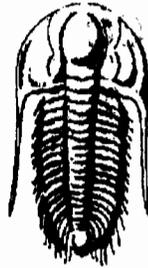


JAN 15 2002

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

CONFIDENTIAL

Prepared for American Warrior Inc.

P.O.Box 399
Garden City, KS 67846-0399

ORIGINAL

ATTN: Al Downing

KCC

3 35s 16w APR 30 2002

Murdock # **CONFIDENTIAL** #3

Start Date: 2002.01.23 @ 01:16:11

End Date: 2002.01.23 @ 11:50:56

Job Ticket #: 15373 DST #: 1

American Warrior Inc.
Murdock #3
3 35s 16w
DST # 1
Miss
2002.01.23

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 67846-0399
ATTN: Al Downing

Murdock #3
3 35s 16w
Job Ticket: 15373 **DST#: 1**
Test Start: 2002.01.23 @ 01:16:11

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 04:55:56
Time Test Ended: 11:50:56
Interval: **5197.00 ft (KB) To 5322.00 ft (KB) (TVD)**
Total Depth: **5322.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition:

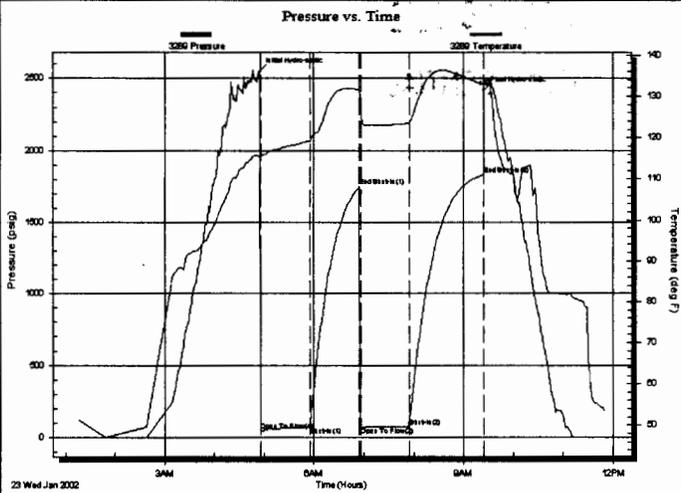
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APR 30 2002
CONFIDENTIAL

Test Type: **Conventional Bottom Hole**
Tester: **Wenrich**
Unit No: **14**
Reference Elevations: **1872.00 ft (KB)**
1859.00 ft (CF)
KB to GR/CF: **13.00 ft**

Serial #: 3289

Press@RunDepth: **75.63 psig @** **ft (KB)** Capacity: **7000.00 psig**
Start Date: **2002.01.23** End Date: **2002.01.23** Last Calib.: **2002.01.23**
Start Time: **01:16:16** End Time: **11:50:56** Time On Btm: **2002.01.23 @ 04:54:41**
Time Off Btm: **2002.01.23 @ 09:24:41**

TEST COMMENT: IF: Strong blow . B.O.B. 2 mins. gts 42 mins. 2lbs. .25
IS: No blow .
FF: Strong blow .B.O.B. 10 secs. 8lbs. .25
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2547.57	115.50	Initial Hydro-static
2	43.26	115.55	Open To Flow (1)
61	71.92	119.17	Shut-In(1)
120	1750.30	131.47	End Shut-In(1)
122	71.12	126.60	Open To Flow (2)
180	75.63	123.51	Shut-In(2)
270	1831.41	132.81	End Shut-In(2)
270	2417.29	133.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	GCM	0.69

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	3.00	27.60



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

Murdock #3

P.O.Box 399
Garden City, KS 67846-0399

3 35s 16w

Job Ticket: 15373

DST#: 1

ATTN: Al Downing

Test Start: 2002.01.23 @ 01:16:11

Tool Information

Drill Pipe:	Length: 4834.00 ft	Diameter: 3.80 inches	Volume: 67.81 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: 351.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 69.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5197.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	152.00 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			5171.00		
S.I. Tool	5.00			5176.00		
HMV	5.00			5181.00		
Jars	5.00			5186.00		
Safety Joint	2.00			5188.00		
Packer	4.00			5192.00	27.00	Bottom Of Top Packer
Packer	5.00			5197.00		
Stubb	1.00			5198.00		
Recorder	0.00		Inside	5198.00		
Perforations	2.00			5200.00		
C.O. Sub	1.00			5201.00		
Blank Spacing	94.00			5295.00		
C.O. Sub	1.00			5296.00		
Perforations	24.00			5320.00		
Recorder	0.00		Outside	5320.00		
Bullnose	2.00			5322.00	125.00	Bottom Packers & Anchor
Total Tool Length:	152.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Murdock #3

P.O.Box 399
Garden City, KS 67846-0399

3 35s 16w

Job Ticket: 15373

DST#: 1

ATTN: Al Downing

Test Start: 2002.01.23 @ 01:16:11

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:

4700 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	GCM	0.688

Total Length: 140.00 ft

Total Volume: 0.688 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: Wenrich

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc.

Murdock #3

P.O.Box 399
Garden City, KS 67846-0399

3 35s 16w

Job Ticket: 15373

DST#: 1

ATTN: Al Downing

Test Start: 2002.01.23 @ 01:16:11

Gas Rates Information

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

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	42	0.25	2.00	26.02
1	42	0.25	2.00	26.02
1	60	0.25	2.00	26.02
2	10	0.25	3.00	27.60
2	20	0.25	3.00	27.60
2	30	0.25	3.00	27.60
2	40	0.25	3.00	27.60
2	50	0.25	3.00	27.60

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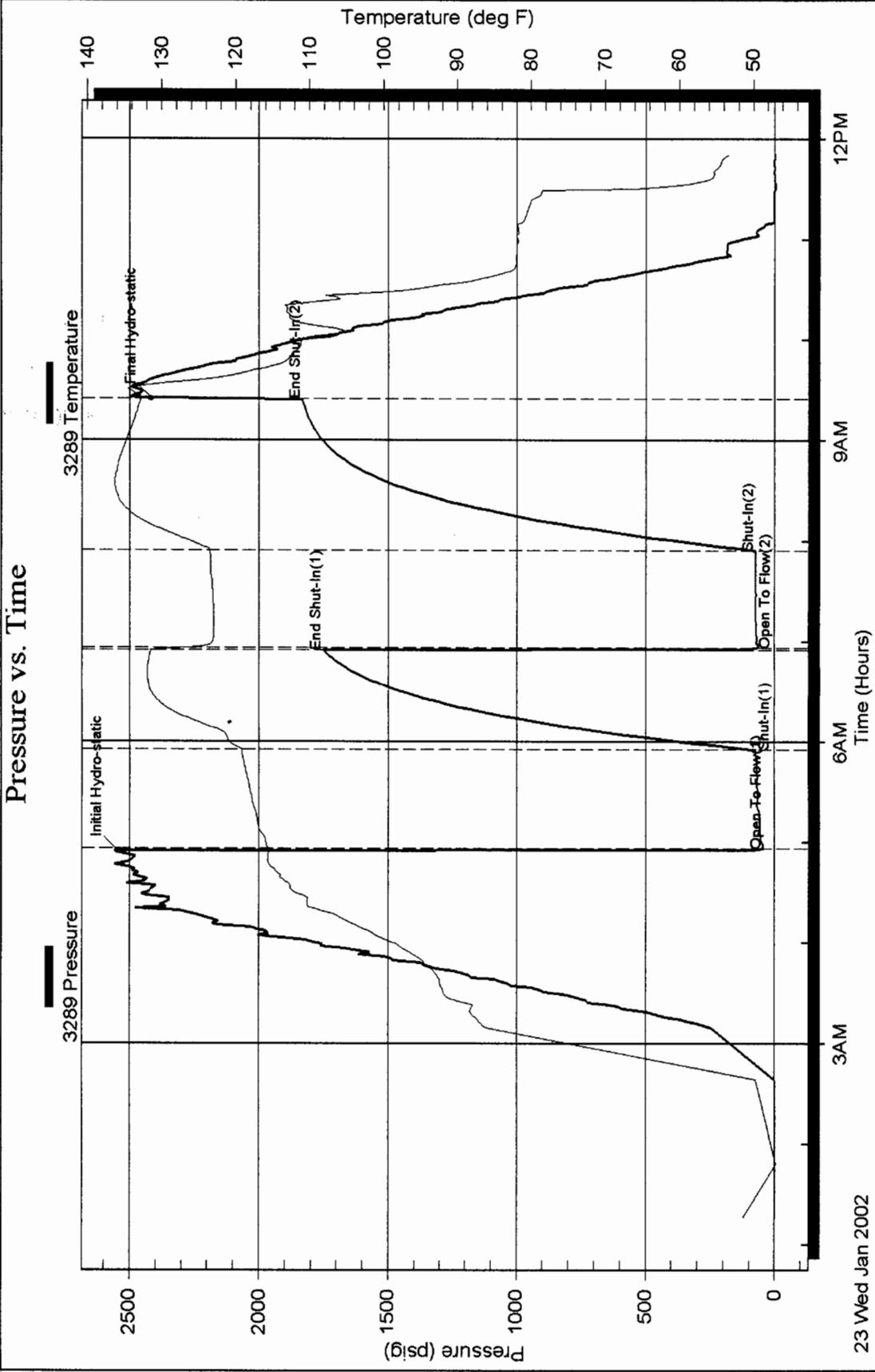
Serial #: 3289

American Warrior Inc.

3 35s 16w

DST Test Number: 1

Pressure vs. Time

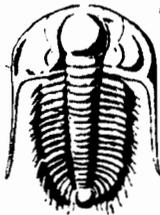


23 Wed Jan 2002

Trilobite Testing, Inc

Ref. No: 15373

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

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No 15373

KCC WICHITA

Test Ticket

Well Name & No. Murdock #3 Test No. 1 Date 1/22/02
 Company AMERICAN WARRIOR INC. Zone Tested MISS
 Address P.O. Box 399 Garden City, Ks 67946-0399 Elevation 1872 KB 1859 GL
 Co. Rep / Geo. AL DOWNING Cont. Duke Dalg Rig #7 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 35S Rge. 16 W Co. COMANCHE State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5297-~~5408~~ 5322 Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 98,000
 Anchor Length 125 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 92,000
 Top Packer Depth 5292 Tool Weight 2100
 Bottom Packer Depth 5297 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5322 Wt. Pipe Run 0 Drill Collar Run 351
 Mud Wt. 9.2 LCM 2# Vis. 58 WL 7.6 Drill Pipe Size 4 1/2" XH Ft. Run 4834
 Blow Description IF: Strong blow. B.O.B 2 mins. GTS 42 mins. FSI: No blow
FF: Strong blow B.O.B. 10 secs. FSI: No blow
IF: Gas 2 lbs. 1/4"
FF Gas 3 lbs. 1/4"

Recovery — Total Feet 140 GIP TO SURFACE Ft. in DC 140 Ft. in DP 0

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>140</u>	<u>GrCM</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

BHT 132 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides 4700 ppm Recovery Chlorides 4700 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2544</u>		<u>3289</u>	<u>2330</u>
(B) First Initial Flow Pressure		<u>43</u>		<u>5198</u>	<u>0116</u>
(C) First Final Flow Pressure		<u>72</u>		<u>10242</u>	<u>0456</u>
(D) Initial Shut-In Pressure		<u>1750</u>		<u>5320</u>	<u>0923</u>
(E) Second Initial Flow Pressure		<u>159</u>			<u>1150</u>
(F) Second Final Flow Pressure		<u>76</u>			
(G) Final Shut-in Pressure		<u>1831</u>			
(Q) Final Hydrostatic Mud		<u>2417</u>			

Final Flow 60 Safety Joint 50
 Final Shut-in 90 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elec. Rec. 150
 Mileage 69
 Other 2 hrs 40
 TOTAL PRICE \$ 1429

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Approved By _____

Our Representative J. L. Linnich

12:20