

15-033-21015

KCC

20-32s-19w

DEC 9 1999

CONFIDENTIAL

RELEASED

DEC 19 2001

FROM CONFIDENTIAL

Well Name: LA Rich 1-20
Company: American Warrior
Location: 20-32s-19w
Comanche County Kansas
Date: 7-15-99

RECEIVED
STATE COORDINATION PERMISSSION

NOV 17 1999

CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior

DATE 7-9-99

WELL NAME: LA Rich 1-20

KB 0.00 ft

TICKET NO: 11282 DST #1

LOCATION : 20-32s-19w Comanche co KS

GR 0.00 ft

FORMATION: Mississippi

INTERVAL : 5125.00 To 5157.00 ft

TD 5157.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	10333	10333	3026			PF Fr. 1700 to 1715 hr
SI 0 Range(Psi)	4050.0	4050.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12hr	12hr	elect			SF Fr. 1725 to 1737 hr
FS 0 Depth(ft)	5157.0	5157.0	5132.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2538.0	2525.0	2450.0	0.0	0.0	T STARTED 1440 hr
B. First Flow	213.0	212.0	129.0	0.0	0.0	T ON BOTM 1459 hr
Bl. Final Flow	264.0	269.0	184.0	0.0	0.0	T OPEN 1500 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1600 hr
D. Init Flow	0.0	0.0	720.0	0.0	0.0	T OUT 2040 hr
E. Final Flow	0.0	0.0	698.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2488.0	2463.0	2445.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 76000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 237.00 ft
						D.P. Length 4870.00 ft

RECOVERY

Tot Fluid 1750.00 ft of 237.00 ft in DC and 1513.00 ft in DP

1750.00 ft of Gassy mud 15% Gas 85% Mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Bottom of bucket in 10 secs. gas to
surface in 6 mins. gas will burn

Packers failed after 15 mins.

RELEASED

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MUD DATA-----

Mud Type	chemical
Weight	9.10 lb/cf
Vis.	47.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Scott Bugbee
Co. Rep.	Alan Downing
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: N

GAS RECOVERY

COMPANY: American Warrior DATE: 7-9-99
WELL NAME: LA Rich 1-20 KB Elev: 0.00 ft TICKET #11282 DST #1
WELL LOCATION: 20-32s-19w Comanche co KS GR Elev: 0.00 ft FORMATION: Mississippi
INTERVAL Fr.: 5125.00 To 5157.00 T.D.: 5157.00 ft TEST TYPE: CONVENTIONAL

AS RECOVERY MEASURED WITH merla

*** GAS RATES FOR FLOW #1

Time	Orifice	Pressure	H2O	Rate
(min)	(in)	(Psi)	(in)	(cf/d)
5	0.50	20	0	177000.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: LA Rich 1-20

LOCATION : 20-32s-19w Comanche co KS

TICKET No. 11282 D.S.T. No. 1 DATE 7-9-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 59

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands4 Single Total 237

D.P. ABOVE TOOLS.Stands77 Single 1 Total 4870

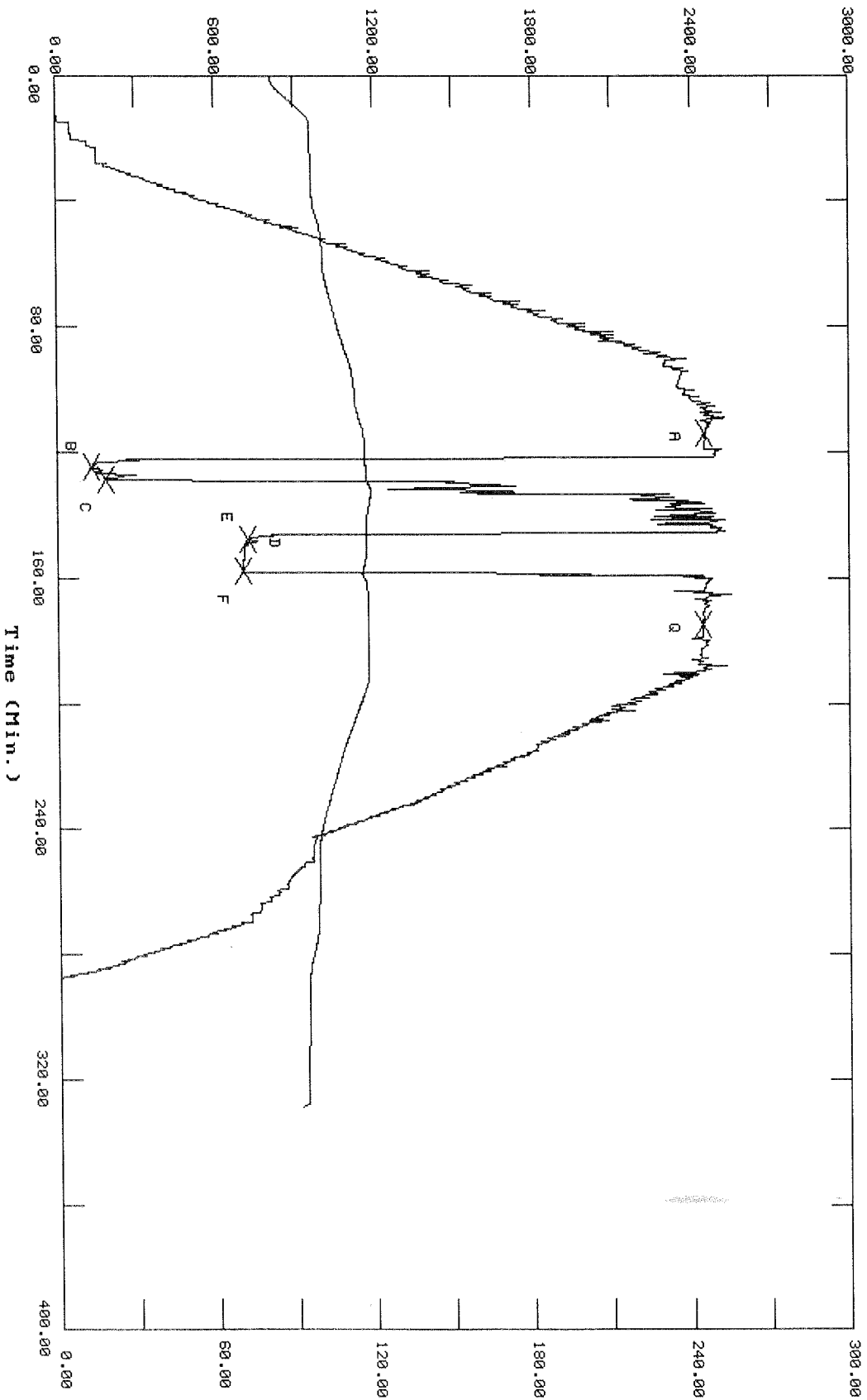
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5166

TOTAL DEPTH 5157

P.O. SUB top of tool	5098
C.O. SUB 1'	5099
S.I. TOOL	5104
HMV 5'	5109
JARS 5'	5114
SAFETY JOINT 2'	5116
PACKER 5'	5121
PACKER 5'	5125
DEPTH 5125	
STUBB 1'	5126
ANCHOR	
1' perf	5127

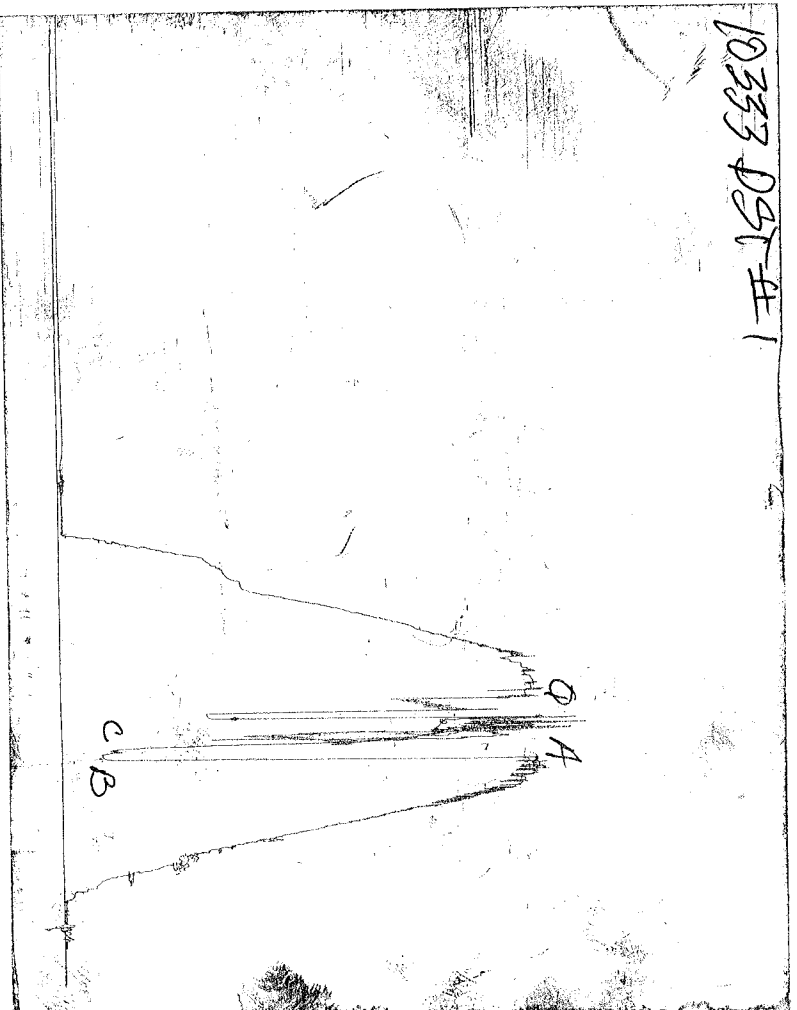
TEST HISTORY

DST#1 LA RICH 1-20 American Warrior



Flag Points		
t (Min.)	P (PSig)	
A: 0.00	2450.98	
B: 0.00	129.42	
C: 3.75	184.09	
D: 18.75	720.80	
E: 0.00	720.80	
F: 10.25	698.37	
G: 0.00	2445.55	

CHART PAGE



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

TRILOBITE TESTING L.L.C.

230886

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11282

Well Name & No. <u>LA Rich #1-20</u>	Test No. <u>#1</u>	Date <u>7-9-99</u>
Company <u>American Warrior</u>	Zone Tested <u>Mississippi</u>	
Address <u>P.O. Box 399 Garden City Ks. 679240399</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Alan Downing</u>	Cont. <u>Duke #7</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u>	Twp. <u>32S</u>	Rge. <u>19W</u> Co. <u>Comanche</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5125-5157 Initial Str Wt./Lbs. 76,000 Unseated Str Wt./Lbs. 76,000
 Anchor Length 32' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 5121 Tool Weight 1800
 Bottom Packer Depth 5125 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 5157 Wt. Pipe Run _____ Drill Collar Run 237 ^{45 lbs}
 Mud Wt. 9.1 LCM 3 Vis. 47 WL 10.0 Drill Pipe Size 4 1/2 x 14 Ft. Run 4820 ^{175 lbs}
 Blow Description 1st open B.B. in 10 sec. GTS in 6 min. Gas will burn
Packers failed after 15 min.
misrun

Recovery — Total Feet _____	GIP <u>GTS</u>	Ft. in DC _____	Ft. in DP _____
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 _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6600 ppm System

(A) Initial Hydrostatic Mud <u>2538</u> <u>2450</u>	PSI	Recorder No. <u>3026</u>	T-Started <u>2:40 P.M.</u>
(B) First Initial Flow Pressure <u>213</u> <u>129</u>	PSI	(depth) <u>5132</u>	T-Open <u>5:00 P.M.</u>
(C) First Final Flow Pressure <u>264</u> <u>184</u>	PSI	Recorder No. <u>10333</u>	T-Pulled <u>6:00 P.M.</u>
(D) Initial Shut-in Pressure _____	PSI	(depth) <u>5157</u>	T-Out _____
(E) Second Initial Flow Pressure _____	PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>698</u>	PSI	(depth) _____	
(G) Final Shut-in Pressure _____	PSI	Initial Opening _____	Test ☒ <u>600⁰⁰</u>
(H) Final Hydrostatic Mud <u>2488</u> <u>2445</u>	PSI	Initial Shut-in _____	Jars ☒ <u>200⁰⁰</u>
<u>AKI</u> <u>Alpine</u>		Final Flow _____	Safety Joint ☒ <u>50⁰⁰</u>
		Final Shut-in _____	Straddle _____
			Circ. Sub ☒ <u>N/C</u>
			Sampler _____
			Extra Packer _____
			Elect. Rec. ☒ <u>150⁰⁰</u>
			Other _____

TRILOBITE TESTING L.L.C. 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 Scott Baylee

TOTAL PRICE \$ 1000⁰⁰