

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

6 18s 10w Rice KS

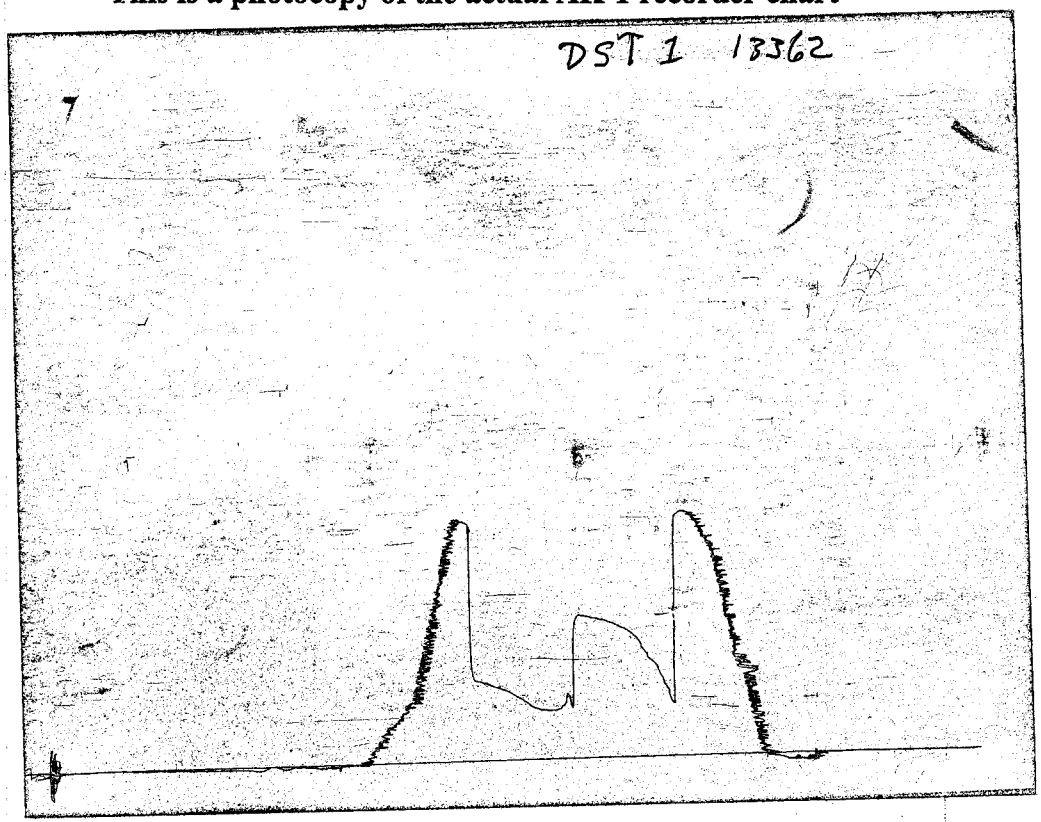
Alice "A" #1

Start Date: 2001.09.29 @ 03:36:32
End Date: 2001.09.29 @ 10:20:01
Job Ticket #: 15418 DST #: 1

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

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 15418

Test Ticket

Well Name & No. Alice "A" #1 Test No. 1 Date 9-

Company American Warrior Zone Tested Arbuckle

Address P.O. Box 399 Garden City KS 67846 Elevation _____ KB 1785 GL

Co. Rep / Geo. _____ Cont. _____ Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 6 Twp. 18S Rge. 10W Co. Rice State KS

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2943 3004 Initial Str Wt./Lbs. 34,000 Unseated Str Wt./Lbs. 41,000

Anchor Length 61 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000

Top Packer Depth 2938 Tool Weight 2100

Bottom Packer Depth 2943 Hole Size ~~7 7/8"~~ 9 7/8 Rubber Size — 6 3/4" 9

Total Depth 3004 Wt. Pipe Run None Drill Collar Run 30

Mud Wt. 9.1 LCM ____ Vis. 50 WL 8.8 Drill Pipe Size 4 1/2 X-H Ft. Run 2891

Blow Description I.F. Strong Blow B.O.B in 30 Secs.
I.S.I. No Blow.
F.F. Strong Blow B.O.B 15 Secs.
F.S.I Strong Blow B.O.B 20 MINS

Recovery — Total Feet 585 GIP 60 Ft. in DC 30 Ft. in DP _____

Rec. 405	Feet Of	G.C.M.	10	%gas	%oil	%water	90	%mud
Rec. 180	Feet Of	GOSWM	25	%gas	Tr %oil	25 %water	50	%mud
Rec. ____	Feet Of			%gas	%oil	%water		%mud
Rec. ____	Feet Of			%gas	%oil	%water		%mud
Rec. ____	Feet Of			%gas	%oil	%water		%mud

BHT 106 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides 94000 ppm Recovery Chlorides 5000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1447	PSI	Recorder No.	3227	T-On Location 03:30
(B) First Initial Flow Pressure		298	PSI	(depth)	2945	T-Started 05:36
(C) First Final Flow Pressure		148	PSI	Recorder No.	13362	T-Open 05:59
(D) Initial Shut-In Pressure		869	PSI	(depth)	3001	T-Pulled 08:36
(E) Second Initial Flow Pressure		203	PSI	Recorder No.	____	T-Out 10:20
(F) Second Final Flow Pressure		296	PSI	(depth)	____	T-Off Location ____
(G) Final Shut-in Pressure		1486	PSI	Initial Opening	30	Test ✓ 700
(Q) Final Hydrostatic Mud		1406	PSI	Initial Shut-in	45	Jars ____
				Final Flow	30	Safety Joint ____
				Final Shut-in	45	Straddle ____
						Circ. Sub ____
						Sampler ____
						Extra Packer ✓ $150.00
						Elec. Rec. ✓ 150
						Mileage ✓ 77
						Other ____
						TOTAL PRICE $ 1077

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 _____

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15418 **DST#: 1**

Test Start: 2001.09.29 @ 03:36:32

GENERAL INFORMATION:

Formation: **Lansing A-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:58:31
Time Test Ended: 10:20:01

Test Type: Conventional Bottom Hole
Tester: Dave Gallow ay
Unit No: 12

Interval: 2943.00 ft (KB) To 3004.00 ft (KB) (TVD)
Total Depth: 3004.00 ft (KB) (TVD)
Hole Diameter: 9.88 inches Hole Condition: Poor

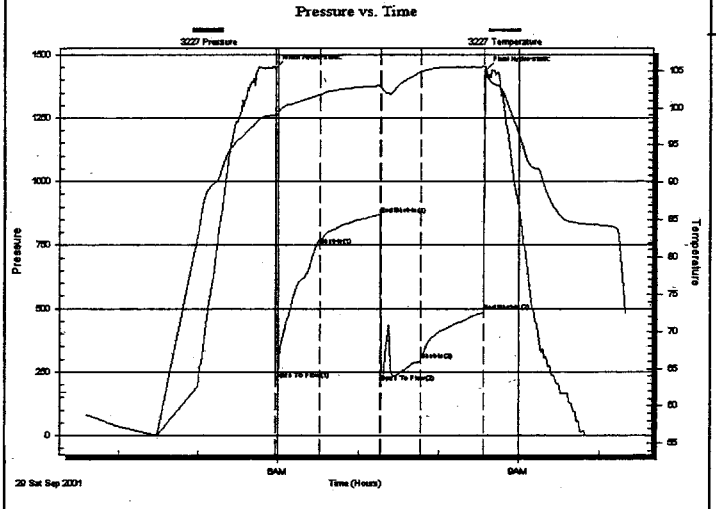
Reference Elevations: 1794.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 3227 **Inside**

Press@RunDepth: 294.55 psig @ 2945.00 ft (KB)
Start Date: 2001.09.29 End Date: 2001.09.29
Start Time: 03:36:32 End Time: 10:20:01

Capacity: 7000.00 psig
Last Calib.: 2001.09.29
Time On Btm: 2001.09.29 @ 05:58:01
Time Off Btm: 2001.09.29 @ 08:34:31

TEST COMMENT: IF Strong blow BOB in 30 secs.
ISI No blow
FF: Strong blow bob in 15 seconds.
FSI: Strong blow bob in 20 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1447.81	99.04	Initial Hydro-static
1	219.68	98.94	Open To Flow (1)
34	747.62	101.84	Shut-In(1)
78	869.01	103.02	End Shut-In(1)
79	209.41	102.94	Open To Flow (2)
109	294.55	104.91	Shut-In(2)
156	485.83	105.55	End Shut-In(2)
157	1436.86	105.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GOSWM 25%gas 25%w ater 50% mud	2.25
405.00	GCM 10%gas 90% mud	5.68

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15418 **DST#: 1**

Test Start: 2001.09.29 @ 03:36:32

Tool Information

Drill Pipe:	Length:	2921.00 ft	Diameter:	3.80 inches	Volume:	40.97 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	41.12 bbl	

Drill Pipe Above KB:	29.00 ft
Depth to Top Packer:	2943.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	61.00 ft
Tool Length:	82.00 ft
Number of Packers:	2 Diameter: 9.88 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	34000.00 lb
Final	41000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			2923.00		
S.I. Tool	5.00			2928.00		
HMV	5.00			2933.00		
Packer	5.00			2938.00	21.00	Bottom Of Top Packer
Packer	5.00			2943.00		
Stubb	1.00			2944.00		
C.O. Sub	1.00			2945.00		
Recorder	0.00	3227	Inside	2945.00		
Blank Spacing	31.00			2976.00		
C.O. Sub	1.00			2977.00		
Perforations	24.00			3001.00		
Recorder	0.00	13362	Outside	3001.00		
Bullnose	3.00			3004.00	61.00	Bottom Packers & Anchor
Total Tool Length:	**82.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15418 **DST#: 1**

Test Start: 2001.09.29 @ 03:36:32

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.73 in	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

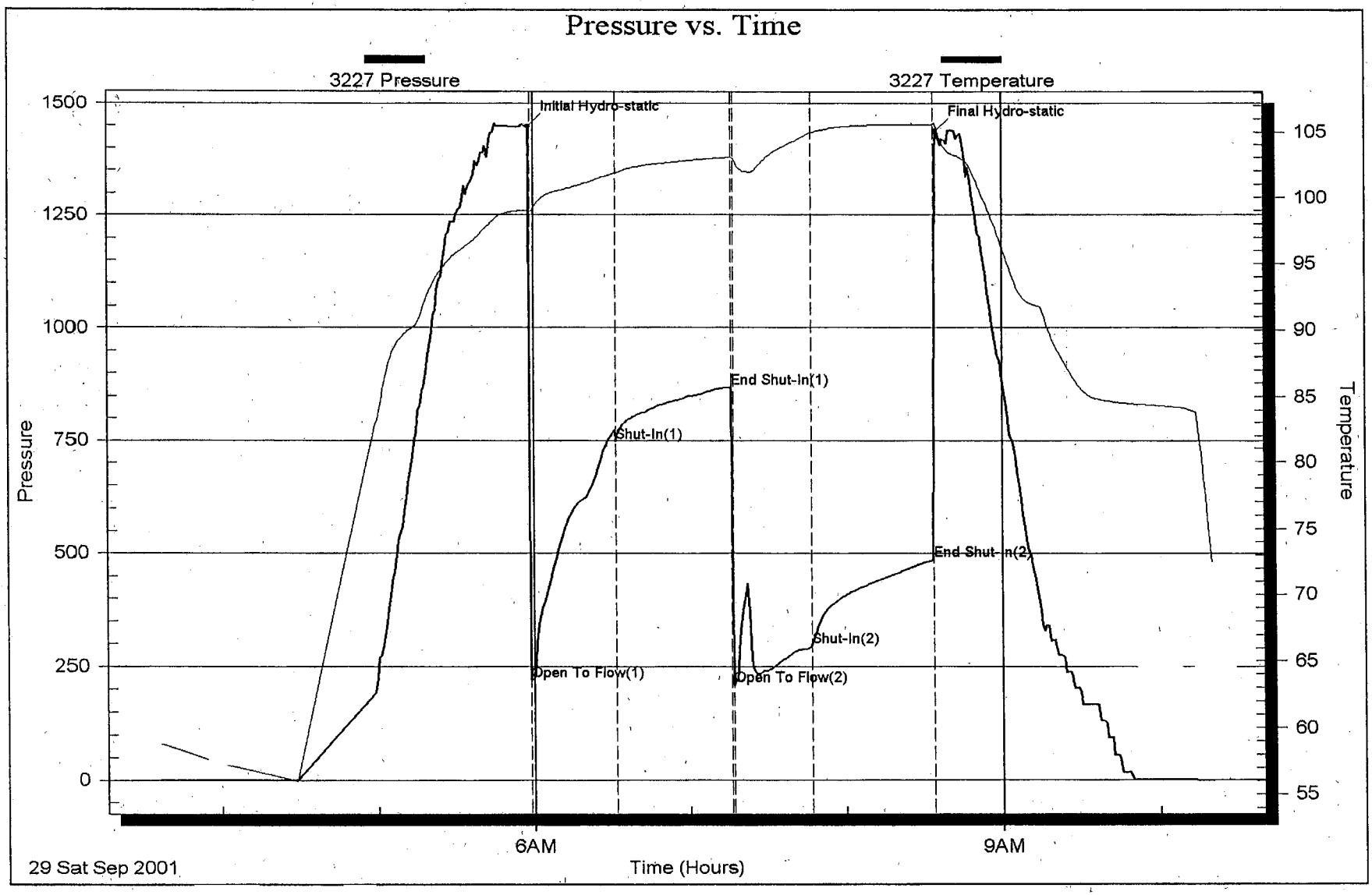
Length ft	Description	Volume bbl
180.00	GOSWM 25%gas 25%w ater 50% mud	2.252
405.00	GCM 10%gas 90% mud	5.681

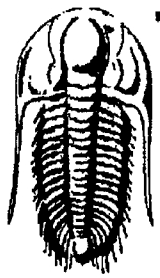
Total Length: 585.00 ft Total Volume: 7.933 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3227 Pressure
3227 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
65
60
55
6AM
9AM
29 Sat Sep 2001
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

6 18s 10w Rice KS

Alice "A" #1

Start Date: 2001.09.29 @ 15:30:00
End Date: 2001.09.29 @ 21:55:00
Job Ticket #: 15419 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15419 DST#: 2

Test Start: 2001.09.29 @ 15:30:00

GENERAL INFORMATION:

Formation: E-F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:52:00
Time Test Ended: 21:55:00

Test Type: Conventional Bottom Hole
Tester: David Galloway
Unit No: 12

Interval: 2997.00 ft (KB) To 3020.00 ft (KB) (TVD)
Total Depth: 3020.00 ft (KB) (TVD)
Hole Diameter: 9.88 inches Hole Condition: Poor

Reference Elevations: 1794.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 3302

Press@RunDepth: psig @ ft (KB)
Start Date: 2001.09.25 End Date: 2001.09.26
Start Time: 23:07:02 End Time: 05:05:32

Capacity: 7000.00 psig
Last Calib.: 2001.01.08
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow bob 45 seconds
ISI No blow
FF Strong blow bob in 50 sec

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
2070.00	muddy salt water 80%w 20% m	29.04

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15419 **DST#: 2**

Test Start: 2001.09.29 @ 15:30:00

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	36000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2070.00	muddy salt water 80%w 20% m	29.037

Total Length: 2070.00 ft Total Volume: 29.037 bbl

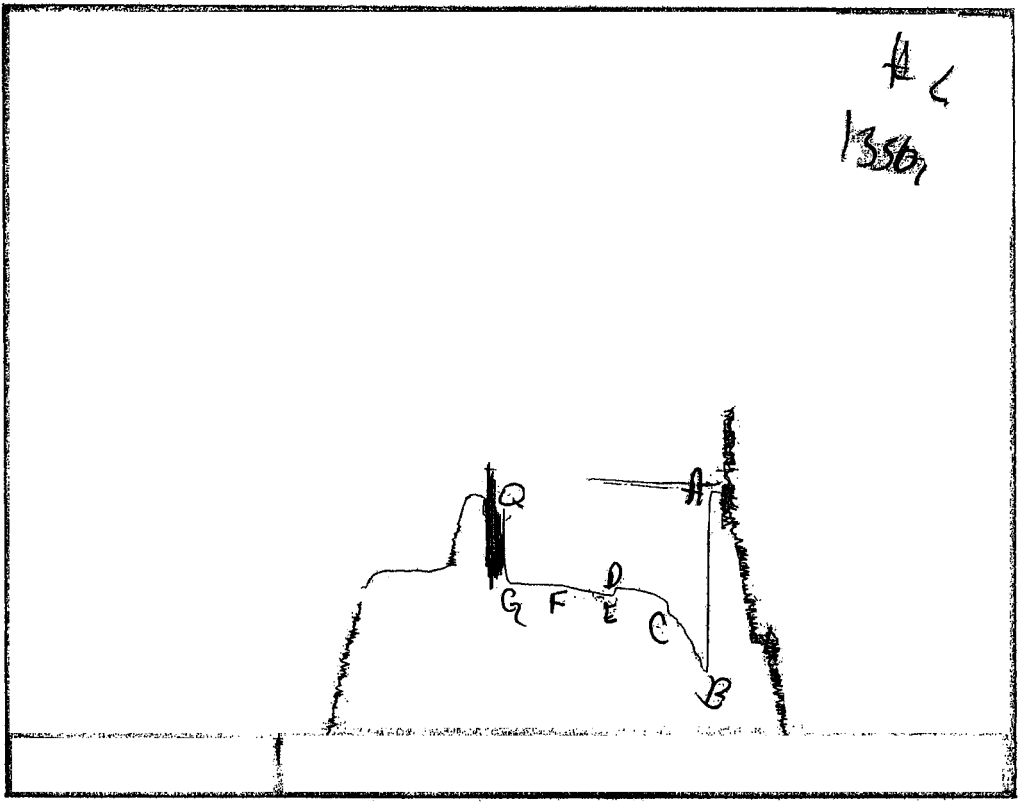
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

CHART PAGE

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



TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

№ 15419

Test Ticket

Well Name & No. Alice #1 Test No. 2 Date 9-29-01

Company American Warrior Zone Tested E-F

Address P.O. Box 399 Garden City KS 67846 Elevation 1794 KB 1785 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 6 Twp. 18S Rge. 10W Co. Rice State KS

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested ~~3015~~ 2997 - 3020

Anchor Length 23

Top Packer Depth 3016 2992

Bottom Packer Depth 3015 2991

Total Depth 3020

Mud Wt. 8.8 LCM TR Vis. 48 WL 8.8

Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 49000

Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 98,000

Tool Weight 2100

Hole Size — ~~7 7/8"~~ 9 7/8 Rubber Size — ~~6 3/4"~~ 9

Wt. Pipe Run 0 Drill Collar Run ___

Drill Pipe Size 4½ X H Ft. Run 3013

Blow Description IF Strong Blow 45 Secs BOB
ISI. No Blow
FF. Strong Blow 50 Secs. BOB
FSI

Recovery — Total Feet 2070 GIP ___ Ft. in DC ___ Ft. in DP ___

Rec. 2,070	Feet Of MSW	%gas	%oil	80	%water 20	%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

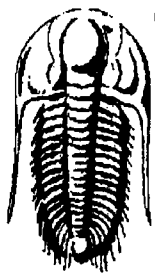
BHT ___ °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .19 @ 70 °F Chlorides 36,000 ppm Recovery Chlorides 5000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	1146		PSI	Recorder No.	3225	T-On Location 13:30
(B) First Initial Flow Pressure	415		PSI	(depth)	3018	T-Started 15:30
(C) First Final Flow Pressure	776		PSI	Recorder No.	13562	T-Open 17:52
(D) Initial Shut-In Pressure	892		PSI	(depth)	3016	T-Pulled 20:30
(E) Second Initial Flow Pressure	836		PSI	Recorder No.	~~~~	T-Out ___
(F) Second Final Flow Pressure	892		PSI	(depth)	~~~~	T-Off Location ___
(G) Final Shut-in Pressure	892		PSI	Initial Opening	30	Test ✓
(Q) Final Hydrostatic Mud	1135		PSI	Initial Shut-in	45	Jars ___
				Final Flow	30	Safety Joint ___
				Final Shut-in	45	Straddle ___
						Circ. Sub ✓
						Sampler ___
						Extra Packer ✓
						Elec. Rec. No
						Mileage ✓ 77
						Other ___

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Approved By ___



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

6 18s 10w Rice KS

Alice "A" #1

Start Date: 2001.09.30 @ 10:21:12
End Date: 2001.09.30 @ 21:07:56
Job Ticket #: 15420 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15420 DST#: 3

Test Start: 2001.09.30 @ 10:21:12

GENERAL INFORMATION:

Formation: Lansing
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:21:56
Time Test Ended: 21:07:56

Test Type: Conventional Bottom Hole
Tester: Dave Galloway
Unit No: 12

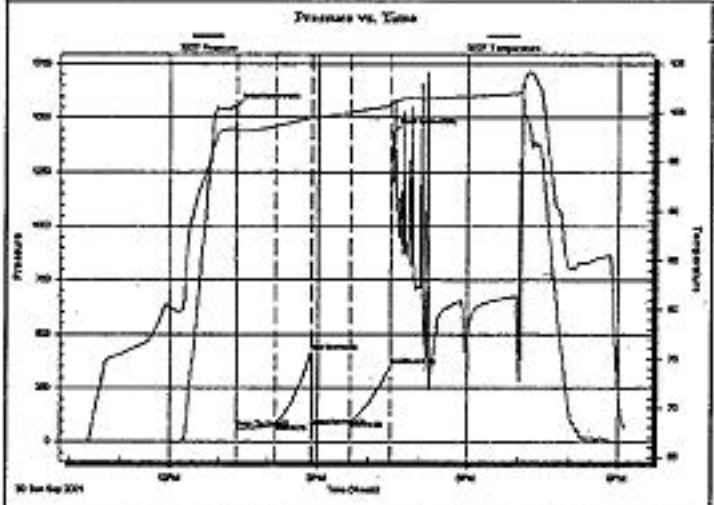
Interval: 3077.00 ft (KB) To 3145.00 ft (KB) (TVD)
Total Depth: 3145.00 ft (KB) (TVD)
Hole Diameter: 9.88 inches Hole Condition:

Reference Elevations: 1794.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 3227 Inside
Press@RunDepth: 96.96 psig @ 3153.00 ft (KB)
Start Date: 2001.09.30 End Date: 2001.09.30
Start Time: 10:21:12 End Time: 21:07:56

Capacity: 7000.00 psig
Last Calib.: 2001.10.09
Time On Btm: 2001.09.30 @ 13:21:11
Time Off Btm: 2001.09.30 @ 16:29:26

TEST COMMENT: IF Strong blow 9 mins. B.O.B.
ISI No blow
FF Strong blow 28 mins B.O.B.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1549.65	98.39	Initial Hydro-static
1	62.19	98.24	Open To Flow (1)
48	83.22	98.64	Shut-In(1)
92	417.97	99.47	End Shut-In(1)
93	72.96	99.45	Open To Flow (2)
139	96.96	100.07	Shut-In(2)
185	351.56	100.72	End Shut-In(2)
189	1430.91	101.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	otw cm 30% gas 5% oil 10%w ater 55%m	0.84
60.00	osm 22% gas 3%oil 75% mud	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15420 **DST#: 3**

Test Start: 2001.09.30 @ 10:21:12

Tool Information

Drill Pipe:	Length:	3138.00 ft	Diameter:	3.80 inches	Volume:	44.02 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	44.02 bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	3145.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	68.00 ft
Tool Length:	90.00 ft
Number of Packers:	2 Diameter: 9.00 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	160000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3124.00		
S.I. Tool	5.00			3129.00		
HMV	5.00			3134.00		
Packer	6.00			3140.00	22.00	Bottom Of Top Packer
Packer	5.00			3145.00		
Stubb	1.00			3146.00		
C.O. Sub	1.00			3147.00		
Perforations	5.00			3152.00		
C.O. Sub	1.00			3153.00		
Recorder	0.00	3227	Inside	3153.00		
Blank Spacing	31.00			3184.00		
C.O. Sub	1.00			3185.00		
Perforations	25.00			3210.00		
Recorder	0.00	13362	Outside	3210.00		
Bullnose	3.00			3213.00	68.00	Bottom Packers & Anchor
Total Tool Length:	**90.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15420 **DST#: 3**

Test Start: 2001.09.30 @ 10:21:12

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.14 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

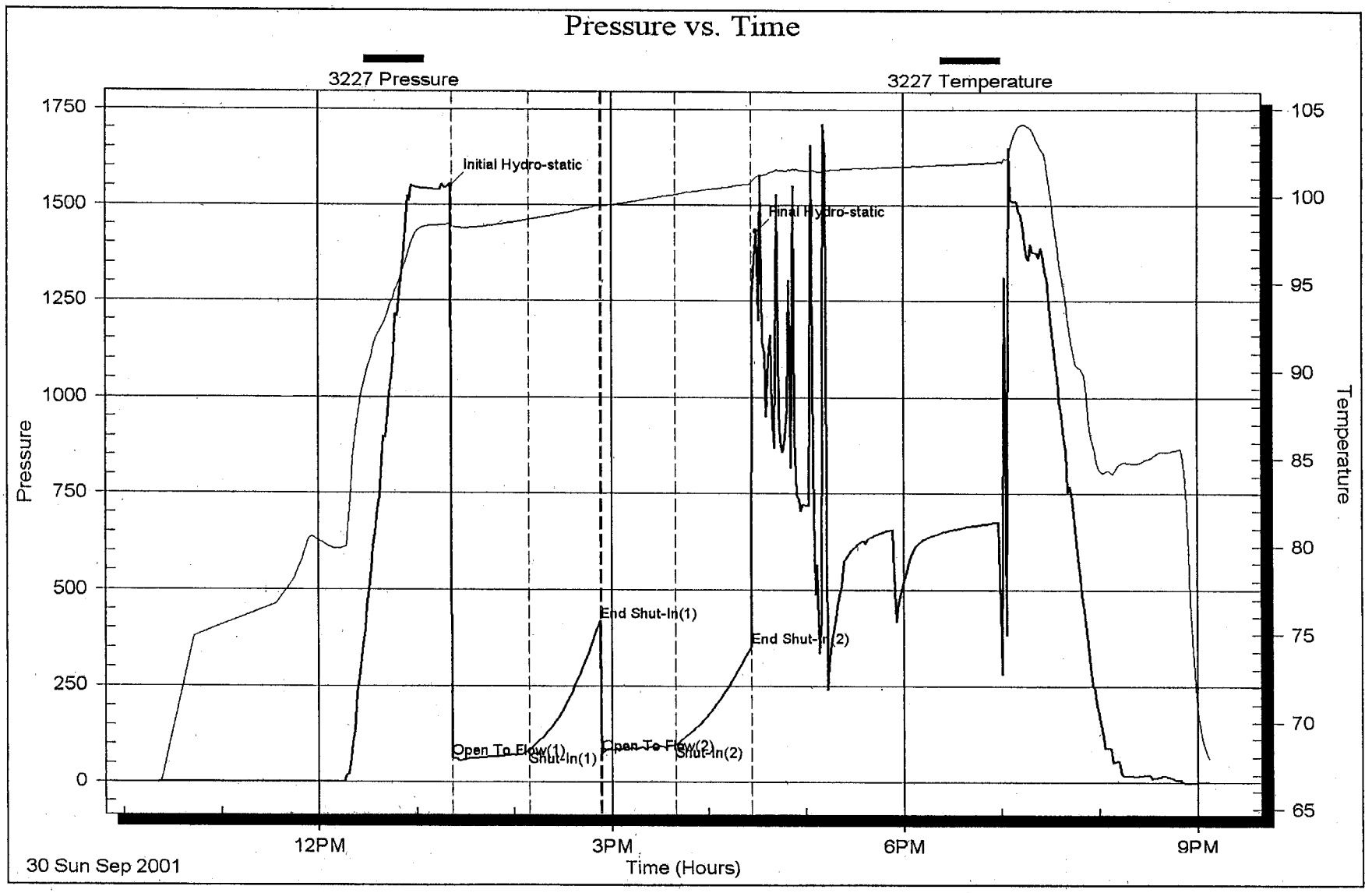
Length ft	Description	Volume bbl
60.00	otw cm 30% gas 5% oil 10%w ater 55%mud	0.842
60.00	osm 22% gas 3%oil 75% mud	0.842

Total Length: 120.00 ft Total Volume: 1.684 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
3227 Pressure
3227 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
65
12PM
3PM
6PM
9PM
30 Sun Sep 2001
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 15420

Test Ticket

Well Name & No. Alice #1 Test No. 3 Date 9-30-01

Company American Warrior Zone Tested Lansing

Address PO Box 399 Garden City Elevation 1794 KB 1785 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery #2 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 6 Twp. 18S Rge. 10W Co. Rice State K

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 3077-3145

Anchor Length 68

Top Packer Depth ~~3134~~ 3140

Bottom Packer Depth ~~3079~~ 3145

Total Depth 3145

Mud Wt. 9.3 LCM ____ Vis. 46 WL 10.2

Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. ____

Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. ____

Tool Weight 2,100

Hole Size — ~~7 7/8~~" 9 ¾ Rubber Size — ~~6 3/4~~" 9

Wt. Pipe Run 0 Drill Collar Run ____

Drill Pipe Size 4½ X-H Ft. Run ____

Blow Description ~~FF~~ Strong Blow 9 mins. B.O.B

I.S.I No Blow

FF Strong Blow 28 mins B.O.B

Recovery – Total Feet 120 GIP 540 Ft. in DC 30 Ft. in DP 90

Rec. ~~60~~	Feet Of		%gas	%oil	%water	%mud
Rec. 60	Feet Of	Gsy OSM	22	%gas 3	%oil	%water 35	%mud
Rec. 60	Feet Of	Gsy OSWCM	30	%gas 5	%oil 10	%water 55	%mud
Rec. ____	Feet Of		%gas	%oil	%water	%mud
Rec. ____	Feet Of		%gas	%oil	%water	%mud

BHT 101 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

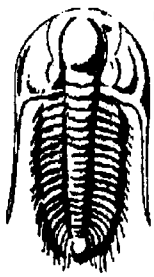
RW .235 @ 70 °F Chlorides 23,000 ppm Recovery Chlorides 6000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1550	PSI	Recorder No.	3225	T-On Location	08:30
(B) First Initial Flow Pressure		62	PSI	(depth)	~~3043~~ 3083	T-Started	10:16 12:37
(C) First Final Flow Pressure		83	PSI	Recorder No.	13362	T-Open	13:05
(D) Initial Shut-In Pressure		418	PSI	(depth)	3140	T-Pulled	____
(E) Second Initial Flow Pressure		73	PSI	Recorder No.	____	T-Out	____
(F) Second Final Flow Pressure		97	PSI	(depth)	____	T-Off Location	____
(G) Final Shut-in Pressure		352	PSI	Initial Opening	____	Test ✓	700
(Q) Final Hydrostatic Mud		1431	PSI	Initial Shut-in	____	Jars	____
				Final Flow	____	Safety Joint	____
				Final Shut-in	____	Straddle	____
						Circ. Sub	____
						Sampler	____
						Extra Packer ✓	150
						Elec. Rec. ✓	150
						Mileage	77
						Other 4 hrs	120
						TOTAL PRICE $	1197

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 ____



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

6 18s 10w Rice KS

Alice "A" #1

Start Date: 2001.10.01 @ 10:21:00
End Date: 2001.10.01 @ 17:30:00
Job Ticket #: 15421 DST #: 4

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15421 **DST#: 4**

Test Start: 2001.10.01 @ 10:21:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:48:29
Time Test Ended: 17:30:00

Test Type: Conventional Bottom Hole
Tester: Dave Gallow ay
Unit No: 12

Interval: 3216.00 ft (KB) To 3230.00 ft (KB) (TVD)
Total Depth: 3230.00 ft (KB) (TVD)
Hole Diameter: 9.88 inches Hole Condition:

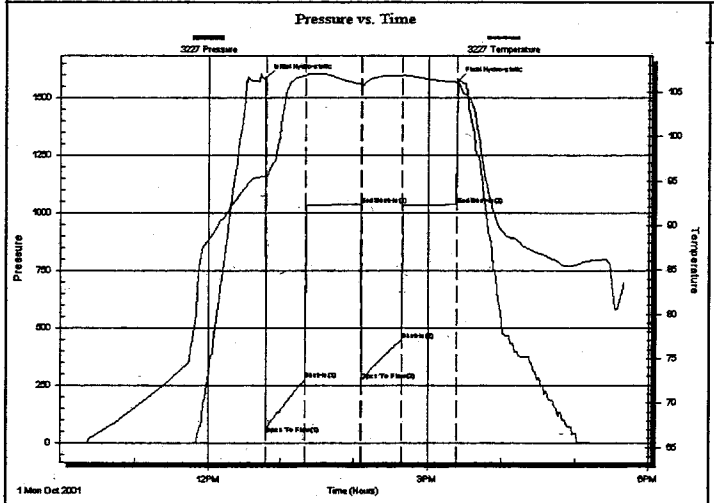
Reference Elevations: 1794.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 3227 **Inside**

Press@RunDepth: 446.83 psig @ 3218.00 ft (KB)
Start Date: 2001.10.01 End Date: 2001.10.01
Start Time: 10:21:15 End Time: 17:40:44

Capacity: 7000.00 psig
Last Calib.: 2001.09.29
Time On Btm: 2001.10.01 @ 12:47:59
Time Off Btm: 2001.10.01 @ 15:24:14

TEST COMMENT: IF Strong blow 4 MINS b.o.b.
ISI No blow
FF Strong blow b.o.b
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.92	95.56	Initial Hydro-static
1	37.18	95.44	Open To Flow (1)
33	275.24	106.85	Shut-In(1)
79	1034.96	105.83	End Shut-In(1)
79	271.13	105.76	Open To Flow (2)
111	446.83	106.81	Shut-In(2)
156	1034.67	106.10	End Shut-In(2)
157	1573.55	106.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
470.00	mw 20%mud 80% w ater	6.32
430.00	socmw 75% w ater 20% mud 5% oil	6.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15421 **DST#: 4**

Test Start: 2001.10.01 @ 10:21:00

Tool Information

Drill Pipe:	Length:	3172.00 ft	Diameter:	3.80 inches	Volume:	44.49 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:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	44.64 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight: Initial	40000.00 lb
Depth to Top Packer:		3216.00 ft					Final	44000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		14.00 ft						
Tool Length:		43.00 ft						
Number of Packers:		2	Diameter:	9.00 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3188.00		
S.I. Tool	5.00			3193.00		
HMV	5.00			3198.00		
Jars	5.00			3203.00		
Safety Joint	3.00			3206.00		
Packer	5.00			3211.00	29.00	Bottom Of Top Packer
Packer	5.00			3216.00		
Stubb	1.00			3217.00		
C.O. Sub	1.00			3218.00		
Recorder	0.00	3227	Inside	3218.00		
Perforations	9.00			3227.00		
Recorder	0.00	13362	Outside	3227.00		
Bullnose	3.00			3230.00	14.00	Bottom Packers & Anchor
Total Tool Length:	**43.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate

Alice "A" #1

6 18s 10w Rice KS

Job Ticket: 15421 **DST#: 4**

Test Start: 2001.10.01 @ 10:21:00

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.93 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
470.00	mw 20%mud 80% water	6.320
430.00	socmw 75% water 20% mud 5% oil	6.032

Total Length: 900.00 ft Total Volume: 12.352 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

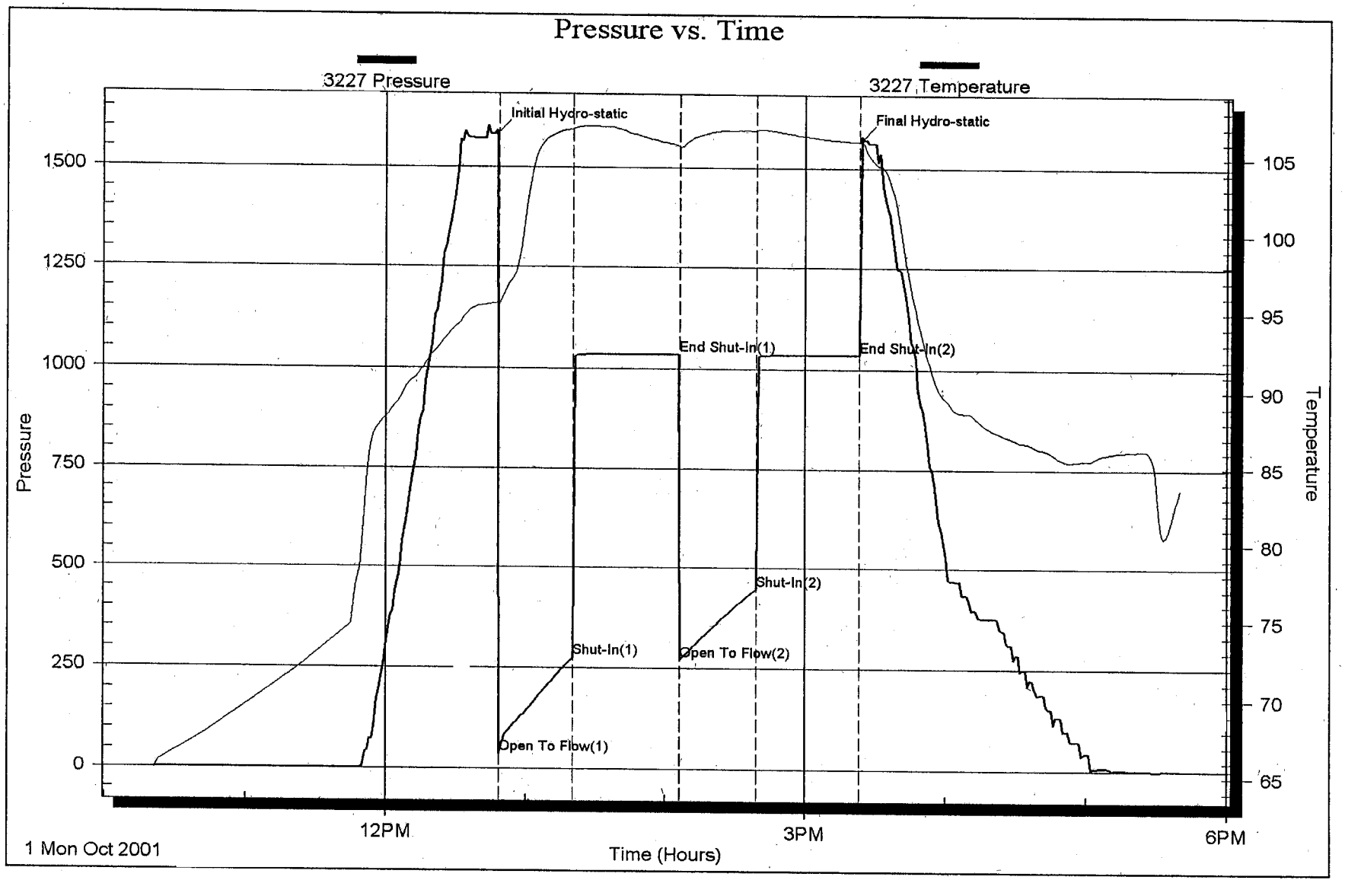

Pressure vs. Time
3227 Pressure
3227 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
105
100
95
90
85
80
75
70
65
12PM
3PM
6PM
1 Mon Oct 2001
Time (Hours)

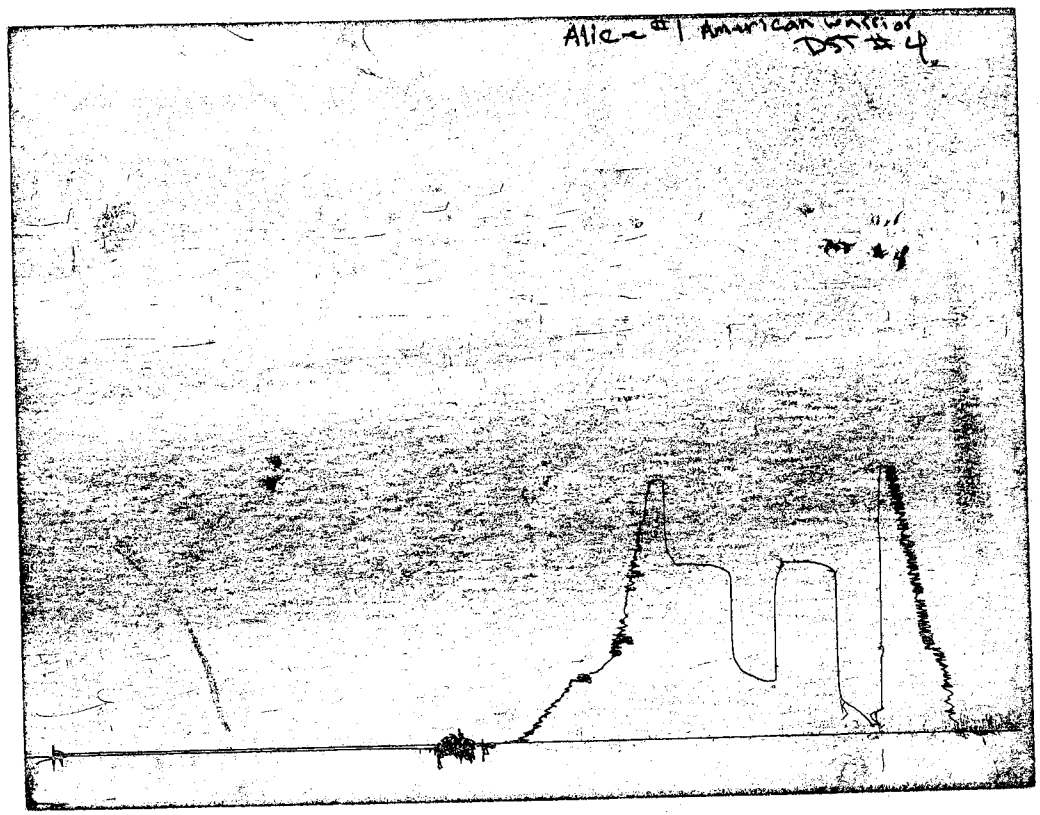
CHART PAGE

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



CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15421

Test Ticket

Well Name & No. Alice #1 Test No. 4 Date 10-1-01

Company American Warrior Zone Tested Arbuckle

Address PO Box 399 Garden City, 67846 Elevation 1794 KB 1795 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 6 Twp. 18S Rge. 10W Co. Rice State KS

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) ____ Evaluation (Y, N) ____

Interval Tested 3216-3230 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 44,000

Anchor Length 14 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 3211 Tool Weight 2100

Bottom Packer Depth 3216 Hole Size — ~~7 7/8"~~ 9 7/8 Rubber Size — ~~6 3/4"~~ 9

Total Depth 3230 Wt. Pipe Run 0 Drill Collar Run 30

Mud Wt. 9.4+ LCM ____ Vis. 48 WL 8.0 Drill Pipe Size 4½ XH Ft. Run 3170

Blow Description XF Strong Blow 4 MINS. BOB
ISI NO Blow
FF Strong Blow 4½ MINS BOB
FSI NO Blow

Recovery — Total Feet 900 GIP ____ Ft. in DC ____ Ft. in DP ____

Rec. 430	Feet Of SOCMW	%gas 5	%oil 80	%water 20	%mud	
Rec. 470	Feet Of MW	%gas	%oil 80	%water 20	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	

BHT 106 °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW N.C. @ ____ °F Chlorides ____ ppm Recovery Chlorides 6000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1585	PSI	Recorder No.	3225	T-On Location 09:45
(B) First Initial Flow Pressure		37	PSI	(depth)	3218	T-Started 10:16
(C) First Final Flow Pressure		274	PSI	Recorder No.	13362	T-Open 13:15
(D) Initial Shut-In Pressure		1035	PSI	(depth)	3227	T-Pulled 15:30
(E) Second Initial Flow Pressure		271	PSI	Recorder No.	~~~~	T-Out 17:30
(F) Second Final Flow Pressure		447	PSI	(depth)	~~~~	T-Off Location ____
(G) Final Shut-in Pressure		1035	PSI	Initial Opening	30	Test ✓ 700
(Q) Final Hydrostatic Mud		1549	PSI	Initial Shut-in	45	Jars ✓ 200
				Final Flow	30	Safety Joint ✓
				Final Shut-in	45	Straddle ____
						Circ. Sub ____
						Sampler ____
						Extra Packer ✓ 150
						Elec. Rec. ✓ 150
						Mileage ____
						Other ____
						TOTAL PRICE $ 1250

7:45

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Approved By ____

Our Representative

Well Name Alice #1
DST Number 2
Recorder Number 13362

A:	1,279	1421
B:	.347	389
C:	.652	727
D:	.779	868
E:	.746	831
F:	.776	865
G:	.805	897
Q:	1.257	1397