

WELL NAME:

Barnes #12

COMPANY:

American Warrior Inc.

LOCATION:

12-32s-19w

Comanche co Kansas

DATE:

8/15/00

ORIGINAL

OPERATOR : Amarian Warrior DATE 8-8-00
 WELL NAME: Barnes #12 KB 1940.00 ft TICKET NO: 13063 DST #1
 LOCATION : 12-32s-19w Comanche co KS GR 1930.00 ft FORMATION: Viola
 INTERVAL : 5645.00 To 5687.00 ft TD 5687.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13277	13277	3026			PF Fr. 2323 to 2338 hr
SI 45 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 2338 to 0038 hr
SF 15 Clock(hrs)	18hr	18hr	elect			SF Fr. 0038 to 0053 hr
FS 90 Depth(ft)	5687.0	5687.0	5653.0	0.0	0.0	FS Fr. 0053 to 0223 hr

	Field	1	2	3	4	
A. Init Hydro	2769.0	2801.0	2714.0	0.0	0.0	T STARTED 2100 hr
B. First Flow	1977.0	1993.0	1903.0	0.0	0.0	T ON BOTM 2322 hr
B1. Final Flow	1987.0	1995.0	1949.0	0.0	0.0	T OPEN 2323 hr
C. In Shut-in	2039.0	2058.0	2012.0	0.0	0.0	T PULLED 0223 hr
D. Init Flow	1977.0	1992.0	1906.0	0.0	0.0	T OUT 0450 hr
E. Final Flow	1987.0	2006.0	1955.0	0.0	0.0	
F. Fl Shut-in	2039.0	2058.0	2012.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2739.0	2871.0	2692.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 78000.00 lbs
						Unseated Str Wt 78000.00 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 414.00 ft
						D.P. Length 5230.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
 120.00 ft of Water
 0.00 ft of 100% water
 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 70000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket
 immediately. Gas to surface in 1 1/2
 minutes. Gas will burn.
 Initial Shut-In:
 Bled 2". No blow back.
 Final Flow:
 Bottom of bucket immediately.
 Final Shut-In:
 No blow back.

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	55.00 S/L
W.L.	6.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	140.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Alan Downing
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

SAMPLES: Yes
 SENT TO: Caraway Analytical

Test Successful: Y

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INTERVAL Fr.: 5645.00 To 5687.00 T.D.: 5687.00 ft TEST TYPE: CONVENTIONAL

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	2.00	80	0	5543000.0
10	2.00	100	0	6737000.0
15	2.00	120	0	0.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
1	2.00	50	0	3752000.0
5	2.00	80	0	5543000.0
10	2.00	120	0	0.0
15	2.00	120	0	0.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Barnes #12

LOCATION : 12-32s-19w Comanche co KS

TICKET No. 13063 D.S.T. No. 1 DATE 8-8-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 42

TOTAL TOOL 69

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.Stands7 Single Total 414

D.P. ABOVE TOOLS.Stands Single Total 5230

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5713

TOTAL DEPTH 5687

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:

RW .14 at 70 deg.

70000 Chlorides

P.O. SUB top of tool	5618
C.O. SUB 1' DP	5619
S.I. TOOL 5'	5624
HMV 5'	5629
JARS 5'	5634
SAFETY JOINT 2'	5636
PACKER 5'	5641
PACKER 5'	5645
DEPTH 5645 1' sub	5646
ANCHOR 2' perf	5648
Alpine Rec.	5653
5' PU sub	5653
29' perf	5682
AK1 Rec.	5687
BULLNOSE T.D. 5'	5687

TEST HISTORY

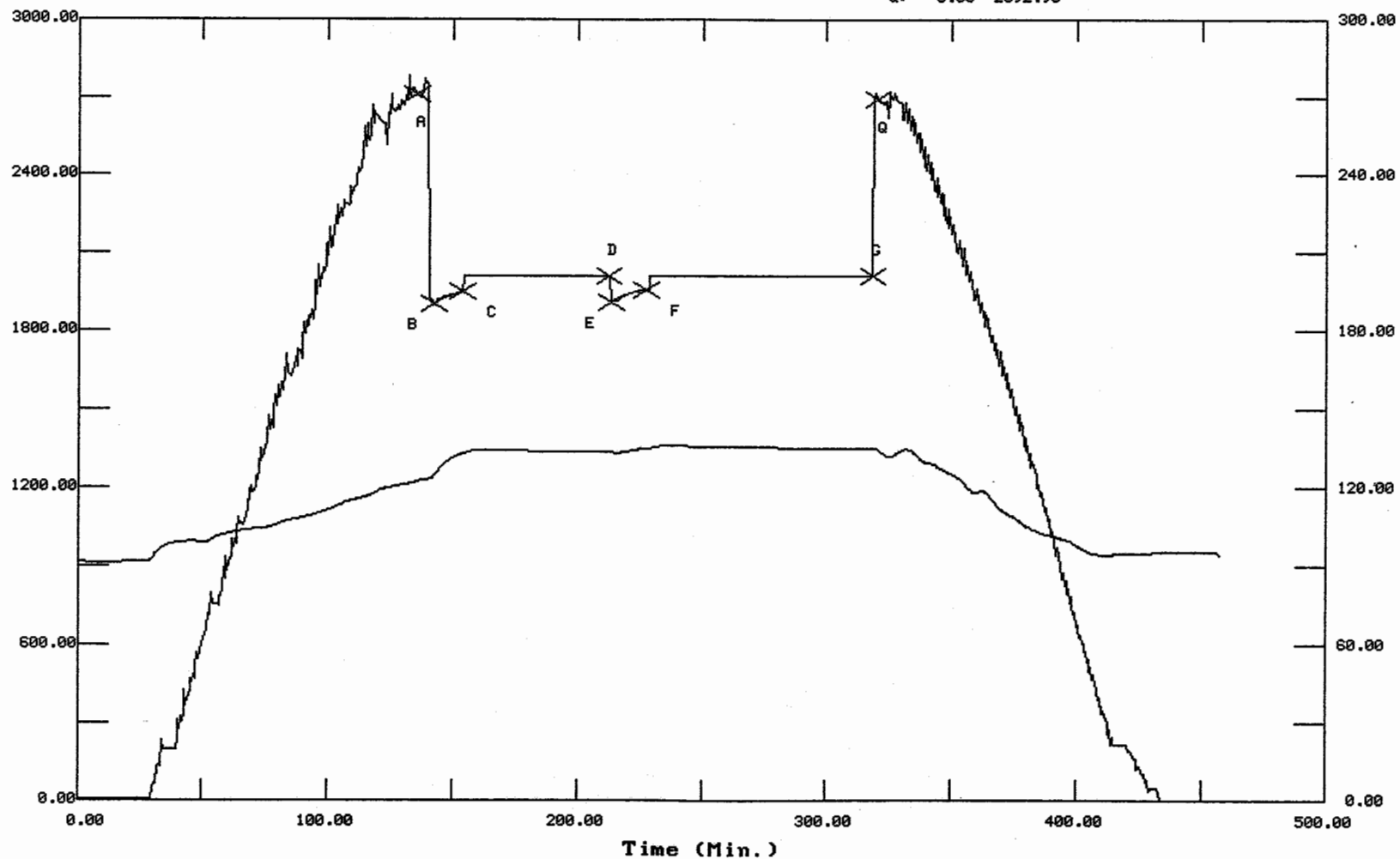
13063 DST#1 Barnes #12 American Warrior Inc.

Flag Points

t(Min.) P(PSig)

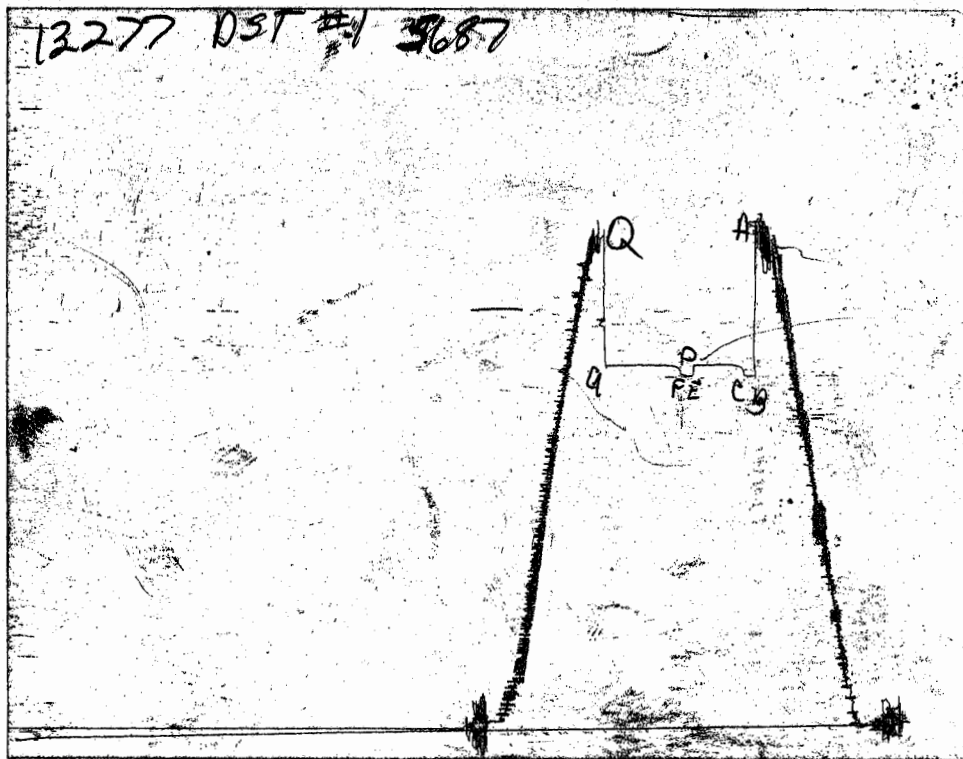
A: 0.00 2714.98
B: 0.00 1983.01
C: 11.50 1949.15
D: 58.50 2012.73
E: 0.00 1906.22
F: 14.00 1955.24
G: 91.00 2012.70
Q: 0.00 2692.95

Pressure (PSig)



Temperature (DEG F)

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

Nº 13063

Test Ticket

Well Name & No. Barnes #12 Test No. #1 Date 8-8-00
Company American Warrior, INC. Zone Tested Viola
Address Box 399 Garden City Ks 67846 Elevation 1930 KB 1940 GL
Co. Rep / Geo. Alan Downing Cont. Duke 7 Est. Ft. of Pay Por. %
Location: Sec. 12 Twp. 32S Rge. 19W Co. Comanche State Ks.
No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5645-5687 Initial Str Wt./Lbs. 78,000 Unseated Str Wt./Lbs. 78,000
Anchor Length 42' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 90,000
Top Packer Depth 5640 Tool Weight 2000
Bottom Packer Depth 5645 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 5687 Wt. Pipe Run Drill Collar Run 414'
Mud Wt. 9.2 LCM 5 Vis. 55 WL 6.0 Drill Pipe Size 4 1/2 XH Ft. Run 5230
Blow Description Strong blow B.O.B. immediately GTS in 1/2 min. Gas will burn
Bled 2" no blow back
2nd open B.O.B. immediately
No blow back

Recovery — Total Feet 120 GIP GTS Ft. in DC 120 Ft. in DP
Rec. 120 Feet Of Water %gas %oil 100 %water %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 14 @ 70 °F Chlorides 70,000 ppm Recovery Chlorides 4500 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2769</u>	<u>2714</u>		<u>3026</u>	<u>7:00 P.M.</u>
(B) First Initial Flow Pressure	<u>1977</u>	<u>1903</u>	PSI (depth)	<u>5653</u>	<u>9:00 P.M.</u>
(C) First Final Flow Pressure	<u>1987</u>	<u>1949</u>	PSI Recorder No.	<u>13277</u>	<u>11:23 P.M.</u>
(D) Initial Shut-In Pressure	<u>2039</u>	<u>2012</u>	PSI (depth)	<u>5687</u>	<u>2:23 A.M.</u>
(E) Second Initial Flow Pressure	<u>1977</u>	<u>1906</u>	PSI Recorder No.		<u>4:50 A.M.</u>
(F) Second Final Flow Pressure	<u>1987</u>	<u>1955</u>	PSI (depth)		
(G) Final Shut-in Pressure	<u>2039</u>	<u>2012</u>	PSI Initial Opening	<u>15</u>	Test <u>850⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>2739</u>	<u>2692</u>	PSI Initial Shut-in	<u>45</u>	Jars <u>200⁰⁰</u>
			Final Flow	<u>15</u>	Safety Joint <u>50⁰⁰</u>
			Final Shut-in	<u>90</u>	Straddle <u> </u>

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 Scott Braggs

Extra Packer
Elec. Rec. 150⁰⁰
Mileage 120⁰⁰
Other
TOTAL PRICE \$ 1370⁰⁰

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior, Inc.

DATE 08/10/200

WELL NAME: Barnes #12

KB 2083.00 ft

TICKET NO: 12819

DST #2

LOCATION : 12-32s-19w Comanche co KS

GR 2070.00 ft

FORMATION: Arbuckle

INTERVAL : 5991.00 To 6024.00 ft

TD 6024.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13805	13805	2350			PF Fr. 1745 to 1830 hr
SI 45 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 1830 to 1915 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1915 to 2000 hr
FS 45 Depth(ft)	6021.0	6021.0	5997.0	0.0	0.0	FS Fr. 2000 to 2045 hr

	Field	1	2	3	4	
A. Init Hydro	3051.0	3049.0	2985.0	0.0	0.0	T STARTED 1509 hr
B. First Flow	162.0	146.0	113.0	0.0	0.0	T ON BOTM 1742 hr
B1. Final Flow	943.0	937.0	949.0	0.0	0.0	T OPEN 1745 hr
C. In Shut-in	2186.0	2194.0	2178.0	0.0	0.0	T PULLED 2045 hr
D. Init Flow	900.0	920.0	897.0	0.0	0.0	T OUT 0100 hr
E. Final Flow	1427.0	1433.0	1440.0	0.0	0.0	
F. Fl Shut-in	2197.0	2205.0	2182.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	3030.0	3013.0	2932.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 100000.00 lbs
						Initial Str Wt 83000.00 lbs
						Unseated Str Wt 95000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 414.21 ft
						D.P. Length 5572.79 ft

RECOVERY

Tot Fluid 3365.00 ft of 414.00 ft in DC and 2951.00 ft in DP
 120.00 ft of Slightly mud cut water
 0.00 ft of 80% water 20% mud
 3245.00 ft of Salt water
 0.00 ft of 100% water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 100000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Fair blow bottom of bucket in 4 minutes.

Initial Shut-In:

Bled down for 90 seconds. Built back to 2 1/2".

Final Flow:

Strong blow built to bottom of bucket in 3 minutes.

Final Shut-In:

Bled down for 10 minutes. no blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	55.00 S/L
W.L.	10.00 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	147.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Al Downing
Contr.	Duke
Rig #	7
Unit #	none
Pump T.	none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Barnes #12	P.O. SUB Top of tool @	5964
	C.O. SUB	5965
LOCATION : 12-32s-19w Comanche co KS	S.I. TOOL	5970
TICKET No. 12819 D.S.T. No. 2 DATE 08/10/200		
TOTAL TOOL TO BOTTOM OF TOP PACKERS 28	HMV	5975
INTERVAL TOOL		
BOTTOM PACKERS AND ANCHOR 33	JARS	5980
TOTAL TOOL 61		
DRILL COLLAR ANCHOR IN INTERVAL		
D.C. ANCHOR STND.Stands Single Total	SAFETY JOINT	5982
D.P. ANCHOR STND.Stands Single Total		
TOTAL ASSEMBLY	PACKER	5986
D.C. ABOVE TOOLS.Stands7 Single Total 414.21	PACKER	5991
D.P. ABOVE TOOLS.Stands89 Single 1 Total 5572.79	DEPTH 5991	
	1'to	5992
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6048	ANCHOR 30'of perfs.to	6022
	Alpine rec. @ 5997	
TOTAL DEPTH 6024		
TOTAL DRILL PIPE ABOVE K.B. 24		
REMARKS:		
		6022
	Ak-1 rec. @ 6021	
	BULLNOSE 2'bullnose to	6024
	T.D.	

TEST HISTORY

Tk#12819 DST#2 Barnes#1-12 American Warrior Inc.

Flag
t(Min.) P(PSIg)

A: 0.00 2984.72
B: 0.00 113.46
C: 44.50 948.54
D: 44.50 2177.58
E: 0.00 896.93
F: 44.25 1440.11
G: 48.75 2182.79
Q: 0.00 2931.76

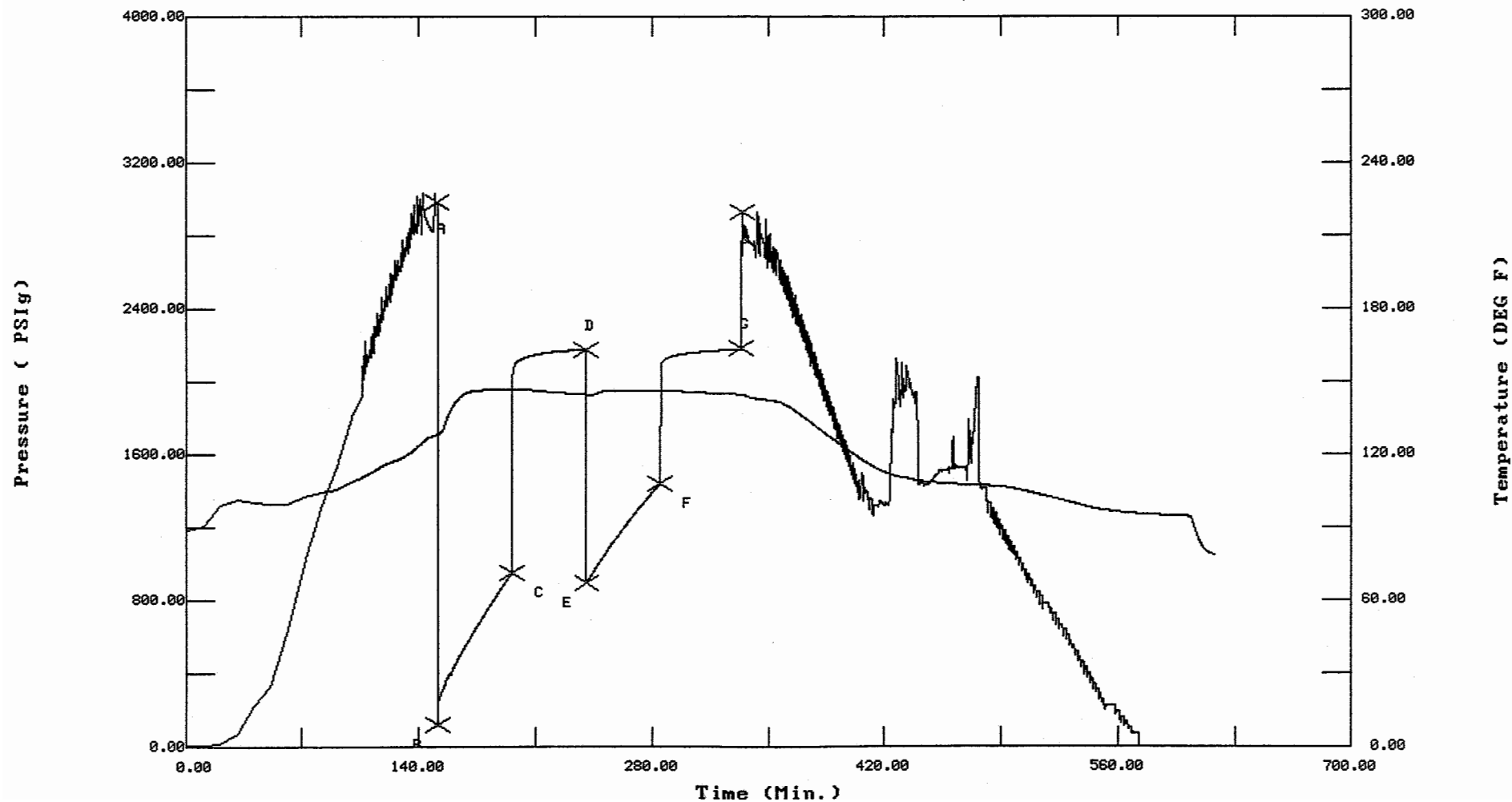
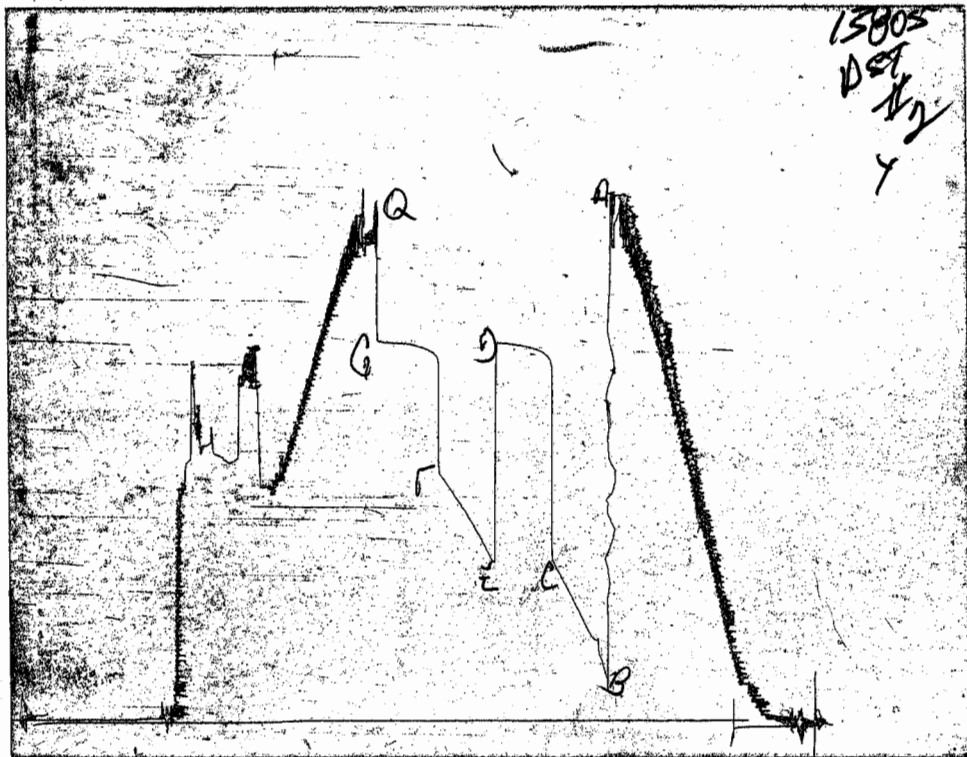


CHART PAGE



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12819

Well Name & No. Barnes #12 Test No. #2 Date 08/10/2000
Company American Warrior Inc. Zone Tested Arbuckle
Address P.O. Box 399 Garden City, KS 67846-0399 Elevation 2083 KB 2070 GL
Co. Rep / Geo. AL Downing Cont. Duke #7 Est. Ft. of Pay Por. %
Location: Sec. 12 Twp. 32S Rge. 19W Co. Comanche State KS
No. of Copies 5 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5991' - 6024' Initial Str Wt./Lbs. 83,000 Unseated Str Wt./Lbs. 25,000
Anchor Length 33' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 100,000
Top Packer Depth 5986' Tool Weight 2100
Bottom Packer Depth 5991' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 6024 Wt. Pipe Run N/A Drill Collar Run 414.21
Mud Wt. 9.1 LCM 8# Vis. 55 WL 10.0 Drill Pipe Size 7/8" XH Ft. Run 5572.79
Blow Description IT: Fair blow 50.0 in 4 mins.
IST: Blud down for 90 sec. Built back to 2 1/2 in.
FF: Strong blow built to 50.0 in 3 mins.
FSI: Blud down for 10 mins No blow back

Recovery — Total Feet 3365' GIP Ft. in DC 414 Ft. in DP 2951'
Rec. 120 Feet Of SNCW %gas %oil 80 %water 20 %mud
Rec. 3245' Feet Of Salt Water %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 147 °F Gravity °API D₄₀ °F Corrected Gravity °API
RW .07 @ 76° °F Chlorides 100,000 ppm Recovery Chlorides 7700 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>3051</u>	<u>2985</u>	PSI Recorder No. <u>2350</u>	T-On Location <u>1430</u>
(B) First Initial Flow Pressure	<u>162</u>	<u>113</u>	PSI (depth) <u>5997'</u>	T-Started <u>1509</u>
(C) First Final Flow Pressure	<u>943</u>	<u>949</u>	PSI Recorder No. <u>13805</u>	T-Open <u>1745</u>
(D) Initial Shut-In Pressure	<u>2186</u>	<u>2178</u>	PSI (depth) <u>6021</u>	T-Pulled <u>2045</u>
(E) Second Initial Flow Pressure	<u>900</u>	<u>897</u>	PSI Recorder No. <u> </u>	T-Out <u>0100</u>
(F) Second Final Flow Pressure	<u>1427</u>	<u>1440</u>	PSI (depth) <u> </u>	T-Off Location <u>0245</u>
(G) Final Shut-in Pressure	<u>2197</u>	<u>2182</u>	PSI Initial Opening <u>45</u>	Test <u>✓</u>
(Q) Final Hydrostatic Mud	<u>3030</u>	<u>2952</u>	PSI Initial Shut-in <u>45</u>	Jars <u>✓</u>
			Final Flow <u>45</u>	Safety Joint <u>✓</u>
			Final Shut-in <u>45</u>	Straddle <u> </u>

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Approved By AL
Our Representative Darren S. Ammer

Extra Packer
Elec. Rec. ✓
Mileage 61 m.
Other
TOTAL PRICE \$

Well Name Barnes

DST Number 1

Recorder Number 13274

A:	<u>2.721</u>	<u>3001</u>
B:	<u>1.897</u>	<u>2093</u>
C:	<u>1.899</u>	<u>2095</u>
D:	<u>1.956</u>	<u>2158</u>
E:	<u>1.896</u>	<u>2092</u>
F:	<u>1.909</u>	<u>2106</u>
G:	<u>1.956</u>	<u>2158</u>
Q:	<u>2.694</u>	<u>2971</u>

Well Name Barnes

DST Number 2

Recorder Number 13805

A: 2.849 3049

B: 229 246

C: .875 937

D: 2.048 2194

E: .859 920

F: 1.336 1433

G: 2.058 2205

Q: 2.815 3013