

ORIGINAL

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4058
Name: American Warrior, Inc.
Address PO Box 399
Garden City, Kansas 67846
City/State/Zip
Purchaser: ANR
Operator Contact Person: Kevin Wiles
Phone (316) 275-2963
Contractor: Name: Duke Drilling
License: 5929
Wellsite Geologist: Alan Downing
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSV, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTB
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____
10-30-98 11-11-98 11-24-98
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,97780000000000
County Comanche
NE SW SW Sec. 29 Twp. 32 Rge. 19 E
950 Feet from (S)N (circle one) Line of Section
1020 Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Rich Well # 1-29
Field Name Kerstetter
Producing Formation Viola
Elevation: Ground 1916 KB 1927
Total Depth 6123 PBTB 5906
Amount of Surface Pipe Set and Cemented at 672 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content 4800 ppm Fluid volume 250 bbls
Dewatering method used Hauled offsite
Location of fluid disposal if hauled offsite: _____
Operator Name KBW Oil & Gas
Lease Name Harmon SWD License No. 5993
NW Quarter Sec. 11 Twp. 33 S. Rng. 20 E/W
County Comanche Docket No. 98329

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Production Superintendent Date 3-9-99
Subscribed and sworn to before me this 9th day of March
19 99.
Notary Public [Signature]
Date Commission Expires 2001

DEBRA J. PURCELL
Notary Public - State of Kansas
My Appt. Expires 11/1/99

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name American Warrior, Inc. Lease Name Rich Well # 1-29

Sec. 29 Twp. 32 Rge. 19 East West County Comanche

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No (Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No (Submit Copy.)

Log Formation (Top), Depth and Datum Sample Name Top Datum

SEE ATTACHED SHEET.

List All E.Logs Run:

DIL, CDNL, SONIC, MICRO

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4	8-5/8	23#	672	Allied	450	3% cc 2% gel 1/4# flocele
Production	7-7/8	5-1/2	17#	593	MidconII	255	2% cc 1/4# flo 3% halad 344 3% cfr-3

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	5770-5796	1500 gals. 20% fe acid 5770
		5796

TUBING RECORD Size 2-3/8" Set At 5740' Packer At 5746' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. shut in waiting on pipeline Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil SI Bbls.	Gas SI Mcf	Water Bbls. SI	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) Production Interval 5770
5796

ORIGINAL

ORIGINAL

AMERICAN WARRIOR, INC.
29-32-19W

RICH #1-29
COMANCHE COUNTY, KANSAS

FORMATION (TOP). DEPTH & DATUMS

NAME:	TOP	DATUM
HEEBNER	4167	-2240
TORONTO	4186	-2259
LANSING	4370	-2443
KC"A"	4714	-2787
LC"B:	4772	-2848
BKC	4860	-2933
MARMATON	4874	-2947
PAWNEE	4957	-3027
FORT SCOTT	4994	-3067
CHEROKEE	5006	-3079
MISSISSIPPIAN	5094	-3167
VIOLA	5750	-3823
ARBUCKLE	6106	-4179

15-033-20977-0000

RECEIVED
KANSAS CORP COM
1999 MAR 11 A 11:25
3-11-99

ORIGINAL

Well Name: Rich #1-29
Company: American Warriors
Location: 29-32s-19w
Comanche County Kansas
Date: 11-12-98

15-033-20977

TRILOBITE TESTING L.L.C.

OPERATOR : Americian Warriors DATE 11-6-98
 WELL NAME: Rich #1-29 KB 1927.00 ft TICKET NO: 10947 DST #1
 LOCATION : 29-40S-30E Comanche co KS GR 1916.00 ft FORMATION: Mississippian
 INTERVAL : 5094.00 To 5159.00 ft TD 5159.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	3227			PF Fr. 2105 to 2135 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 2135 to 2235 hr
SF 60 Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 2235 to 2335 hr
FS 60 Depth(ft)	5056.0	5056.0	5097.0	0.0	0.0	FS Fr. 2335 to 0035 hr

	Field	1	2	3	4	
A. Init Hydro	2564.0	2550.0	2564.0	0.0	0.0	T STARTED 1830 hr
B. First Flow	26.0	78.0	26.0	0.0	0.0	T ON BOTM 2100 hr
B1. Final Flow	34.0	61.0	34.0	0.0	0.0	T OPEN 2105 hr
C. In Shut-in	128.0	142.0	128.0	0.0	0.0	T PULLED 0035 hr
D. Init Flow	30.0	67.0	30.0	0.0	0.0	T OUT 0245 hr
E. Final Flow	36.0	67.0	36.0	0.0	0.0	
F. Fl Shut-in	122.0	131.0	122.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2404.0	2519.0	2504.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5106.00 ft

RECOVERY

Tot Fluid 30.00 ft of 0.00 ft in DC and 30.00 ft in DP
 30.00 ft of 100% drilling 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:
 Fair blow built to 5 1/2"
 Initial Shut-in:
 No blow back
 Final Flow:
 Slow building blow built to 3.5"
 Final Shut-in:
 No blow back

SAMPLES: NO..

SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.30 lb/
 Vis. 45.00 S/L
 W.L. 11.20 in3
 F.C. 0.00 in
 Mud Drop Y 25.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 111.00 F
 Hole Condition Good
 % Porosity 10.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Mike Colantonio
 Co. Rep. alan Downing
 Contr. Duke
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

TEST HISTORY

10947 DST#1 Rich #1-29 American Warrior

Flag Points

t(Min.) P(PSIg)

A:	0.00	2564.65
B:	0.00	26.70
C:	31.25	34.41
D:	58.00	128.78
E:	0.00	30.10
F:	58.25	36.81
G:	60.75	122.57
Q:	0.00	2504.17

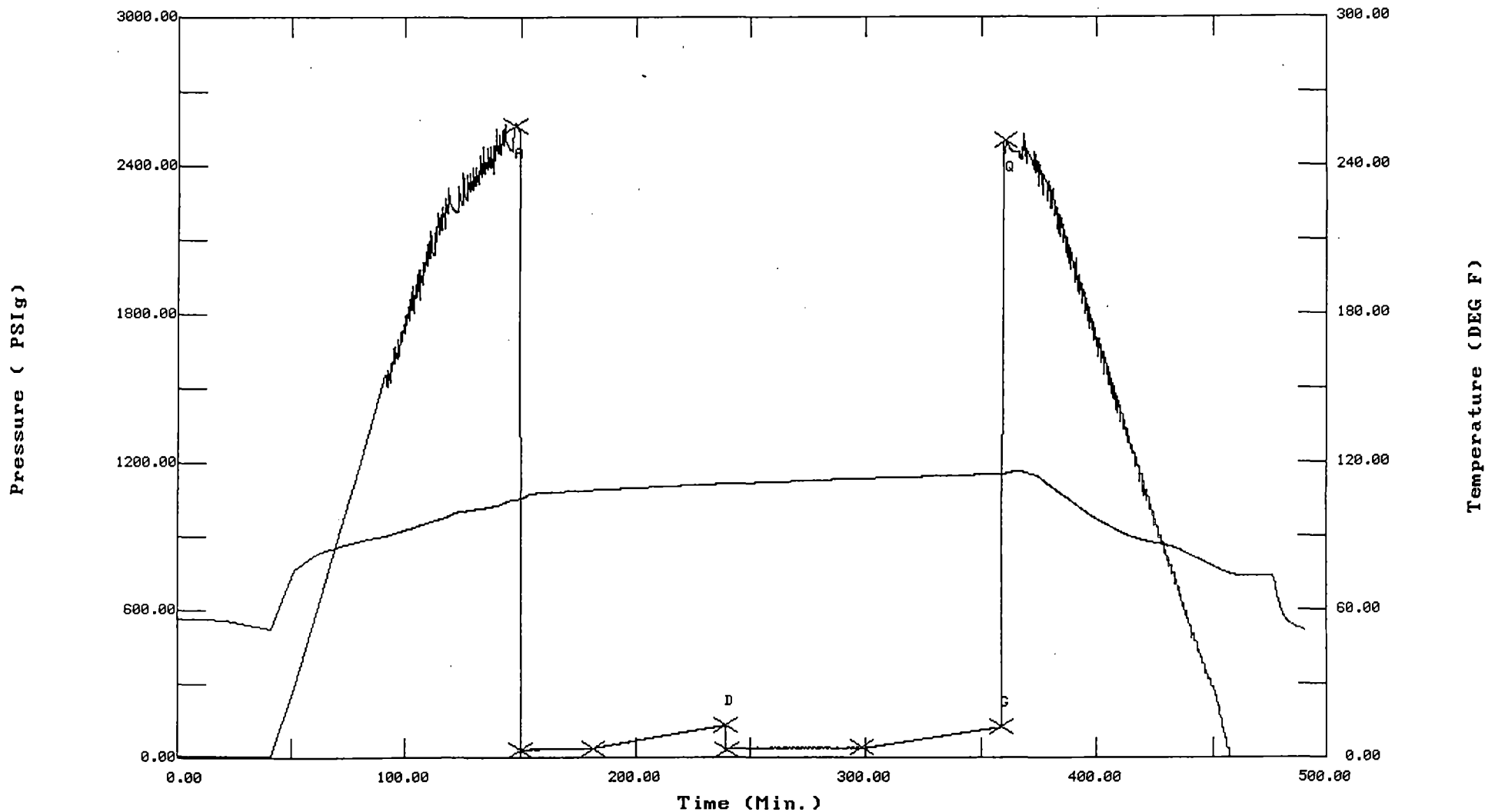
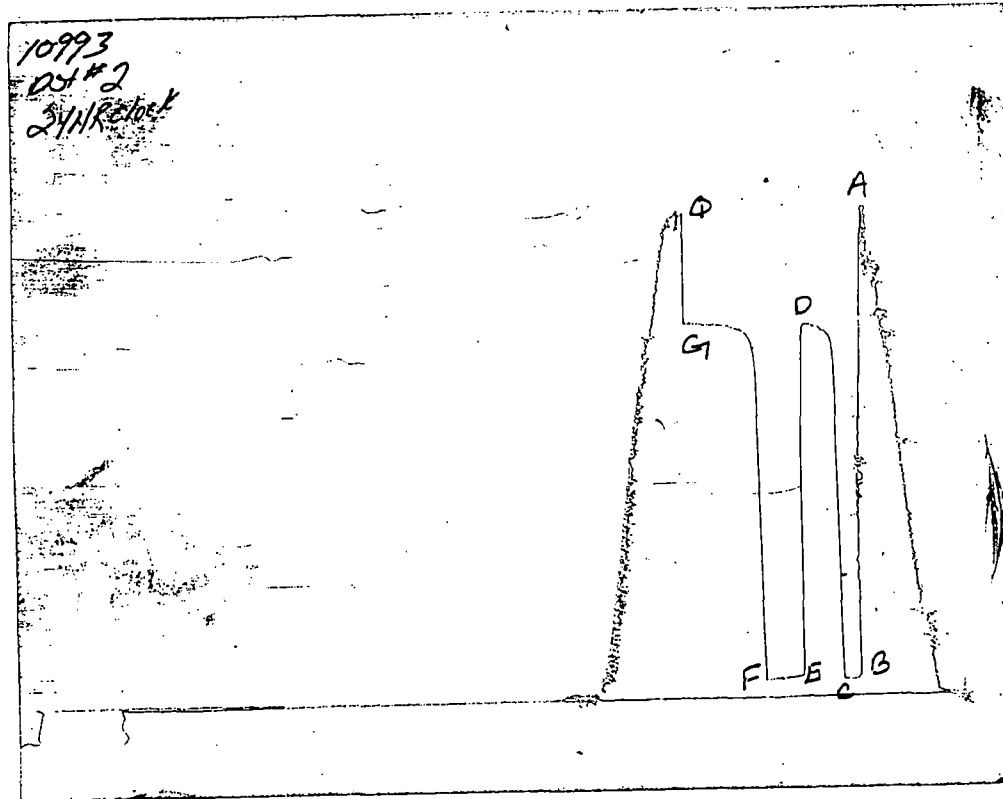


CHART PAGE



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

11
11

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10947

Well Name & No. <u>Rich #1-29</u>	Test No. <u>#1</u>	Date <u>11-6-98</u>
Company <u>American Warriors</u>	Zone Tested <u>Mississippian</u>	
Address <u>PO Box 389 Garden City KS 67846-0399</u>	Elevation <u>1927</u> KB <u>1916</u> GL	
Co. Rep / Geo. <u>Alan Downing</u>	Cont. <u>Duke Rig #5</u>	Est. Ft. of Pay <u>8</u> Por. <u>10</u> %
Location: Sec. <u>29</u> Twp. <u>40S</u> Rge. <u>30E</u>	Co. <u>Comanche</u> State <u>KS</u>	
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
	Evaluation (Y, N) _____	

Interval Tested <u>5094 - 5159</u>	Initial Str Wt./Lbs. <u>58,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>65'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>5089</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>5094</u>	Hole Size — <u>7 7/8"</u> <u>X</u>	Rubber Size — <u>6 3/4"</u> <u>X</u>
Total Depth <u>5159</u>	Wt. Pipe Run _____	Drill Collar Run <u>NONE</u>
Mud Wt. <u>9.3</u> LCM <u>2nd</u> Vis. <u>45</u> WL <u>11.2</u>	Drill Pipe Size <u>4.5 x 0</u>	Ft. Run <u>5106</u>

Flow Description Fain Blow Built to 5 1/2" Seeping
I-S-I No Blow Back
2nd opening Slow building Blow Built to 3 1/2"
E-S-I No Blow Back.

Recovery — Total Feet <u>30</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>30'</u>
Rec. <u>30</u> Feet Of <u>Wtly Mud</u>	%gas _____	%oil _____	%water <u>100%</u> %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 111 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5,100 ppm System _____

(A) Initial Hydrostatic Mud <u>2564</u>	PSI Recorder No. <u>3227</u>	T-Started <u>6:30pm</u>
(B) First Initial Flow Pressure <u>26</u>	PSI (depth) <u>5097</u>	T-Open <u>9:05pm</u>
(C) First Final Flow Pressure <u>34</u>	PSI Recorder No. <u>10993</u>	T-Pulled <u>12:35 AM</u>
(D) Initial Shut-in Pressure <u>128</u>	PSI (depth) <u>5056</u>	T-Out _____
(E) Second Initial Flow Pressure <u>30</u>	PSI Recorder No. _____	
(F) Second Final Flow Pressure <u>36</u>	PSI (depth) _____	
(G) Final Shut-in Pressure <u>122</u>	PSI Initial Opening <u>30min</u>	Test <u>Conventional</u>
(H) Final Hydrostatic Mud <u>2504</u>	PSI Initial Shut-in <u>60min</u>	Jars <u>✓</u>

Alan Downing

Final Flow 60min Safety Joint ✓
Final Shut-in 60min Straddle _____

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 Alan Downing
Our Representative Alan Downing

Circ. Sub N/C
Sampler _____
Extra Packer _____
Elect. Rec. ✓
Other _____
TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Americian Warrior DATE 11-9-98
 WELL NAME: Rich #1-29 KB 1927.00 ft TICKET NO: 10948 DST #2
 LOCATION : 29-32S-19W Comanche co KS GR 1916.00 ft FORMATION: Viola
 INTERVAL : 5749.00 To 5814.00 ft TD 5814.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10993	10993	3227			PF Fr. 1900 to 1930 hr
SI 60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1930 to 2030 hr
SF 60	Clock(hrs)	12HR.	12HR.	Elet.			SF Fr. 2030 to 2130 hr
FS 120	Depth(ft)	5811.0	5811.0	5752.0	0.0	0.0	FS Fr. 2130 to 2330 hr

	Field	1	2	3	4	
A. Init Hydro	2791.0	2718.0	2791.0	0.0	0.0	T STARTED 1645 hr
B. First Flow	45.0	92.0	45.0	0.0	0.0	T ON BOTM 1858 hr
Bl. Final Flow	64.0	89.0	64.0	0.0	0.0	T OPEN 1900 hr
C. In Shut-in	2127.0	2089.0	2127.0	0.0	0.0	T PULLED 2330 hr
D. Init Flow	50.0	102.0	50.0	0.0	0.0	T OUT 0215 hr
E. Final Flow	67.0	94.0	67.0	0.0	0.0	
F. Fl Shut-in	2129.0	2110.0	2129.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2750.0	2712.0	2750.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 12000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 65000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5761.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
 90.00 ft of Gassy Mud 10% Gas 90% 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:
 Strong blow bottom of bucket in 1 min. Gas to surface in 11 1/2 mins.
 Initial Shut-in:
 No blow back
 Final Flow:
 Strong blow bottom of bucket as soon as open tool
 Final Shut-in:
 No blow back

SAMPLES: Yes 1
 SENT TO: Caraway Lab.

MUD DATA-----
 Mud Type Chemical
 Weight 9.10 lb/cf
 Vis. 44.00 S/L
 W.L. 11.20 in3
 F.C. 0.00 in
 Mud Drop Y 25.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 128.00 F
 Hole Condition Good
 % Porosity 10.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Mike Colantonio
 Co. Rep. Alan Downing
 Contr. Duke Drlg.
 Rig # 5
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Rich #1-29

LOCATION : 29-32S-19W

TICKET No. 10948 D.S.T. No. 2 DATE 11-9-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 61

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands Single 97 Total 5730

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5822

TOTAL DEPTH 5814

TOTAL DRILL PIPE ABOVE K.B. 8ft.

REMARKS:

NO SAMPLER RUN

P.O. SUB Top tool	5722
C.O. SUB 1ft	5723
S.I. TOOL Sterling	5728
HMV Sterling	5733
JARS Sterling	5738
SAFETY JOINT Bowens	5740
PACKER 5ft	5749
PACKER 5ft	5749
DEPTH	
STUBB 1ft	5750
ANCHOR	
2ft Perf	5752
Alpine rec.	5752
5ft P.U. Sub	5757
T.C.	
DEPTH	
20ft Perf	5777
33ft Pipe Subs	5810
AK-1 Rec.	5811
BULLNOSE	
T.D. 4ft Bullplug.	5814

TEST HISTORY

10948 DST #2 Rich #1-29 American Warrior.

Flag Points
t(Min.) P(PSig)

A: 0.00 2791.16
B: 0.00 45.63
C: 28.00 64.21
D: 58.75 2127.56
E: 0.00 50.71
F: 57.25 67.36
G: 124.75 2129.64
Q: 0.00 2750.48

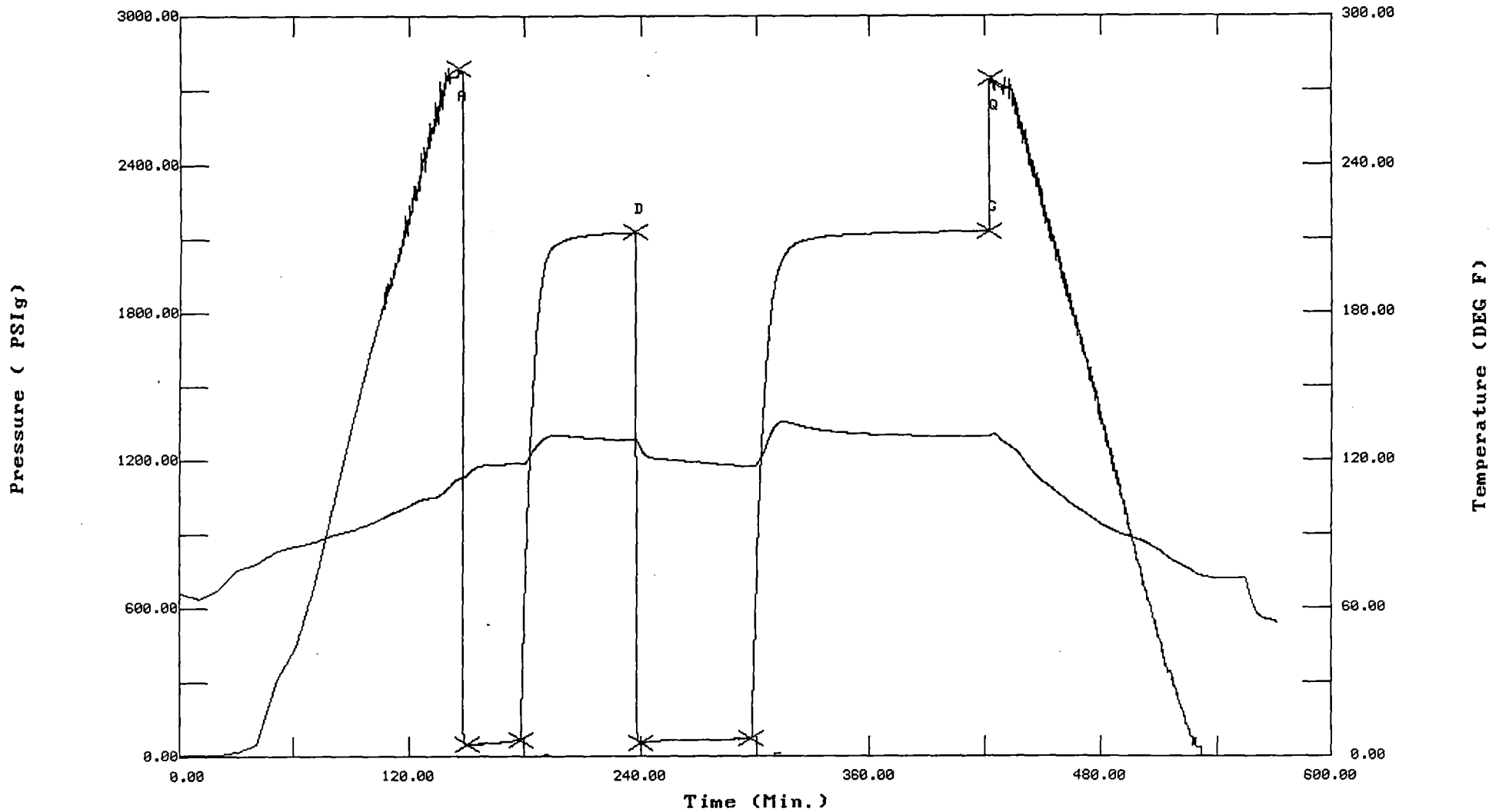
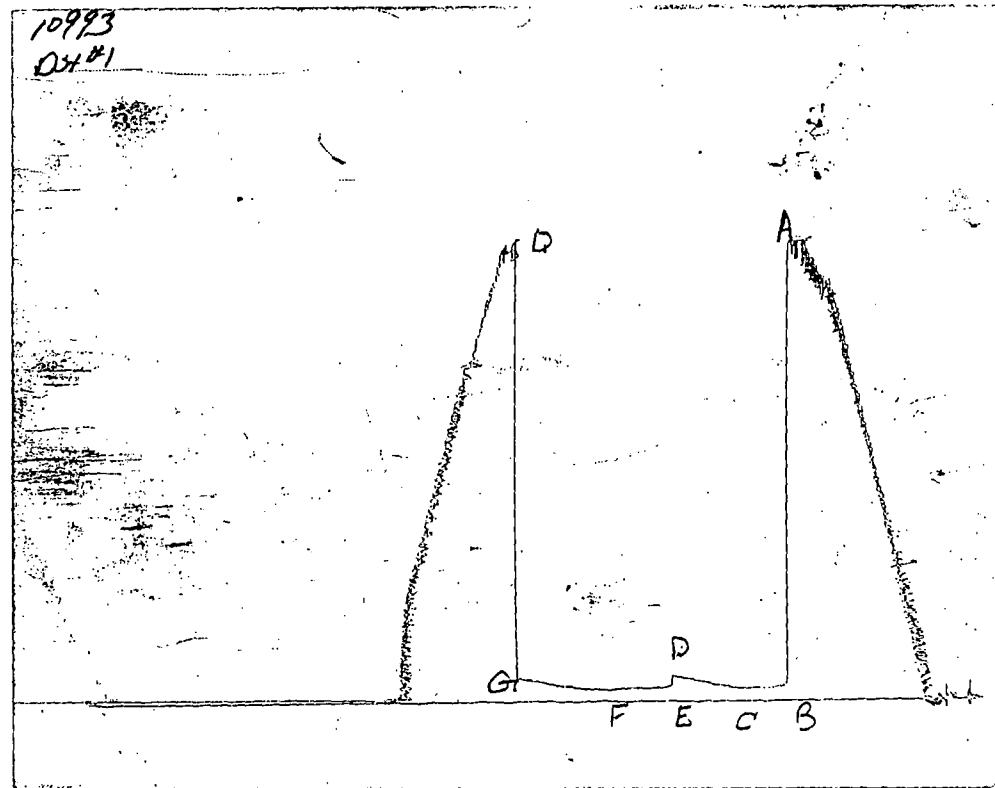


CHART PAGE



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

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 10948

Well Name & No. <u>Rich #1-29</u>	Test No. <u>#2</u>	Date <u>11-9-98</u>
Company <u>American Wellco</u>	Zone Tested <u>Vioha</u>	
Address <u>P.O. Box 399 Garden City KS 67846-0399</u>	Elevation <u>1227</u> KB <u>1916</u> GL	
Co. Rep / Geo. <u>Alan Downing</u>	Cont. <u>Duke Big #5</u>	Est. Ft. of Pay <u>15</u> Por. <u>10</u> %
Location: Sec. <u>29</u> Twp. <u>32S</u> Rge. <u>17W</u> Co. <u>Comanche</u> State <u>KS.</u>		
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
		Evaluation (Y, N) _____

Interval Tested <u>5749-5814</u>	Initial Str Wt./Lbs. <u>65,000</u>	Unseated Str Wt./Lbs. <u>65,000</u>
Anchor Length <u>65'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>120 per</u>
Top Packer Depth <u>5744</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>5749</u>	Hole Size — 7 7/8" <u>X</u>	Rubber Size — 6 3/4" <u>X</u>
Total Depth <u>5814</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>None</u>
Mud Wt. <u>9.1</u> LCM <u>4"</u> Vis. <u>44</u> WL <u>112</u>	Drill Pipe Size <u>4.5 X-0</u>	Ft. Run <u>5761</u>
Blow Description <u>Strong Blow B.O.B. in 1 min GTS 1 1/2 min MCF@ 90,000</u>		
<u>ISI. NO Blow Back</u>		
<u>Ind. opening Strong Blow B.O.B. soon as gas had. MCF@ 119,000</u>		
<u>ISI. NO Blow Back</u>		

Recovery — Total Feet <u>90</u>	GIP _____	Ft. in DC _____	Ft. in DP <u>90</u>
Rec. <u>90</u> Feet Of <u>Gassy Mud</u>	<u>10</u> %gas	%oil	%water <u>90</u> %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 128 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5900 ppm System

(A) Initial Hydrostatic Mud <u>2791</u>	PSI	Recorder No. <u>10993</u>	T-Started <u>4:45 pm</u>
(B) First Initial Flow Pressure <u>45</u>	PSI	(depth) <u>5811</u>	T-Open <u>7:00 am</u>
(C) First Final Flow Pressure <u>64</u>	PSI	Recorder No. <u>3227</u>	T-Pulled <u>11:30 pm</u>
(D) Initial Shut-in Pressure <u>2127</u>	PSI	(depth) <u>5752</u>	T-Out <u>2:15 am</u>
(E) Second Initial Flow Pressure <u>50</u>	PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>67</u>	PSI	(depth) _____	
(G) Final Shut-in Pressure <u>2129</u>	PSI	Initial Opening <u>30 min</u>	Test <u>Conversions</u>
(H) Final Hydrostatic Mud <u>2750</u>	PSI	Initial Shut-in <u>60 min</u>	Jars <u>✓</u>
		Final Flow <u>60 min</u>	Safety Joint <u>✓</u>
		Final Shut-in <u>120 min</u>	Straddle _____
			Circ. Sub <u>N/C</u>
			Sampler _____
			Extra Packer _____
			Elect. Rec. <u>✓</u>
			Other _____

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Approved By Alan Downing

Our Representative Mike Colquhoun

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