

JUN 30

JUN 30 2002

15-025-21238



RECEIVED
 MAY 02 2002
 KCC WICHITA

DRILL STEM TEST REPORT

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

CONFIDENTIAL
 P.O. Box 399
 Garden City, KS 67846

MAY 13 2004

From Downing
Confidential

ORIGINAL
KCC

19-31s-21w Clark Ks

APR 30 2002

Sea Cat #8

Start Date: 2002.02.07 @ 14:35:33

End Date: 2002.02.07 @ 22:28:18

Job Ticket #: 15758 DST #: 1

CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior, Inc.

Sea Cat #8

19-31s-21w Clark Ks

DST # 1

Mississippian

2002.02.07

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ORIGINAL



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.
P.O.Box 399
Garden City, KS 67846
ATTN: Al Downing

Sea Cat #8
19-31s-21w Clark Ks
Job Ticket: 15758 **DST#: 1**
Test Start: 2002.02.07 @ 14:55:33

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:07:48
Time Test Ended: 22:28:18

KCC

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 13

Interval: **5076.00 ft (KB) To 5186.00 ft (KB) (TVD)**
Total Depth: 5186.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

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Reference Elevations: 2090.00 ft (KB)
2077.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 2342

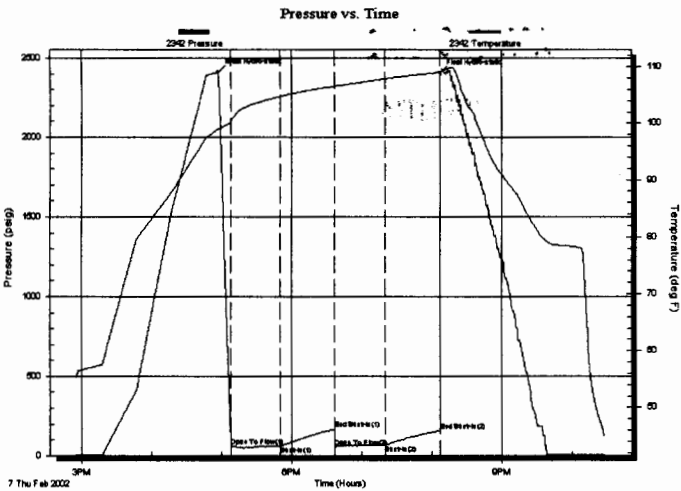
Inside

Press@RunDepth: 65.46 psig @ 5077.00 ft (KB)
Start Date: 2002.02.07 End Date: 2002.02.07
Start Time: 14:55:34 End Time: 22:28:18

Capacity: 7000.00 psig
Last Calib.: 2002.02.07
Time On Btm: 2002.02.07 @ 16:57:33
Time Off Btm: 2002.02.07 @ 20:07:18

TEST COMMENT: IF:Weak to fair blow. Slow increase to 8".
IS:No blow.
FF:Weak blow. Slow increase to 5".
FS:No blow.

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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.73	99.09	Initial Hydro-static
11	56.73	99.99	Open To Flow (1)
53	57.90	104.73	Shut-in(1)
100	166.59	106.52	End Shut-in(1)
100	54.80	106.54	Open To Flow (2)
143	65.46	107.87	Shut-in(2)
190	154.50	109.01	End Shut-in(2)
190	2405.78	109.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GCM 15%g 85%m	0.49
0.00	250 of gas in pipe.	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.
P.O.Box 399
Garden City, KS 67846
ATTN: Al Downing

Sea Cat #8
19-31s-21w Clark Ks
Job Ticket: 15758 **DST#: 1**
Test Start: 2002.02.07 @ 14:55:33

Tool Information

Drill Pipe:	Length: 4712.00 ft	Diameter: 3.80 inches	Volume: 66.10 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: 348.00 ft	Diameter: 2.25 inches	Volume: 1.71 bbl	Weight to Pull Loose: 87000.00 lb
			<u>Total Volume: 67.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5076.00 ft			Final 80300.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	137.00 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
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C.O. Sub	1.00			5050.00	
S.I. Tool	5.00			5055.00	
HMV	5.00			5060.00	
Jars	5.00			5065.00	
Safety Joint	2.00			5067.00	
Packer	4.00			5071.00	27.00 Bottom Of Top Packer
Packer	5.00			5076.00	
Stubb	1.00			5077.00	
Recorder	0.00	2342	Inside	5077.00	
Perforations	5.00			5082.00	
C.O. Sub	1.00			5083.00	
Blank Spacing	94.00			5177.00	
C.O. Sub	1.00			5178.00	
Perforations	3.00			5181.00	
Recorder	0.00	10248	Outside	5181.00	
Bullnose	5.00			5186.00	110.00 Bottom Packers & Anchor
Total Tool Length:	137.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

Sea Cat #8

P.O.Box 399
Garden City, KS 67846

19-31s-21w Clark Ks

Job Ticket: 15758

DST#: 1

ATTN: Al Dow ning

Test Start: 2002.02.07 @ 14:55:33

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:

3000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GCM 15%g 85%m	0.492
0.00	250 of gas in pipe.	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

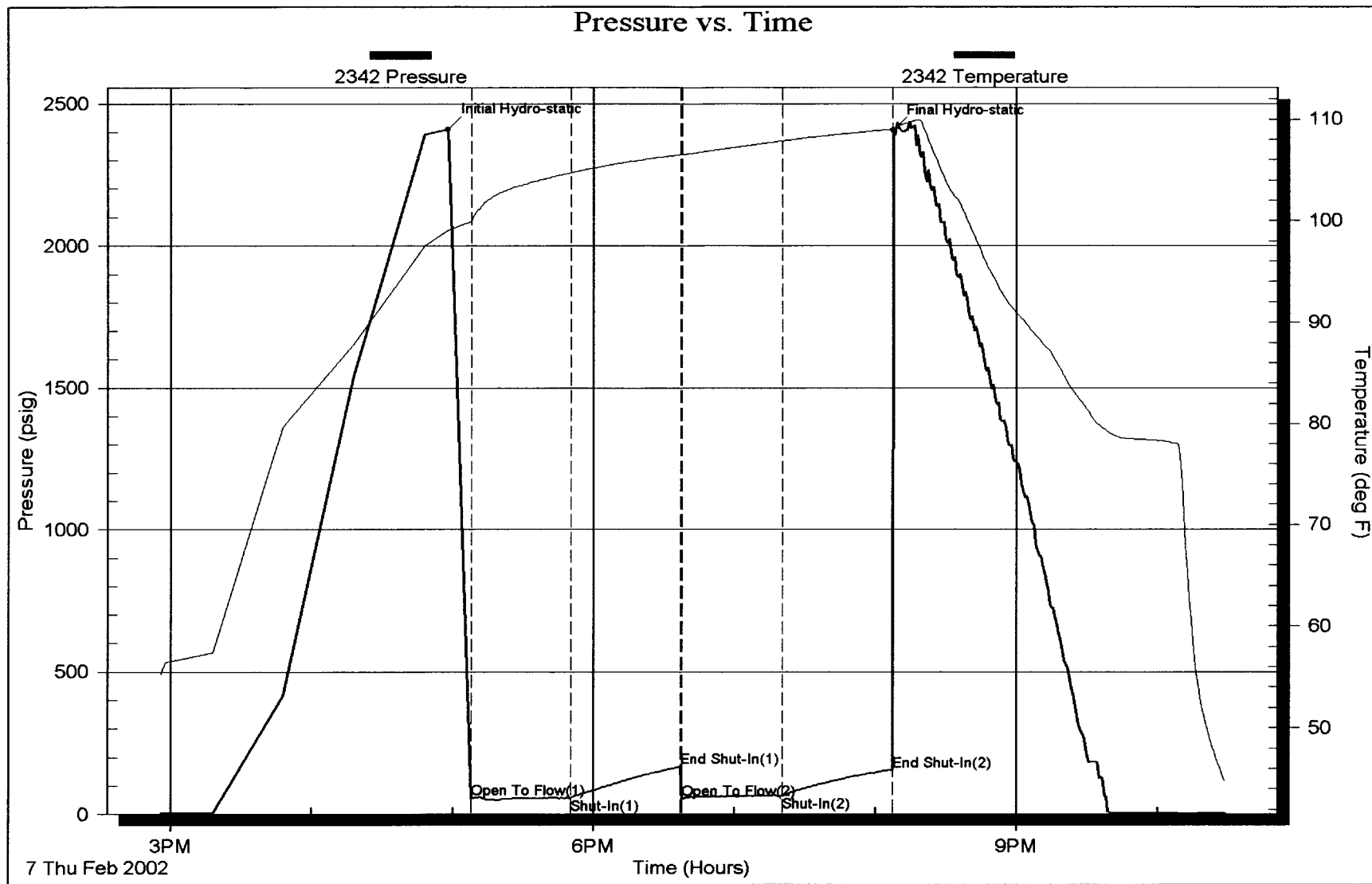
Num Gas Bombs: 0

Serial #: none

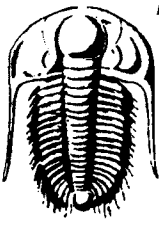
Laboratory Name:

Laboratory Location:

Recovery Comments:



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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15758

Test Ticket

Well Name & No. Sea Cut #8 Test No. 1 Date 2-7-2002
 Company American Warrior Inc Zone Tested Miss.
 Address P.O. Box 399, Gordon City Ks. 67846 Elevation 2090 KB 2077 GL
 Co. Rep / Geo. Al Downing Cont. Duke Dady #7 Est. Ft. of Pay Por. %
 Location: Sec. 19 Twp. 39S Rge. 21W Co. Clark State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5076 - 5186' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 80,300
 Anchor Length 110' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 87,000
 Top Packer Depth 5071' Tool Weight 2100 #
 Bottom Packer Depth SHALE PACKER 5076' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5186' Wt. Pipe Run NONE Drill Collar Run 348'
 Mud Wt. 9.1 LCM 2# Vis. 50 WL 80cc. Drill Pipe Size 4 1/2" x H. Ft. Run 4712'
 Blow Description IF: Weak to fair below, slow increase to 8".
FSI: No below.
FF: Weak below, slow increase to 5". FSI: No below.

Recovery — Total Feet 100 GIP 250 Ft. in DC 100 Ft. in DP 0
 Rec. 100 Feet Of GCM 15 %gas %oil %water 85 %mud
 Rec. Feet Of Trace of oil @ top %gas %oil %water %mud
 Rec. Feet Of of tool %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 109 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 3,000 ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		2410		2342	1325
(B) First Initial Flow Pressure		57		(depth) 5077'	T-Started 1455
(C) First Final Flow Pressure		58		10248	T-Open 1707
(D) Initial Shut-In Pressure		167		(depth) 5181'	T-Pulled 2006
(E) Second Initial Flow Pressure		55			T-Out 2228
(F) Second Final Flow Pressure		65		(depth)	T-Off Location 2355
(G) Final Shut-in Pressure		157		Initial Opening 45	Test <input checked="" type="checkbox"/> 900 ⁰⁰
(Q) Final Hydrostatic Mud		2390		Initial Shut-in 45	Jars <input checked="" type="checkbox"/> 200 ⁰⁰
				Final Flow 45	Safety Joint <input checked="" type="checkbox"/> 50 ⁰⁰
				Final Shut-in 45	Straddle <u> </u>
				<u> </u>	Circ. Sub <u> </u>
				<u> </u>	Sampler <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 [Signature]
 Our Representative Gary Swoboda

SHALE Packer 150⁰⁰
 Elec. Rec. 150⁰⁰
 Mileage 70⁰⁰
 Other
 TOTAL PRICE \$ 1520⁰⁰

CHART PAGE

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

