 2 min. T.F.P.
8" blow-back. T.S.T.P.
Weak 1" to strong ORB in 7 min. F.F.P.
10" blow-back. F.S.T.P.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>530</u>	<u>2365</u>	<u>352</u>	<u>178</u>
Rec. <u>250</u> Feet Of <u>Gassy Oil with M</u>	<u>18</u> %gas	<u>20</u> %oil	<u>32</u> %water <u>30</u> %mud
Rec. <u>120</u> Feet Of <u>Sl. Oil Gc. muddy M</u>	<u>8</u> %gas	<u>4</u> %oil	<u>78</u> %water <u>10</u> %mud
Rec. <u>160</u> Feet Of <u>Gassy M</u>	<u>4</u> %gas	<u> </u> %oil	<u>96</u> %water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u> %gas	<u> </u> %oil	<u> </u> %water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	<u> </u> %gas	<u> </u> %oil	<u> </u> %water <u> </u> %mud

BHT 124 °F Gravity °API D@ °F Corrected Gravity °API
 RW 0.095 @ 63 °F Chlorides 94,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2496</u>	<u>2496</u>	<u> </u>	<u>3289</u>	<u>"09:50"</u> T-On Location <u>9:20 AM.</u>
(B) First Initial Flow Pressure	<u>115</u>	<u>115</u>	<u> </u>	<u> </u>	T-Started <u>9:50 AM.</u>
(C) First Final Flow Pressure	<u>169</u>	<u>169</u>	<u> </u>	<u>10242</u>	T-Open <u>11:45 AM.</u>
(D) Initial Shut-In Pressure	<u>1414</u>	<u>1414</u>	<u> </u>	<u>5277</u>	T-Pulled <u>3:15 P.M.</u>
(E) Second Initial Flow Pressure	<u>191</u>	<u>191</u>	<u> </u>	<u> </u>	T-Out <u>6:00 P.M.</u>
(F) Second Final Flow Pressure	<u>248</u>	<u>248</u>	<u> </u>	<u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1385</u>	<u>1385</u>	<u> </u>	<u> </u>	Initial Opening <u>45</u> Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2458</u>	<u>2458</u>	<u> </u>	<u> </u>	Initial Shut-in <u>60</u> Jars <u>200</u> ✓
					Final Flow <u>45</u> Safety Joint <u>150</u> ✓
					Final Shut-in <u>60</u> Straddle <u> </u>

B1010950.289
 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.

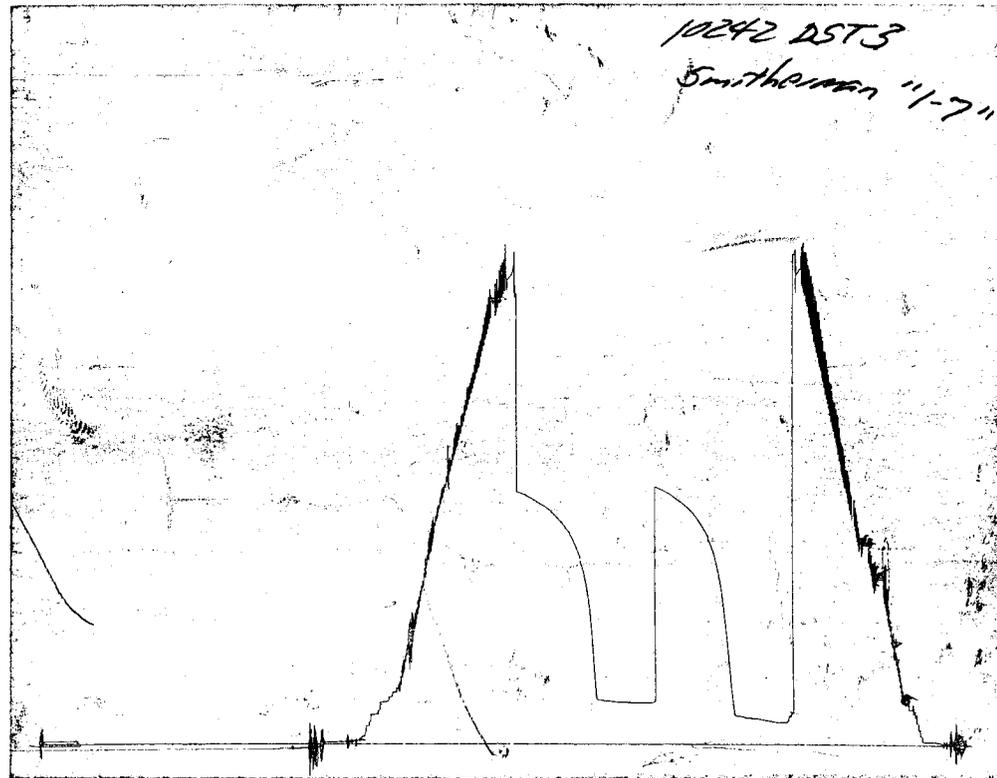
Approved By [Signature]

Our Representative [Signature]

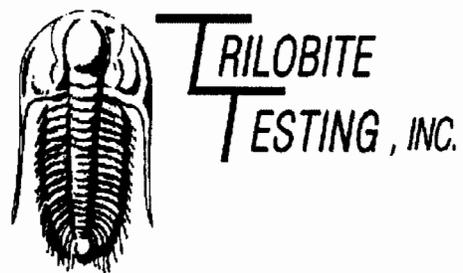
Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec. 150 ✓
 Mileage 75 ✓
 Other
 TOTAL PRICE \$ 4,375.00

CHART PAGE

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



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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**
PO Box 399
Garden City, KS 67846-0399

ATTN: Al Downing

Com Co.7-33S-19W

Smitherman "1-7"

Start Date: 2001.11.13 @ 06:02:07
End Date: 2001.11.13 @ 14:50:52
Job Ticket #: 15353 DST #: 4

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

American Warrior Inc.
Smitherman "1-7"
Com Co.7-33S-19W
DST # 4
Viola
2001.11.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846-0399
 ATTN: Al Downing

Smitherman "1-7"
Com Co.7-33S-19W
 Job Ticket: 15353 **DST#: 4**
 Test Start: 2001.11.13 @ 06:02:07

GENERAL INFORMATION:

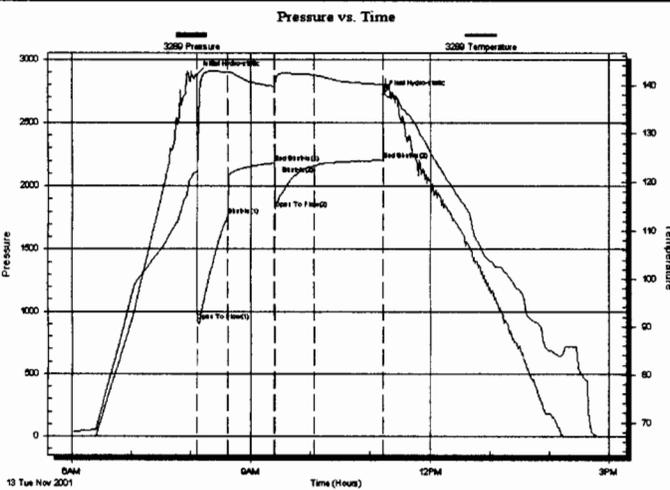
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:06:37
 Time Test Ended: 14:50:52
 Interval: **5957.00 ft (KB) To 5990.00 ft (KB) (TVD)**
 Total Depth: 5990.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Lanny Saloga
 Unit No: 14
 Reference Elevations: 1893.00 ft (KB)
 1880.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 3289

Inside

Press@RunDepth: 2158.98 psig @ 5959.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2001.11.13 End Date: 2001.11.13 Last Calib.: 1899.12.30
 Start Time: 06:02:12 End Time: 14:50:52 Time On Btm: 2001.11.13 @ 08:06:22
 Time Off Btm: 2001.11.13 @ 11:12:51

TEST COMMENT: Strong OBB in 45 sec. Cracked 2". Decreased. I.F.P.
 1 1/2" blow-back. I.S.I.P.
 Strong OBB in 45 sec. F.F.P.
 3" blow-back. F.S.I.P.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2873.67	122.18	Initial Hydro-static
1	921.48	121.66	Open To Flow (1)
31	1766.77	142.60	Shut-in(1)
78	2180.01	139.77	End Shut-in(1)
78	1819.22	139.69	Open To Flow (2)
118	2158.98	142.05	Shut-in(2)
187	2203.76	140.14	End Shut-in(2)
187	2722.37	140.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3985.00	Gassy Wtr 5%G 95%W	52.69
355.00	Wtry Mud 38%W 62%M	4.98
0.00	15 ft. GIP	0.00
0.00	RW 0.082 at 65 F. 108,000 PPM.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 15353

DST#: 4

ATTN: Al Dow ning

Test Start: 2001.11.13 @ 06:02:07

Tool Information

Drill Pipe:	Length: 5612.00 ft	Diameter: 3.80 inches	Volume: 78.72 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 352.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose: 4000.00 lb
			<u>Total Volume: 80.45 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 83000.00 lb
Depth to Top Packer:	5957.00 ft			Final 106000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	60.00 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			5931.00	
S.I. Tool	5.00			5936.00	
HMV	5.00			5941.00	
Jars	5.00			5946.00	
Safety Joint	2.00			5948.00	
Packer	4.00			5952.00	27.00 Bottom Of Top Packer
Packer	5.00			5957.00	
Stubb	1.00			5958.00	
Perforations	1.00			5959.00	
Recorder	0.00	3289	Inside	5959.00	
Perforations	29.00			5988.00	
Recorder	0.00	10242	Inside	5988.00	
Bullnose	2.00			5990.00	33.00 Bottom Packers & Anchor
Total Tool Length:		60.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Smitherman "1-7"

PO Box 399
Garden City, KS 67846-0399

Com Co.7-33S-19W

Job Ticket: 15353

DST#: 4

ATTN: Al Downing

Test Start: 2001.11.13 @ 06:02:07

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:

108000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3985.00	Gassy Wtr 5%G 95%W	52.693
355.00	Wtry Mud 38%W 62%M	4.980
0.00	15 ft. GIP	0.000
0.00	RW 0.082 at 65 F. 108,000 PPM.	0.000

Total Length: 4340.00 ft

Total Volume: 57.673 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

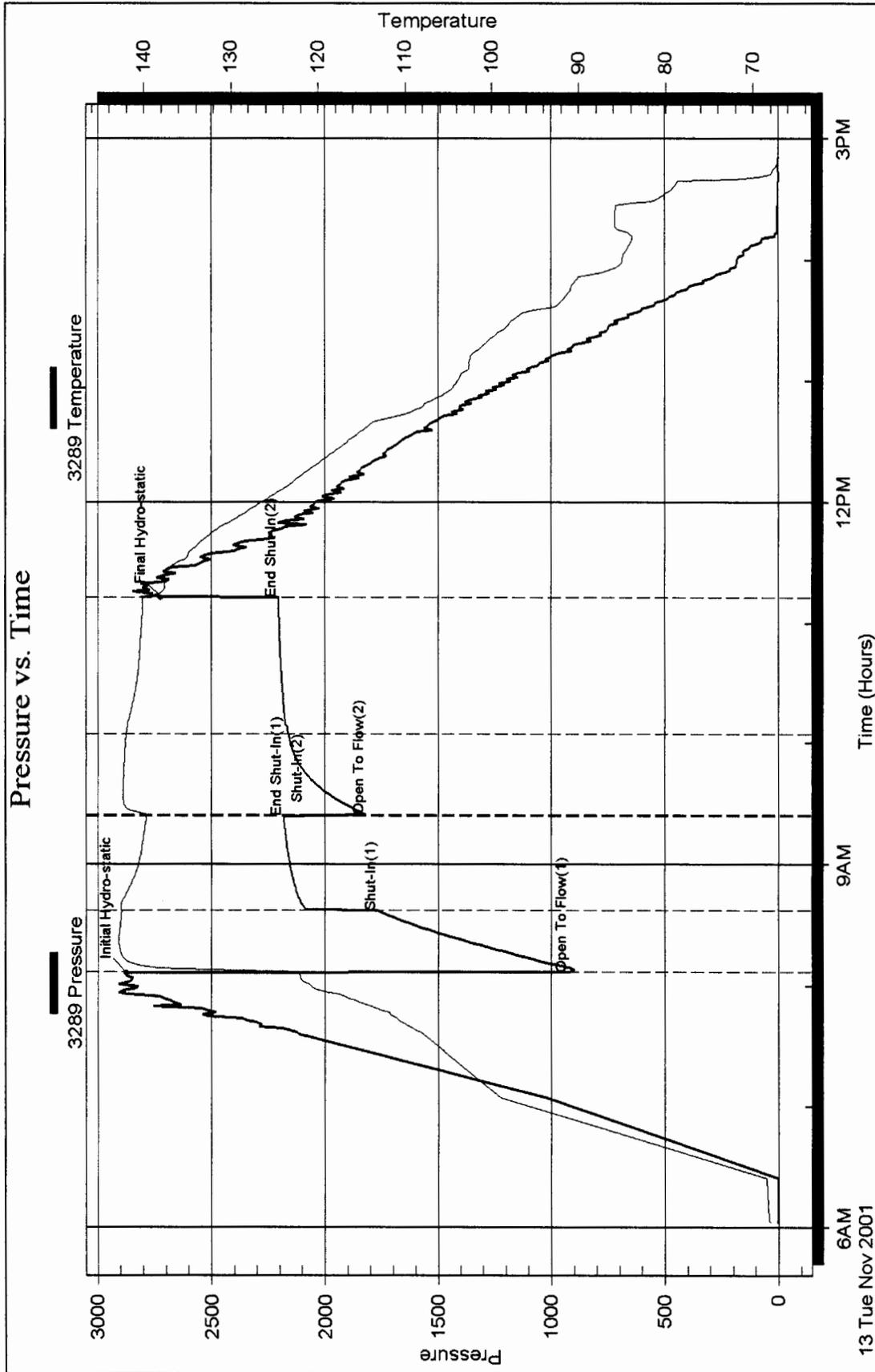
Serial #: 3289

Inside

American Warrior Inc.

Com Co.7-33S-19W

DST Test Number: 4

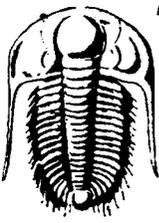


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Tribolite Testing, Inc

Ref. No: 15353

Printed: 2001.11.15 @ 15:29:52 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15353

Test Ticket

Well Name & No. Smitheman "1-7" Test No. 4 Date 11-13-01
 Company American Machine Tool Zone Tested Viola
 Address G.C. Ms. 62846 Elevation 1893 KB 1880 GL
 Co. Rep / Geo. Al Downing Cont. Duke Rig 7 Est. Ft. of Pay Por. %
 Location: Sec. 7 Twp. 33S Rge. 19W Co. Crawford State Ks.
 No. of Copies Req. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 5957-5990 Initial Str Wt./Lbs. 83,000 Unseated Str Wt./Lbs. 106,000
 Anchor Length 33' Tail = 27' Wt. Set Lbs. 23,000 Wt. Pulled Loose/Lbs. 4,000
 Top Packer Depth 5952 Tool Weight 1,800
 Bottom Packer Depth 5957 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5990 Wt. Pipe Run Drill Collar Run 352
 Mud Wt. 9.1 LCM 7# Vis. 54 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 5612 34' up
 Blow Description Stung OBR in 45 sec. Cracked 2" Decreased slightly. F.F.P.
1 1/2" blow-back. F.S.F.P.
Stung OBR in 45 sec. F.F.P.
3" blow-back. F.S.F.P.

Recovery — Total Feet 4340 GIP 15 Ft. in DC 352 Ft. in DP 3988
 Rec. 355 Feet Of Wt. mud %gas %oil 38 %water 62 %mud
 Rec. 3985 Feet Of Coarse Wt. 5 %gas %oil 95 %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 140 °F Gravity °API D@ °F Corrected Gravity °API
 RW 0.082 @ 65 °F Chlorides 108,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2850</u>	PSI	Recorder No. <u>3289 "06:02"</u>	T-On Location <u>5:20 AM</u>
(B) First Initial Flow Pressure	<u>876</u>	PSI	(depth) <u>5958</u>	T-Started <u>6:02 AM</u>
(C) First Final Flow Pressure	<u>1766</u>	PSI	Recorder No. <u>10242</u>	T-Open <u>8:05 AM</u> 9:10
(D) Initial Shut-In Pressure	<u>2180</u>	PSI	(depth) <u>5987</u>	T-Pulled <u>11:05 AM</u>
(E) Second Initial Flow Pressure	<u>1819</u>	PSI	Recorder No. <u> </u>	T-Out <u>3:00 PM</u>
(F) Second Final Flow Pressure	<u>2158</u>	PSI	(depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>2203</u>	PSI	Initial Opening <u>30</u>	Test <u>900</u> ✓
(Q) Final Hydrostatic Mud	<u>2789</u>	PSI	Initial Shut-in <u>45</u>	Jars <u>200</u> ✓
			Final Flow <u>45</u>	Safety Joint <u>150</u> ✓
			Final Shut-in <u>60</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u>150</u> ✓
				Mileage <u>75</u> ✓
				Other <u> </u>

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Approved By al

Our Representative Henry S. Salge

TOTAL PRICE \$ 1,375.00

CHART PAGE

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

