ORIGINAL

15-081-21041

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

WELL NAME: Eric Bradley #1-17
COMPANY: Amoco Production Company
LOCATION: 17-30S-33W
Haskell County Kansas
DATE: 07/31/96

NOV 8

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 7-27-96
WELL NAME: Eric Bradley # 1-17 KB 2973.00 ft TICKET NO: 8798 DST #1
LOCATION : 17-30S-33W Haskell Cty KS GR 2963.00 ft FORMATION: Lans. "A"
INTERVAL : 4172.00 To 4195.00 ft TD 4195.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11058	11058	2341		
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 120	Clock(hrs)	12	12	Alpin		
FS 10	Depth(ft)	4190.0	4190.0	4174.0	0.0	0.0

TIME DATA----------
PF Fr. 1357 to 1427 hr
IS Fr. 1427 to 1527 hr
SF Fr. 1527 to 1727 hr
FS Fr. 1727 to 1737 hr

	Field	1	2	3	4
A. Init Hydro	2199.0	2184.0	2068.0	0.0	0.0
B. First Flow	55.0	47.0	24.0	0.0	0.0
B1. Final Flow	66.0	58.0	67.0	0.0	0.0
C. In Shut-in	300.0	289.0	294.0	0.0	0.0
D. Init Flow	100.0	91.0	71.0	0.0	0.0
E. Final Flow	166.0	160.0	168.0	0.0	0.0
F. Fl Shut-in	233.0	229.0	251.0	0.0	0.0
G. Final Hydro	2177.0	2095.0	2022.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1210 hr
T ON BOTM 1354 hr
T OPEN 1357 hr
T PULLED 1740 hr
T OUT 2015 hr

RECOVERY
Tot Fluid 330.00 ft of 330.00 ft in DC and 0.00 ft in DP
2.00 ft of Free oil - 100% oil
60.00 ft of Slightly gassy mud cut oily water - 10% gas, 30% oil, 35% water, 25% mud
268.00 ft of Slightly mud cut water - 95% water, 5% mud

RW .08 @ 84 F
SALINITY 80000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	120000.00 lbs
Initial Str Wt	88000.00 lbs
Unseated Str Wt	94000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.50 in
D.C. Length	691.00 ft
D.P. Length	3475.00 ft

BLOW DESCRIPTION
Initial Flow -
Bottom of bucket in 6 minutes
Initial Shutin -
Return blow in 2 min (.125"), died in 33 minutes

Final Flow -
Bubble to open tool, blew in 1 min, Surface blow built to bottom of bucket in 95 min
Final Shutin -
Couldn't turn tool, tried two times but couldn't turn, pulled tool

SAMPLES:
SENT TO:

MUD DATA----------

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	42.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	15.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 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	Shane McBride
Co. Rep.	Chuck Schmaltz
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

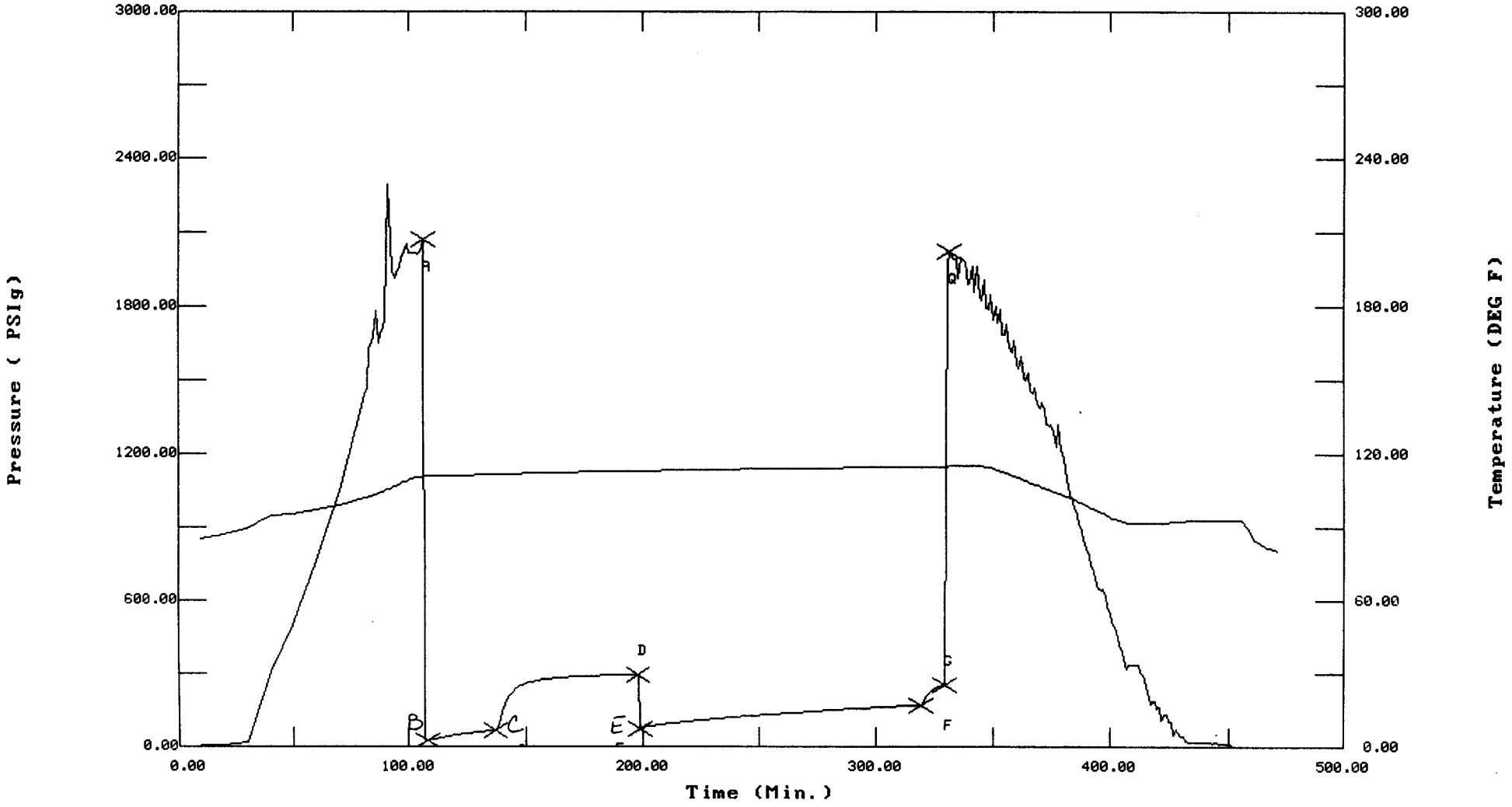
Test Successful: Y

TEST HISTORY

8798 DST #1 Eric Bradley 1-17 Amoco. Prod.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2068.24
B:	0.00	23.90
C:	29.00	66.53
D:	61.00	293.60
E:	0.00	70.84
F:	120.00	168.13
G:	10.00	250.73
Q:	0.00	2022.33



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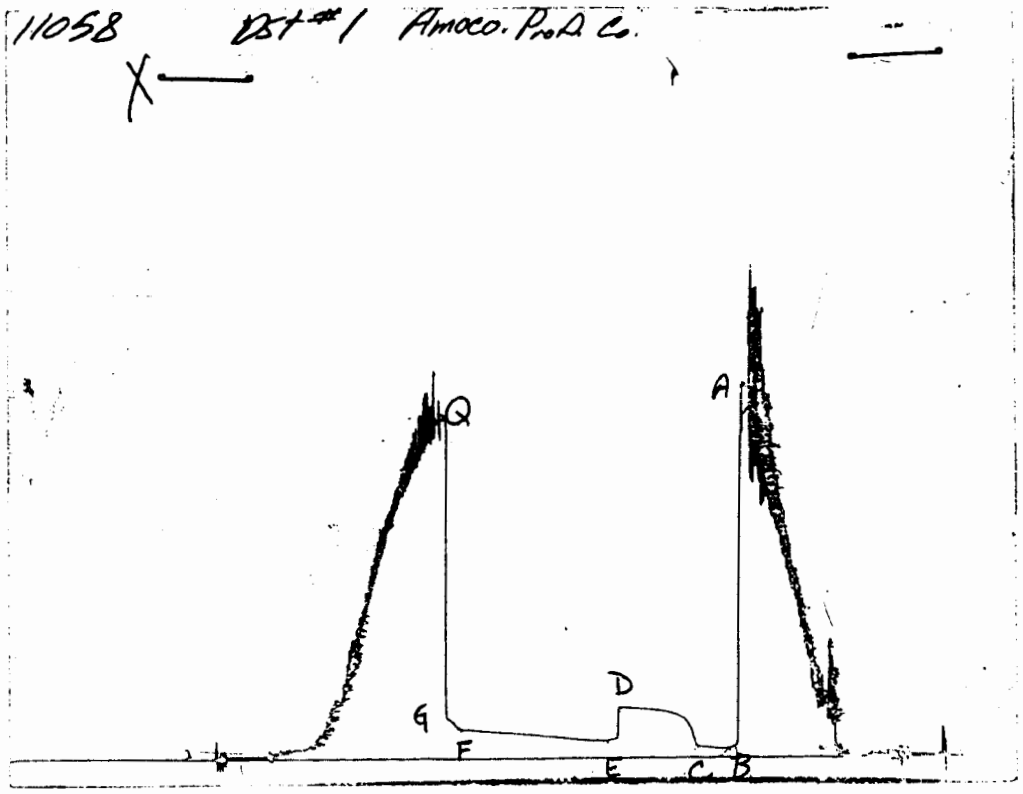

This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8798 DST #1 Eric Bradley 1-17 Amoco. Prod.

DATE: 07/27/96 TIME: 12:10:29

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	106.00	2068.2	0.0	110.55		
****** Start Flow 1	0.00	23.9	0.0	110.77		
	1.00	25.3	1.4	110.82		
	2.00	27.0	3.1	110.84		
	3.00	28.7	4.8	110.87		
	4.00	30.5	6.6	110.88		
	5.00	32.6	8.7	110.89		
	6.00	34.0	10.1	110.91		
	7.00	35.8	11.9	110.92		
	8.00	37.7	13.8	110.94		
	9.00	39.4	15.5	110.96		
	10.00	41.2	17.3	110.98		
	11.00	42.8	18.9	111.00		
	12.00	44.5	20.6	111.01		
	13.00	46.4	22.5	111.04		
	14.00	47.8	23.9	111.06		
	15.00	49.1	25.2	111.08		
	16.00	50.3	26.4	111.10		
	17.00	51.7	27.8	111.13		
	18.00	53.0	29.1	111.15		
	19.00	54.4	30.5	111.16		
	20.00	55.7	31.8	111.19		
	21.00	57.0	33.1	111.21		
	22.00	58.1	34.2	111.25		
	23.00	59.2	35.3	111.27		
	24.00	60.5	36.6	111.29		
	25.00	61.8	37.9	111.33		
	26.00	62.7	38.8	111.36		
	27.00	63.8	39.9	111.38		
	28.00	65.1	41.2	111.40		
****** End Flow 1	29.00	66.5	42.6	111.43		
****** Start Shutin 1	0.00	66.5	0.0	111.43	0.0000	0.004
	1.00	78.6	12.0	111.46	30.0000	0.006
	2.00	109.2	42.7	111.49	15.5000	0.012
	3.00	140.6	74.1	111.52	10.6667	0.020
	4.00	169.2	102.7	111.56	8.2500	0.029
	5.00	192.1	125.6	111.58	6.8000	0.037
	6.00	209.1	142.5	111.62	5.8333	0.044
	7.00	221.4	154.9	111.66	5.1429	0.049
	8.00	230.8	164.2	111.69	4.6250	0.053
	9.00	237.9	171.4	111.72	4.2222	0.057
	10.00	243.7	177.1	111.75	3.9000	0.059
	11.00	248.4	181.9	111.79	3.6364	0.062
	12.00	252.4	185.9	111.81	3.4167	0.064
	13.00	255.9	189.4	111.85	3.2308	0.066
	14.00	259.0	192.4	111.88	3.0714	0.067
	15.00	261.6	195.1	111.91	2.9333	0.068
	16.00	264.0	197.4	111.94	2.8125	0.070
	17.00	266.0	199.5	111.96	2.7059	0.071
	18.00	268.0	201.4	112.00	2.6111	0.072
	19.00	269.7	203.1	112.02	2.5263	0.073

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8798 DST #1 Eric Bradley 1-17 Amoco. Prod.

DATE: 07/27/96 TIME: 12:10:29

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	271.2	204.6	112.05	2.4500	0.074
	21.00	272.6	206.1	112.07	2.3810	0.074
	22.00	274.0	207.5	112.10	2.3182	0.075
	23.00	275.2	208.7	112.13	2.2609	0.076
	24.00	276.3	209.7	112.15	2.2083	0.076
	25.00	277.3	210.8	112.17	2.1600	0.077
	26.00	278.3	211.8	112.20	2.1154	0.077
	27.00	279.2	212.7	112.22	2.0741	0.078
	28.00	280.0	213.5	112.25	2.0357	0.078
	29.00	280.8	214.3	112.27	2.0000	0.079
	30.00	281.6	215.1	112.29	1.9667	0.079
	31.00	282.4	215.9	112.32	1.9355	0.080
	32.00	283.1	216.6	112.34	1.9062	0.080
	33.00	283.6	217.1	112.37	1.8788	0.080
	34.00	284.3	217.8	112.39	1.8529	0.081
	35.00	284.8	218.3	112.40	1.8286	0.081
	36.00	285.4	218.9	112.42	1.8056	0.081
	37.00	285.9	219.3	112.45	1.7838	0.082
	38.00	286.4	219.9	112.47	1.7632	0.082
	39.00	286.8	220.3	112.49	1.7436	0.082
	40.00	287.3	220.7	112.50	1.7250	0.083
	41.00	287.7	221.2	112.53	1.7073	0.083
	42.00	288.1	221.5	112.55	1.6905	0.083
	43.00	288.5	222.0	112.57	1.6744	0.083
	44.00	288.9	222.4	112.59	1.6591	0.083
	45.00	289.2	222.7	112.60	1.6444	0.084
	46.00	289.6	223.1	112.62	1.6304	0.084
	47.00	290.0	223.5	112.64	1.6170	0.084
	48.00	290.4	223.9	112.66	1.6042	0.084
	49.00	290.6	224.1	112.67	1.5918	0.084
	50.00	291.0	224.4	112.70	1.5800	0.085
	51.00	291.2	224.7	112.71	1.5686	0.085
	52.00	291.5	225.0	112.74	1.5577	0.085
	53.00	291.8	225.2	112.76	1.5472	0.085
	54.00	292.1	225.5	112.76	1.5370	0.085
	55.00	292.2	225.7	112.78	1.5273	0.085
	56.00	292.5	225.9	112.79	1.5179	0.086
	57.00	292.7	226.2	112.82	1.5088	0.086
	58.00	293.0	226.5	112.84	1.5000	0.086
	59.00	293.2	226.6	112.86	1.4915	0.086
	60.00	293.4	226.8	112.87	1.4833	0.086
****** End Shut-in 1	61.00	293.6	227.1	112.89	1.4754	0.086
****** Start Flow 2	0.00	70.8	0.0	112.90		
	1.00	75.5	4.7	112.91		
	2.00	77.5	6.7	112.91		
	3.00	79.1	8.3	112.92		
	4.00	80.9	10.1	112.94		
	5.00	82.3	11.5	112.95		
	6.00	84.2	13.3	112.96		
	7.00	86.2	15.4	112.98		
	8.00	87.3	16.5	112.99		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8798 DST #1 Eric Bradley 1-17 Amoco. Prod.

DATE: 07/27/96 TIME: 12:10:29

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
9.00	86.6	15.8	113.01		
10.00	88.1	17.2	113.03		
11.00	89.7	18.8	113.04		
12.00	90.9	20.1	113.06		
13.00	92.1	21.2	113.07		
14.00	93.2	22.4	113.09		
15.00	94.1	23.2	113.10		
16.00	95.1	24.3	113.12		
17.00	96.4	25.5	113.14		
18.00	97.6	26.7	113.16		
19.00	98.2	27.4	113.18		
20.00	99.4	28.6	113.19		
21.00	100.2	29.4	113.21		
22.00	101.4	30.6	113.23		
23.00	102.4	31.5	113.24		
24.00	103.3	32.4	113.27		
25.00	104.1	33.2	113.28		
26.00	104.9	34.0	113.31		
27.00	105.9	35.0	113.32		
28.00	106.7	35.9	113.34		
29.00	107.6	36.7	113.36		
30.00	108.3	37.5	113.38		
31.00	109.2	38.4	113.39		
32.00	110.3	39.5	113.41		
33.00	111.3	40.4	113.43		
34.00	112.1	41.3	113.44		
35.00	113.2	42.3	113.46		
36.00	114.2	43.4	113.48		
37.00	114.9	44.1	113.50		
38.00	115.8	45.0	113.51		
39.00	116.8	45.9	113.53		
40.00	117.7	46.9	113.55		
41.00	118.8	48.0	113.57		
42.00	119.5	48.6	113.58		
43.00	120.5	49.7	113.59		
44.00	121.5	50.6	113.61		
45.00	122.3	51.5	113.63		
46.00	123.0	52.2	113.64		
47.00	124.0	53.2	113.66		
48.00	124.5	53.7	113.67		
49.00	124.9	54.0	113.69		
50.00	125.6	54.7	113.71		
51.00	126.5	55.7	113.72		
52.00	127.0	56.1	113.73		
53.00	127.5	56.7	113.75		
54.00	128.3	57.4	113.76		
55.00	129.0	58.1	113.79		
56.00	129.7	58.9	113.79		
57.00	130.2	59.3	113.80		
58.00	130.9	60.1	113.83		
59.00	131.6	60.8	113.84		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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DATE: 07/27/96 TIME: 12:10:29

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
60.00	132.2	61.4	113.85		
61.00	133.0	62.2	113.87		
62.00	133.6	62.8	113.88		
63.00	134.2	63.4	113.89		
64.00	134.8	63.9	113.91		
65.00	135.4	64.5	113.92		
66.00	136.0	65.2	113.93		
67.00	136.7	65.8	113.95		
68.00	137.3	66.5	113.97		
69.00	137.8	66.9	113.95		
70.00	138.7	67.9	113.99		
71.00	139.3	68.5	114.01		
72.00	139.9	69.1	114.02		
73.00	140.9	70.1	114.03		
74.00	141.6	70.8	114.04		
75.00	142.3	71.5	114.05		
76.00	142.9	72.1	114.07		
77.00	143.8	72.9	114.08		
78.00	144.3	73.4	114.09		
79.00	145.1	74.2	114.11		
80.00	145.6	74.8	114.12		
81.00	146.3	75.5	114.13		
82.00	147.0	76.1	114.14		
83.00	147.6	76.8	114.16		
84.00	148.2	77.4	114.17		
85.00	149.0	78.1	114.19		
86.00	149.7	78.9	114.20		
87.00	150.3	79.5	114.21		
88.00	150.9	80.1	114.22		
89.00	151.7	80.9	114.24		
90.00	152.2	81.3	114.24		
91.00	152.6	81.7	114.26		
92.00	153.1	82.3	114.26		
93.00	153.8	83.0	114.29		
94.00	154.3	83.5	114.29		
95.00	154.8	83.9	114.30		
96.00	155.4	84.6	114.31		
97.00	155.9	85.1	114.33		
98.00	156.5	85.7	114.34		
99.00	156.9	86.1	114.35		
100.00	157.6	86.8	114.36		
101.00	158.1	87.2	114.37		
102.00	158.5	87.7	114.38		
103.00	159.2	88.4	114.40		
104.00	159.7	88.8	114.40		
105.00	160.3	89.5	114.42		
106.00	160.9	90.1	114.43		
107.00	161.3	90.5	114.43		
108.00	161.9	91.1	114.45		
109.00	162.5	91.6	114.45		
110.00	163.0	92.2	114.47		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	111.00	163.6	92.7	114.48		
	112.00	164.2	93.3	114.49		
	113.00	164.5	93.7	114.50		
	114.00	165.1	94.2	114.51		
	115.00	165.6	94.7	114.52		
	116.00	165.9	95.1	114.54		
	117.00	166.4	95.6	114.55		
	118.00	167.0	96.2	114.55		
	119.00	167.4	96.6	114.56		
****** End Flow 2	120.00	168.1	97.3	114.57		
****** Start Shutin 2	0.00	168.1	0.0	114.57	0.0000	0.028
	1.00	181.5	13.4	114.58	150.0000	0.033
	2.00	199.4	31.2	114.60	75.5000	0.040
	3.00	212.8	44.7	114.61	50.6667	0.045
	4.00	222.9	54.8	114.62	38.2500	0.050
	5.00	230.6	62.5	114.63	30.8000	0.053
	6.00	236.3	68.2	114.65	25.8333	0.056
	7.00	241.1	72.9	114.65	22.2857	0.058
	8.00	244.9	76.7	114.66	19.6250	0.060
	9.00	248.1	79.9	114.68	17.5556	0.062
****** End Shut-in 2	10.00	250.7	82.6	114.69	15.9000	0.063
****** Final Hydro.	331.00	2022.3	0.0	114.82		

*** TOOL DIAGRAM *** CONV.

WELL NAME: Eric Bradley # 1-17

LOCATION : 17-30S-33W

TICKET No. 8798 D.S.T. No. 1 DATE 7-27-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 26

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 49

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 49

D.C. ABOVE TOOLS.Stands11 Single 1 Total 691

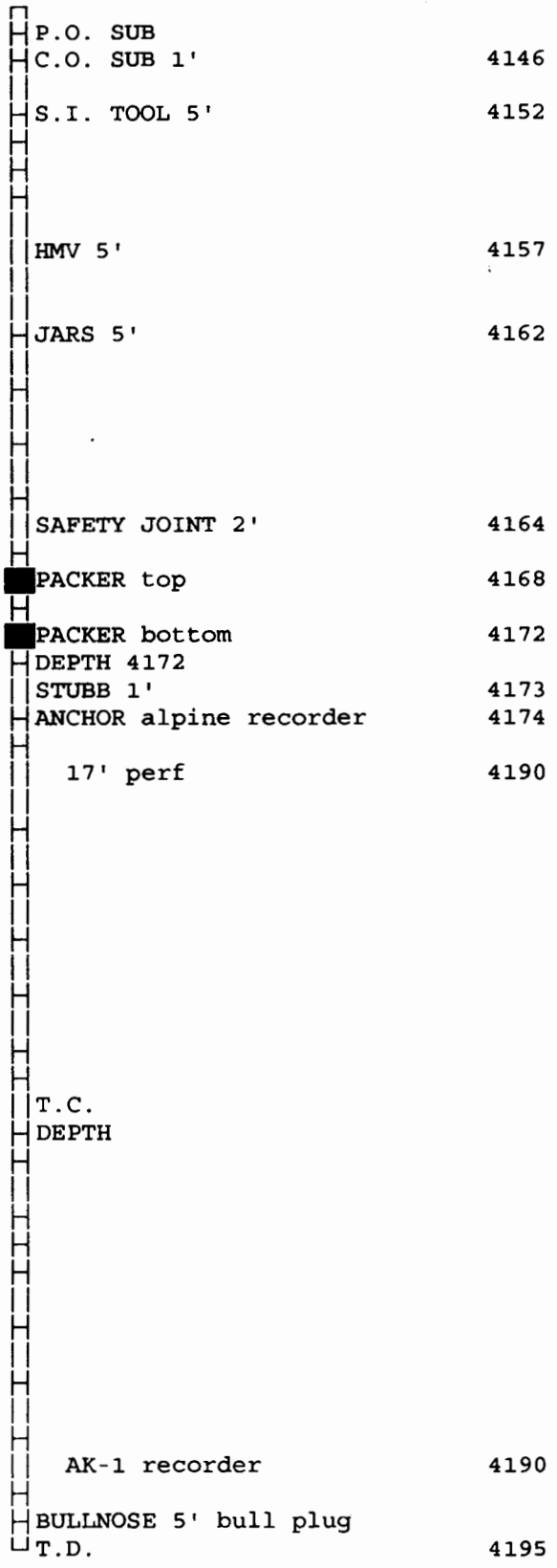
D.P. ABOVE TOOLS.Stands56 Single 1 Total 3475

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4215

TOTAL DEPTH 4195

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 8798

Well Name & No. Cox Bradley #1-17 Test No. 1 Date 7-27-96

Company Amoco Prod. Co. Zone Tested Lans "A"

Address P.O. Box 800 Room 924 Denver Colo Elevation 2973' KB 2963' GL

Co. Rep / Geo. Chuck Schmeltz Cont. Cheyenne #3 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 17 Twp. 30 Rge. 33 Co. Haskell State KS

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

Interval Tested 4172 – 4195' Initial Str Wt./Lbs. 88,000 Unseated Str Wt./Lbs. 94,000

Anchor Length 23' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 129,000

Top Packer Depth 4167' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Bottom Packer Depth 4172' Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4195' Drill Collar — 2.25 Ft. Run XN 691'

Mud Wt. 9.2 LCM #2 Vis. 42 WL 8.8 Drill Pipe Size 4½ FH Ft. Run 3475'

Blow Description B.O.B in 6 min.

I: return in 2 min 1/8" in blow, died in 33 min

BUBBK to open tool, blew in 1 min. Surface blow built to B.O.B in 95 min.

: Conduit Turn tool, Tried twice, Pull tool

Recovery — Total Feet 930' Ft. in DC 330' Ft. in WP — Ft. in DP —

Rec. 2'	Feet Of free oil	%gas	100 %oil	%water	%mud
Rec. 60'	Feet Of Slightly Gassy Oil cut muddy water	10 %gas	30 %oil	35 %water	25 %mud
Rec. 268'	Feet Of water slightly muddy	%gas	%oil	95 %water	5 %mud
Rec. ___	Feet Of ___	%gas	%oil	%water	%mud
Rec. 837' GIP	Feet Of Gas in Pipe	%gas	%oil	%water	%mud

BHT 115° °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .08 @ 84 °F Chlorides 80,000 ppm Recovery Chlorides 2,500 ppm System

(A) Initial Hydrostatic Mud	2199	2068	PSI	Recorder No. Elec.	T-Started 12:10 P.M.
(B) First Initial Flow Pressure	55	23	PSI	@ (depth) 4174'	T-Open 13:52 P.M.
(C) First Final Flow Pressure	66	78	PSI	Recorder No. 11058	T-Pulled 17:40 P.M.
(D) Initial Shut-in Pressure	300	293	PSI	@ (depth) 4190'	T-Out 20:15 P.M.
(E) Second Initial Flow Pressure	100	70	PSI	Recorder No. ___	
(F) Second Final Flow Pressure	164	168	PSI	@ (depth) ___	
(G) Final Shut-in Pressure	233	250	PSI	Initial Opening 30	Test ✗ 600
(H) Final Hydrostatic Mud	2177	2022	PSI	Initial Shut-in 60	Jars ✗ 200
	AK-1	Elec		Final Flow 120	Safety Joint ✗ 50
				Final Shut-in 10	Straddle ___
				Conduit Turn tool for F.S.I. Pull Tool after Second flow.	Circ. Sub ✗ N/C
					Sampler ___
					Extra Packer ___
					Elect. Rec. ✗ 150
					Other ___
					TOTAL PRICE $ 1000

Approved By ___

Our Representative Shane McBride

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 7-28-96
WELL NAME: Eric Bradley 1-17 KB 2973.00 ft TICKET NO: 8800 DST #2
LOCATION : 17-30S-33W Haskell Cty KS GR 2963.00 ft FORMATION:
INTERVAL : 4504.00 To 4518.00 ft TD 4545.00 ft TEST TYPE: CONV.STRADDLE

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.		2341	11058		
SI	60	Range(Psi)	0.0	4995.0	4475.0	0.0	0.0
SF	60	Clock(hrs)		Alpin	12		
FS	120	Depth(ft)	0.0	4509.0	4540.0	0.0	0.0

TIME DATA----------
PF Fr. 2030 to 2100 hr
IS Fr. 2100 to 2200 hr
SF Fr. 2200 to 2300 hr
FS Fr. 2300 to 0100 hr

	Field	1	2	3	4
A. Init Hydro	0.0	2198.0	2217.0	0.0	0.0
B. First Flow	0.0	26.0	0.0	0.0	0.0
B1. Final Flow	0.0	59.0	0.0	0.0	0.0
C. In Shut-in	0.0	1198.0	0.0	0.0	0.0
D. Init Flow	0.0	60.0	0.0	0.0	0.0
E. Final Flow	0.0	108.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	1208.0	0.0	0.0	0.0
G. Final Hydro	0.0	2136.0	2144.0	0.0	0.0
Inside/Outside		I	T		

T STARTED 1847 hr
T ON BOTM 2026 hr
T OPEN 2030 hr
T PULLED 0140 hr
T OUT 0420 hr

RECOVERY
Tot Fluid 180.00 ft of 180.00 ft in DC and 0.00 ft in DP
60.00 ft of Slightly oily water cut mud - 5% oil, 15% water, 80% mud
120.00 ft of Slightly mud cut water - 95% water, 5% mud

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	28000.00 lbs
Wt Pulled Loose	230000.00 lbs
Initial Str Wt	93000.00 lbs
Unseated Str Wt	93000.00 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	691.00 ft
D.P. Length	3819.00 ft

RW .099 @ 68 F
SALINITY 78000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Flow -
Weak surface blow built to 3"

Initial Shutin -
No return

Final Flow -
Bubble to open tool, weak .125"
surface blow in 21 min, blew rest of
open

Final Shutin -
No return

SAMPLES:
SENT TO:

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	45.00 S/L
W.L.	9.00 in3
F.C.	0.00 in
Mud Drop Y	10.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	sticky
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	N
Tool Chased	N
Tester	Shane McBride
Co. Rep.	Chuck Schmaltz
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

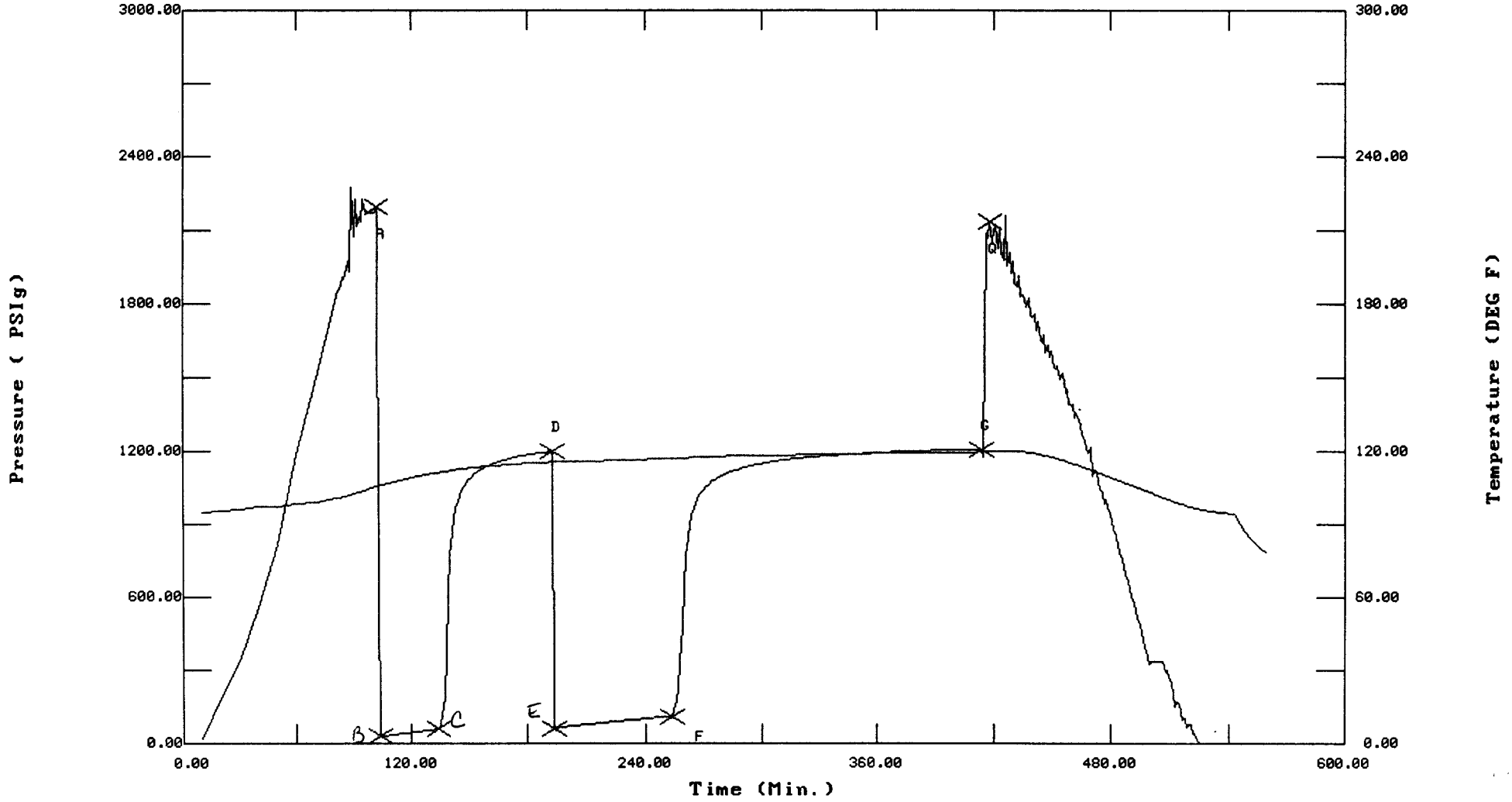
Test Successful: Y

TEST HISTORY

8800 DST #2 Eric Bradley 1-17 Amoco Prod.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2197.95
B:	0.00	25.88
C:	30.00	59.40
D:	59.00	1198.19
E:	0.00	60.41
F:	60.00	108.27
G:	160.00	1208.09
Q:	0.00	2135.55



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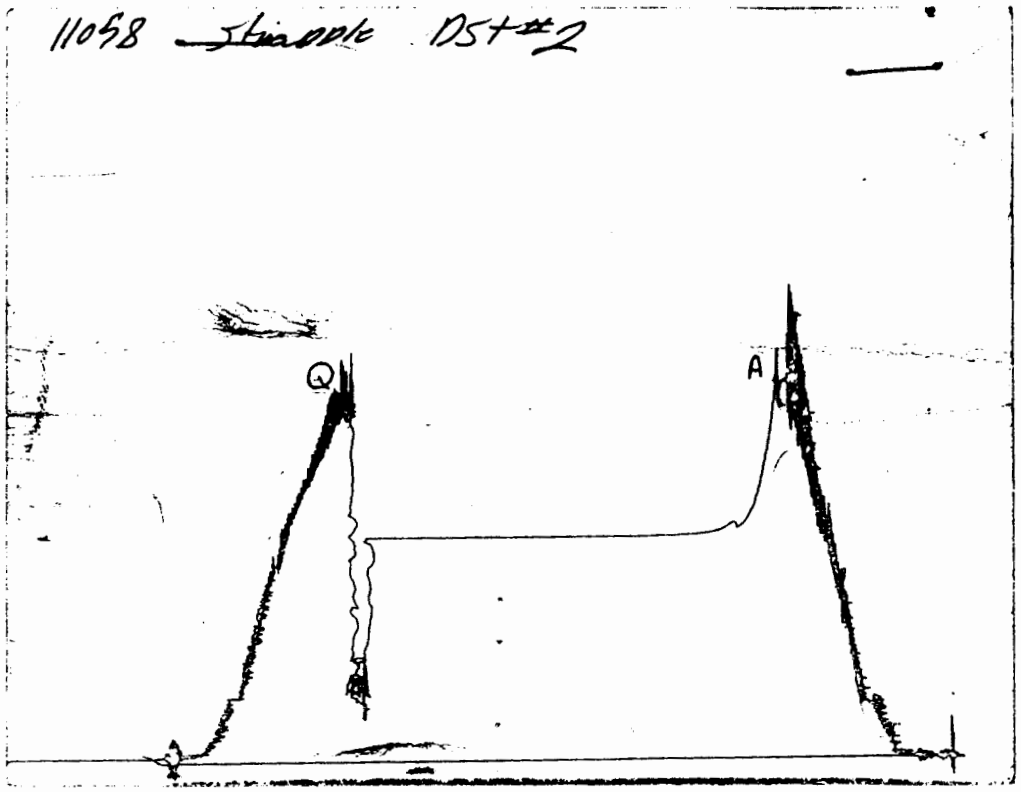


This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	102.00	2198.0	0.0	105.49		
****** Start Flow 1	0.00	25.9	0.0	105.95		
	1.00	27.6	1.7	106.16		
	2.00	29.1	3.3	106.34		
	3.00	29.2	3.3	106.53		
	4.00	30.5	4.6	106.71		
	5.00	31.5	5.6	106.91		
	6.00	32.7	6.9	107.11		
	7.00	33.7	7.8	107.31		
	8.00	35.0	9.1	107.52		
	9.00	35.9	10.0	107.72		
	10.00	37.0	11.1	107.93		
	11.00	38.2	12.3	108.13		
	12.00	39.3	13.4	108.34		
	13.00	40.3	14.4	108.53		
	14.00	41.3	15.5	108.73		
	15.00	42.2	16.3	108.92		
	16.00	43.1	17.2	109.10		
	17.00	44.3	18.4	109.28		
	18.00	44.9	19.0	109.45		
	19.00	45.9	20.1	109.62		
	20.00	46.8	21.0	109.79		
	21.00	48.0	22.1	109.95		
	22.00	48.8	22.9	110.11		
	23.00	49.8	23.9	110.26		
	24.00	50.8	24.9	110.41		
	25.00	51.8	25.9	110.55		
	26.00	52.7	26.9	110.69		
	27.00	53.8	27.9	110.83		
	28.00	54.7	28.8	110.96		
	29.00	55.7	29.8	111.08		
****** End Flow 1	30.00	59.4	33.5	111.20		
****** Start Shutin 1	0.00	59.4	0.0	111.20	0.0000	0.004
	1.00	81.3	21.9	111.32	31.0000	0.007
	2.00	118.3	58.9	111.44	16.0000	0.014
	3.00	192.8	133.4	111.55	11.0000	0.037
	4.00	364.6	305.2	111.67	8.5000	0.133
	5.00	615.7	556.3	111.80	7.0000	0.379
	6.00	774.8	715.4	111.92	6.0000	0.600
	7.00	866.0	806.6	112.05	5.2857	0.750
	8.00	925.4	866.0	112.18	4.7500	0.856
	9.00	966.5	907.1	112.30	4.3333	0.934
	10.00	996.6	937.2	112.43	4.0000	0.993
	11.00	1019.6	960.2	112.54	3.7273	1.040
	12.00	1037.9	978.5	112.67	3.5000	1.077
	13.00	1053.0	993.6	112.76	3.3077	1.109
	14.00	1065.8	1006.3	112.86	3.1429	1.136
	15.00	1076.7	1017.3	112.96	3.0000	1.159
	16.00	1084.3	1024.9	113.06	2.8750	1.176
	17.00	1092.7	1033.3	113.14	2.7647	1.194
	18.00	1100.3	1040.9	113.23	2.6667	1.211

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.00	1107.0	1047.6	113.32	2.5789	1.226
	20.00	1113.2	1053.8	113.39	2.5000	1.239
	21.00	1118.8	1059.4	113.46	2.4286	1.252
	22.00	1124.0	1064.6	113.55	2.3636	1.263
	23.00	1128.6	1069.2	113.62	2.3043	1.274
	24.00	1133.1	1073.7	113.69	2.2500	1.284
	25.00	1137.1	1077.7	113.75	2.2000	1.293
	26.00	1140.8	1081.4	113.83	2.1538	1.302
	27.00	1144.4	1085.0	113.89	2.1111	1.310
	28.00	1147.7	1088.3	113.96	2.0714	1.317
	29.00	1150.8	1091.4	114.02	2.0345	1.324
	30.00	1153.7	1094.3	114.09	2.0000	1.331
	31.00	1156.4	1097.0	114.12	1.9677	1.337
	32.00	1159.1	1099.7	114.21	1.9375	1.343
	33.00	1161.5	1102.1	114.26	1.9091	1.349
	34.00	1163.8	1104.4	114.32	1.8824	1.355
	35.00	1166.2	1106.7	114.37	1.8571	1.360
	36.00	1168.3	1108.9	114.43	1.8333	1.365
	37.00	1170.3	1110.9	114.48	1.8108	1.369
	38.00	1172.1	1112.7	114.54	1.7895	1.374
	39.00	1173.9	1114.5	114.58	1.7692	1.378
	40.00	1175.6	1116.2	114.63	1.7500	1.382
	41.00	1177.3	1117.9	114.67	1.7317	1.386
	42.00	1178.9	1119.5	114.73	1.7143	1.390
	43.00	1180.4	1121.0	114.78	1.6977	1.393
	44.00	1181.8	1122.4	114.83	1.6818	1.397
	45.00	1183.3	1123.9	114.87	1.6667	1.400
	46.00	1184.7	1125.3	114.92	1.6522	1.403
	47.00	1185.9	1126.5	114.97	1.6383	1.406
	48.00	1187.1	1127.7	115.02	1.6250	1.409
	49.00	1188.3	1128.9	115.06	1.6122	1.412
	50.00	1189.5	1130.1	115.10	1.6000	1.415
	51.00	1190.6	1131.2	115.13	1.5882	1.417
	52.00	1191.6	1132.2	115.19	1.5769	1.420
	53.00	1192.6	1133.2	115.23	1.5660	1.422
	54.00	1193.6	1134.2	115.26	1.5556	1.425
	55.00	1194.6	1135.2	115.32	1.5455	1.427
	56.00	1195.5	1136.1	115.36	1.5357	1.429
	57.00	1196.5	1137.0	115.39	1.5263	1.431
	58.00	1197.3	1137.9	115.43	1.5172	1.434
****** End Shut-in 1	59.00	1198.2	1138.8	115.46	1.5085	1.436
****** Start Flow 2	0.00	60.4	0.0	115.49		
	1.00	60.6	0.2	115.50		
	2.00	61.9	1.5	115.49		
	3.00	63.0	2.6	115.48		
	4.00	64.1	3.6	115.47		
	5.00	65.1	4.7	115.47		
	6.00	66.1	5.7	115.47		
	7.00	67.1	6.6	115.48		
	8.00	67.9	7.5	115.49		
	9.00	68.7	8.3	115.52		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	10.00	69.7	9.3	115.53		
	11.00	70.6	10.2	115.56		
	12.00	71.4	11.0	115.59		
	13.00	72.0	11.6	115.62		
	14.00	72.8	12.4	115.64		
	15.00	73.5	13.1	115.67		
	16.00	74.5	14.1	115.70		
	17.00	75.4	15.0	115.74		
	18.00	76.4	16.0	115.77		
	19.00	77.2	16.8	115.80		
	20.00	78.1	17.6	115.83		
	21.00	78.9	18.4	115.86		
	22.00	79.8	19.4	115.89		
	23.00	80.6	20.2	115.93		
	24.00	81.6	21.1	115.96		
	25.00	82.3	21.9	115.99		
	26.00	83.2	22.8	116.02		
	27.00	84.1	23.7	116.04		
	28.00	84.9	24.5	116.07		
	29.00	85.8	25.4	116.11		
	30.00	86.6	26.2	116.14		
	31.00	87.5	27.1	116.16		
	32.00	88.1	27.7	116.20		
	33.00	88.7	28.3	116.23		
	34.00	89.6	29.2	116.25		
	35.00	90.2	29.8	116.28		
	36.00	91.3	30.9	116.31		
	37.00	92.0	31.6	116.34		
	38.00	92.9	32.4	116.37		
	39.00	93.6	33.2	116.39		
	40.00	94.4	34.0	116.42		
	41.00	95.2	34.8	116.45		
	42.00	96.0	35.5	116.47		
	43.00	96.7	36.3	116.50		
	44.00	97.5	37.1	116.53		
	45.00	98.3	37.9	116.56		
	46.00	99.1	38.7	116.59		
	47.00	99.9	39.5	116.60		
	48.00	100.6	40.2	116.63		
	49.00	101.4	41.0	116.65		
	50.00	102.2	41.8	116.68		
	51.00	102.8	42.4	116.71		
	52.00	103.3	42.9	116.73		
	53.00	103.9	43.5	116.76		
	54.00	104.5	44.1	116.78		
	55.00	105.0	44.6	116.81		
	56.00	105.7	45.3	116.83		
	57.00	106.4	46.0	116.85		
	58.00	106.9	46.5	116.88		
	59.00	107.6	47.2	116.90		
****** End Flow 2	60.00	108.3	47.9	116.93		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Start Shutin 2	0.00	108.3	0.0	116.93	0.0000	0.012
	1.00	134.2	26.0	116.95	91.0000	0.018
	2.00	172.4	64.2	116.97	46.0000	0.030
	3.00	231.5	123.2	117.00	31.0000	0.054
	4.00	328.0	219.7	117.03	23.5000	0.108
	5.00	476.0	367.7	117.06	19.0000	0.227
	6.00	642.7	534.4	117.10	16.0000	0.413
	7.00	766.8	658.5	117.14	13.8571	0.588
	8.00	846.1	737.9	117.19	12.2500	0.716
	9.00	899.1	790.8	117.24	11.0000	0.808
	10.00	936.6	828.3	117.29	10.0000	0.877
	11.00	964.4	856.1	117.32	9.1818	0.930
	12.00	985.8	877.5	117.39	8.5000	0.972
	13.00	1003.0	894.7	117.43	7.9231	1.006
	14.00	1017.1	908.8	117.46	7.4286	1.034
	15.00	1029.1	920.9	117.50	7.0000	1.059
	16.00	1039.4	931.2	117.59	6.6250	1.080
	17.00	1048.6	940.3	117.56	6.2941	1.099
	18.00	1056.6	948.3	117.60	6.0000	1.116
	19.00	1063.7	955.4	117.62	5.7368	1.131
	20.00	1070.2	961.9	117.65	5.5000	1.145
	21.00	1076.1	967.8	117.68	5.2857	1.158
	22.00	1081.5	973.2	117.70	5.0909	1.170
	23.00	1086.4	978.2	117.73	4.9130	1.180
	24.00	1091.0	982.8	117.75	4.7500	1.190
	25.00	1095.3	987.0	117.78	4.6000	1.200
	26.00	1099.3	991.0	117.79	4.4615	1.208
	27.00	1103.1	994.8	117.81	4.3333	1.217
	28.00	1106.6	998.3	117.83	4.2143	1.224
	29.00	1109.9	1001.6	117.85	4.1034	1.232
	30.00	1113.0	1004.8	117.88	4.0000	1.239
	31.00	1116.0	1007.7	117.90	3.9032	1.245
	32.00	1118.8	1010.6	117.92	3.8125	1.252
	33.00	1121.5	1013.2	117.84	3.7273	1.258
	34.00	1124.0	1015.8	117.95	3.6471	1.263
	35.00	1126.5	1018.2	117.97	3.5714	1.269
	36.00	1128.8	1020.6	117.99	3.5000	1.274
	37.00	1131.1	1022.9	118.01	3.4324	1.279
	38.00	1133.2	1024.9	118.03	3.3684	1.284
	39.00	1135.3	1027.0	118.05	3.3077	1.289
	40.00	1137.2	1029.0	118.07	3.2500	1.293
	41.00	1139.1	1030.8	118.08	3.1951	1.298
	42.00	1140.9	1032.6	118.12	3.1429	1.302
	43.00	1142.7	1034.4	118.11	3.0930	1.306
	44.00	1144.3	1036.0	118.14	3.0455	1.309
	45.00	1145.9	1037.6	118.16	3.0000	1.313
	46.00	1147.4	1039.2	118.17	2.9565	1.317
	47.00	1149.0	1040.7	118.19	2.9149	1.320
	48.00	1150.4	1042.1	118.21	2.8750	1.323
	49.00	1151.8	1043.5	118.23	2.8367	1.327
	50.00	1153.2	1044.9	118.25	2.8000	1.330

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
51.00	1154.5	1046.2	118.27	2.7647	1.333
52.00	1155.8	1047.5	118.28	2.7308	1.336
53.00	1157.0	1048.7	118.29	2.6981	1.339
54.00	1158.2	1050.0	118.32	2.6667	1.342
55.00	1159.4	1051.1	118.34	2.6364	1.344
56.00	1160.5	1052.3	118.36	2.6071	1.347
57.00	1161.6	1053.4	118.40	2.5789	1.349
58.00	1162.7	1054.5	118.41	2.5517	1.352
59.00	1163.7	1055.5	118.40	2.5254	1.354
60.00	1164.7	1056.4	118.41	2.5000	1.357
61.00	1165.8	1057.5	118.42	2.4754	1.359
62.00	1166.7	1058.4	118.42	2.4516	1.361
63.00	1167.6	1059.3	118.42	2.4286	1.363
64.00	1168.6	1060.3	118.42	2.4062	1.366
65.00	1169.4	1061.1	118.43	2.3846	1.367
66.00	1170.3	1062.0	118.46	2.3636	1.369
67.00	1171.1	1062.8	118.48	2.3433	1.371
68.00	1171.9	1063.7	118.51	2.3235	1.373
69.00	1172.7	1064.4	118.52	2.3043	1.375
70.00	1173.5	1065.2	118.56	2.2857	1.377
71.00	1174.3	1066.0	118.56	2.2676	1.379
72.00	1174.9	1066.7	118.58	2.2500	1.380
73.00	1175.7	1067.5	118.58	2.2329	1.382
74.00	1176.5	1068.2	118.60	2.2162	1.384
75.00	1177.2	1068.9	118.62	2.2000	1.386
76.00	1177.9	1069.6	118.64	2.1842	1.387
77.00	1178.5	1070.2	118.64	2.1688	1.389
78.00	1179.2	1071.0	118.66	2.1538	1.391
79.00	1179.9	1071.6	118.68	2.1392	1.392
80.00	1180.4	1072.2	118.69	2.1250	1.393
81.00	1181.1	1072.8	118.71	2.1111	1.395
82.00	1181.7	1073.4	118.72	2.0976	1.396
83.00	1182.3	1074.0	118.73	2.0843	1.398
84.00	1182.9	1074.6	118.76	2.0714	1.399
85.00	1183.4	1075.1	118.76	2.0588	1.400
86.00	1184.0	1075.7	118.76	2.0465	1.402
87.00	1184.6	1076.3	118.79	2.0345	1.403
88.00	1185.1	1076.9	118.80	2.0227	1.405
89.00	1185.7	1077.4	118.82	2.0112	1.406
90.00	1186.2	1077.9	118.84	2.0000	1.407
91.00	1186.7	1078.4	118.85	1.9890	1.408
92.00	1187.1	1078.8	118.86	1.9783	1.409
93.00	1187.6	1079.4	118.87	1.9677	1.410
94.00	1188.1	1079.8	118.89	1.9574	1.412
95.00	1188.5	1080.3	118.90	1.9474	1.413
96.00	1189.0	1080.7	118.93	1.9375	1.414
97.00	1189.5	1081.2	118.92	1.9278	1.415
98.00	1189.9	1081.6	118.93	1.9184	1.416
99.00	1190.3	1082.1	118.95	1.9091	1.417
100.00	1190.8	1082.5	118.96	1.9000	1.418
101.00	1191.3	1083.0	118.97	1.8911	1.419

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
102.00	1191.6	1083.4	119.00	1.8824	1.420
103.00	1192.1	1083.8	119.01	1.8738	1.421
104.00	1192.5	1084.2	119.02	1.8654	1.422
105.00	1192.8	1084.6	119.03	1.8571	1.423
106.00	1193.2	1085.0	119.04	1.8491	1.424
107.00	1193.7	1085.4	119.06	1.8411	1.425
108.00	1194.0	1085.8	119.05	1.8333	1.426
109.00	1194.4	1086.1	119.07	1.8257	1.427
110.00	1194.7	1086.4	119.09	1.8182	1.427
111.00	1195.1	1086.9	119.10	1.8108	1.428
112.00	1195.4	1087.2	119.11	1.8036	1.429
113.00	1195.8	1087.6	119.12	1.7965	1.430
114.00	1196.2	1087.9	119.14	1.7895	1.431
115.00	1196.6	1088.3	119.15	1.7826	1.432
116.00	1196.9	1088.6	119.16	1.7759	1.433
117.00	1197.2	1089.0	119.17	1.7692	1.433
118.00	1197.5	1089.2	119.19	1.7627	1.434
119.00	1197.8	1089.6	119.20	1.7563	1.435
120.00	1198.2	1089.9	119.22	1.7500	1.436
121.00	1198.5	1090.2	119.22	1.7438	1.436
122.00	1198.8	1090.5	119.23	1.7377	1.437
123.00	1196.2	1088.0	119.25	1.7317	1.431
124.00	1198.7	1090.4	119.25	1.7258	1.437
125.00	1199.3	1091.0	119.27	1.7200	1.438
126.00	1199.7	1091.4	119.28	1.7143	1.439
127.00	1200.1	1091.8	119.30	1.7087	1.440
128.00	1200.4	1092.2	119.30	1.7031	1.441
129.00	1200.8	1092.5	119.33	1.6977	1.442
130.00	1201.0	1092.7	119.32	1.6923	1.442
131.00	1201.4	1093.1	119.34	1.6870	1.443
132.00	1201.7	1093.4	119.35	1.6818	1.444
133.00	1201.8	1093.5	119.35	1.6767	1.444
134.00	1202.2	1093.9	119.36	1.6716	1.445
135.00	1202.4	1094.1	119.39	1.6667	1.446
136.00	1202.7	1094.4	119.39	1.6618	1.446
137.00	1202.9	1094.7	119.40	1.6569	1.447
138.00	1203.2	1094.9	119.41	1.6522	1.448
139.00	1203.4	1095.1	119.42	1.6475	1.448
140.00	1203.7	1095.5	119.43	1.6429	1.449
141.00	1204.0	1095.7	119.44	1.6383	1.450
142.00	1204.2	1095.9	119.46	1.6338	1.450
143.00	1204.5	1096.2	119.47	1.6294	1.451
144.00	1204.6	1096.4	119.48	1.6250	1.451
145.00	1204.9	1096.6	119.50	1.6207	1.452
146.00	1205.2	1096.9	119.53	1.6164	1.452
147.00	1205.4	1097.2	119.57	1.6122	1.453
148.00	1205.6	1097.3	119.52	1.6081	1.453
149.00	1205.8	1097.5	119.48	1.6040	1.454
150.00	1206.0	1097.8	119.53	1.6000	1.455
151.00	1206.2	1098.0	119.54	1.5960	1.455
152.00	1206.5	1098.2	119.55	1.5921	1.456

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8800 DST #2 Eric Bradley 1-17 Amoco Prod.

DATE: 07/28/96 TIME: 18:47:33

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	153.00	1206.6	1098.3	119.57	1.5882	1.456
	154.00	1206.9	1098.6	119.58	1.5844	1.457
	155.00	1207.0	1098.8	119.59	1.5806	1.457
	156.00	1207.3	1099.0	119.60	1.5769	1.458
	157.00	1207.5	1099.2	119.61	1.5732	1.458
	158.00	1207.6	1099.4	119.63	1.5696	1.458
	159.00	1207.8	1099.6	119.64	1.5660	1.459
***** End Shut-in 2	160.00	1208.1	1099.8	119.64	1.5625	1.459
***** Final Hydro.	418.00	2135.5	0.0	119.78		

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 7-29-96
WELL NAME: Eric Bradley #1-17 KB 2973.00 ft TICKET NO: 9526 DST #3
LOCATION : 17-30S-33W Haskell Cty KS GR 2963.00 ft FORMATION: KC
INTERVAL : 4575.00 To 4610.00 ft TD 4610.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	11058	11058	2341		
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12	12	Alpin		
FS 60	Depth(ft)	4605.0	4605.0	4580.0	0.0	0.0

TIME DATA----------
PF Fr. 1705 to 1735 hr
IS Fr. 1735 to 1835 hr
SF Fr. 1835 to 1905 hr
FS Fr. 1905 to 2005 hr

	Field	1	2	3	4
A. Init Hydro	2233.0	2216.0	2218.0	0.0	0.0
B. First Flow	266.0	249.0	233.0	0.0	0.0
B1. Final Flow	266.0	249.0	248.0	0.0	0.0
C. In Shut-in	1186.0	1180.0	1193.0	0.0	0.0
D. Init Flow	255.0	234.0	222.0	0.0	0.0
E. Final Flow	233.0	234.0	230.0	0.0	0.0
F. Fl Shut-in	1175.0	1169.0	1190.0	0.0	0.0
G. Final Hydro	2210.0	2159.0	2162.0	0.0	0.0
Inside/Outside	o	O	I		

T STARTED 1528 hr
T ON BOTM 1702 hr
T OPEN 1705 hr
T PULLED 2005 hr
T OUT 2320 hr

RECOVERY
Tot Fluid 200.00 ft of 200.00 ft in DC and 0.00 ft in DP
80.00 ft of Oil cut gassy mud - 25% gas, 35% oil, 40% mud
120.00 ft of Gassy oil cut mud - 35% gas, 25% oil, 40% mud

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	128000.00 lbs
Initial Str Wt	94000.00 lbs
Unseated Str Wt	94000.00 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	691.00 ft
D.P. Length	3882.00 ft

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

BLOW DESCRIPTION
Initial Flow -
Bottom of bucket at open; Gas to surface in 5.5 minutes, gauging gas

Initial Shutin -
Bled off blow 19 minutes, no return

Final Flow -
Gauging gas at open

Final Shutin -
Bled off blow 15 minutes, weak surface blow in 21 minutes

SAMPLES: GAS
SENT TO:CARAWAY LIBERAL,KS

MUD DATA----------

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	60.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop Y	10.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 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	Shane McBride
Co. Rep.	Chuck Schmaltz
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

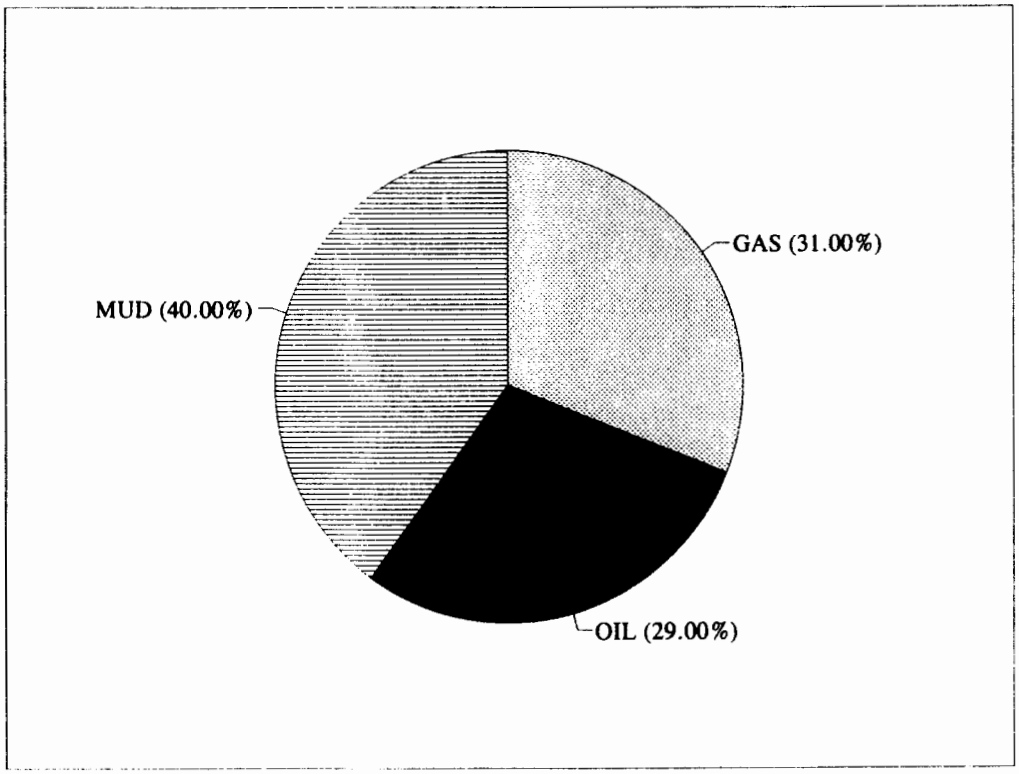
Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST 3 TICKET 9526

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	80	25	20	35	28		0	40	32
2	120	35	42	25	30		0	40	48
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	200		62		58		0		80

			HRS OPEN		BBL/DAY
BBL OIL=	0.28362	*	1	=	6.80688
BBL WATER=	0	*		=	0
BBL MUD=	0.3912				
BBL GAS =	0.30318				



GAS RECOVERY

COMPANY: Amoco Production Company DATE: 7-29-96
WELL NAME: Eric Bradley 1-17 KB Elev: 2973.00 ft TICKET #9526 DST #3
WELL LOCATION: 17-30S-33W GR Elev: 2963.00 ft FORMATION: KC
INTERVAL Fr.: 4575.00 To 4610.00 T.D.: 4610.00 ft TEST TYPE: CONV.

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
6	1.00	30	0	951000.0
10	1.50	8.5	0	1160000.0
15	1.50	6	0	953000.0
20	1.50	5.5	0	908000.0
25	1.50	5.5	0	908000.0
30	1.50	5.5	0	908000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.25	8.5	0	729000.0
10	1.25	11.5	0	870000.0
15	1.25	12	0	893000.0
20	1.25	12	0	893000.0
25	1.25	12	0	893000.0
30	1.25	12	0	893000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	960410	Analyzed:	08/01/96
Sample From:	Eric Bradley 1-17	Pressure:	
Producer:	Amoco Production Co.	Temperature:	
Date:		Location:	17/30/33
Time:		County:	
Sampler:		State:	
Source:		Formation:	KC

		Mole %	GPM
Helium	He:	0.416	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	22.002	0.000
Carbon Dioxide	CO2:	0.139	0.000
Methane	C1:	66.072	0.000
Ethane	C2:	5.518	1.476
Propane	C3:	3.461	0.954
Iso Butane	iC4:	0.430	0.141
Normal Butane	nC4:	0.954	0.301
Iso Pentane	iC5:	0.232	0.085
Normal Pentane	nC5:	0.236	0.085
Hexanes Plus	C6+:	0.540	0.236
	TOTAL:	100.000	3.277
	Z Fact:	0.9978	
	SP.GR.:	0.7499	
	BTU (SAT):	931.4 @ 14.73 psia	
	BTU (DRY):	947.9 @ 14.73 psia	
	OCTANE RATING:	96.6	

COMMENTS: No pressure in bottle, sample entered under vacuum 0.140

Caraway Analytical, 01-Aug-96

TEST HISTORY

9526 DST #3 Eric Bradley 1-17 Amoco Prod.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2218.44
B:	0.00	233.08
C:	29.00	248.00
D:	59.00	1192.81
E:	0.00	221.77
F:	26.00	229.62
G:	61.00	1190.08
Q:	0.00	2161.54

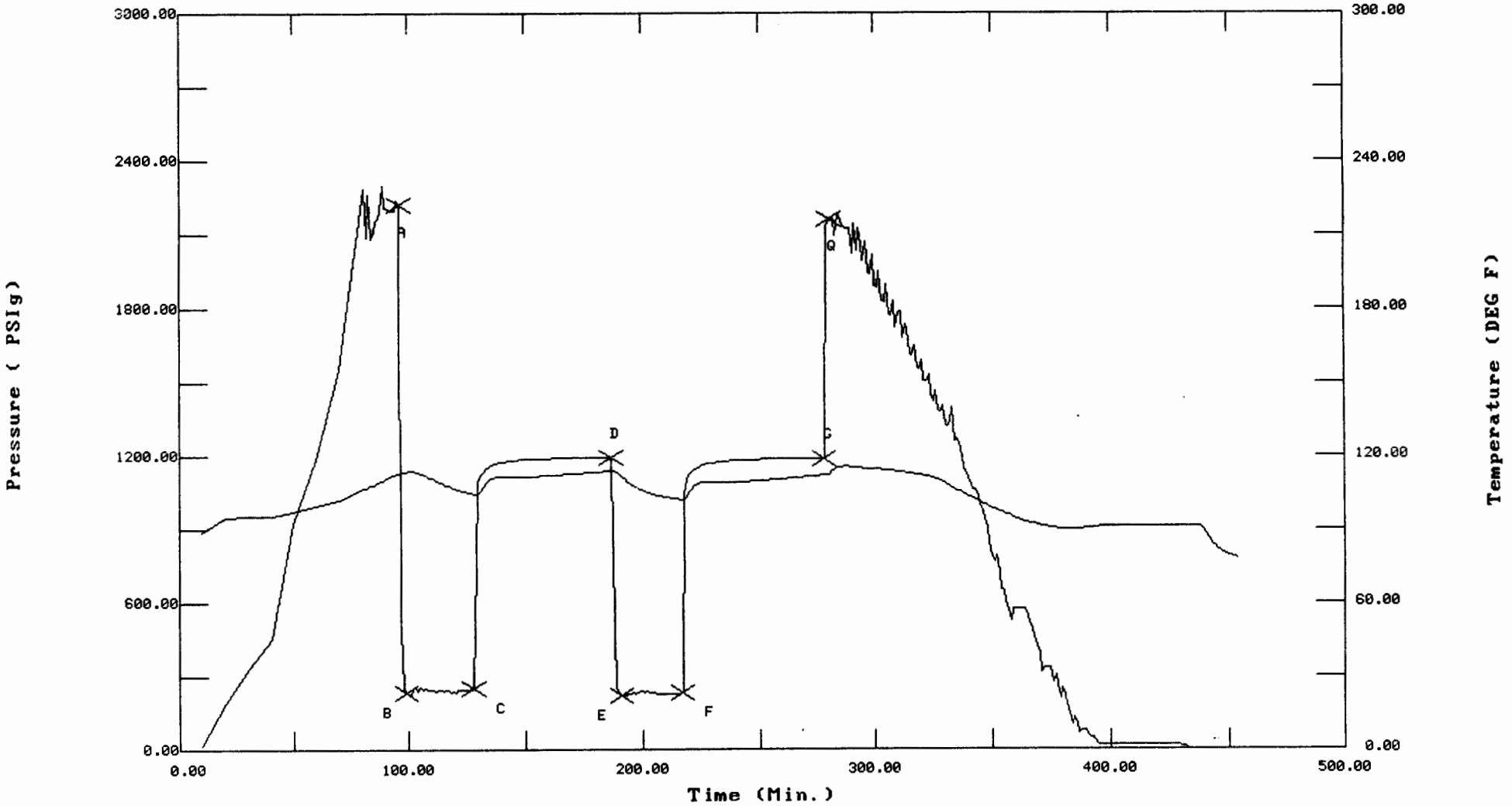
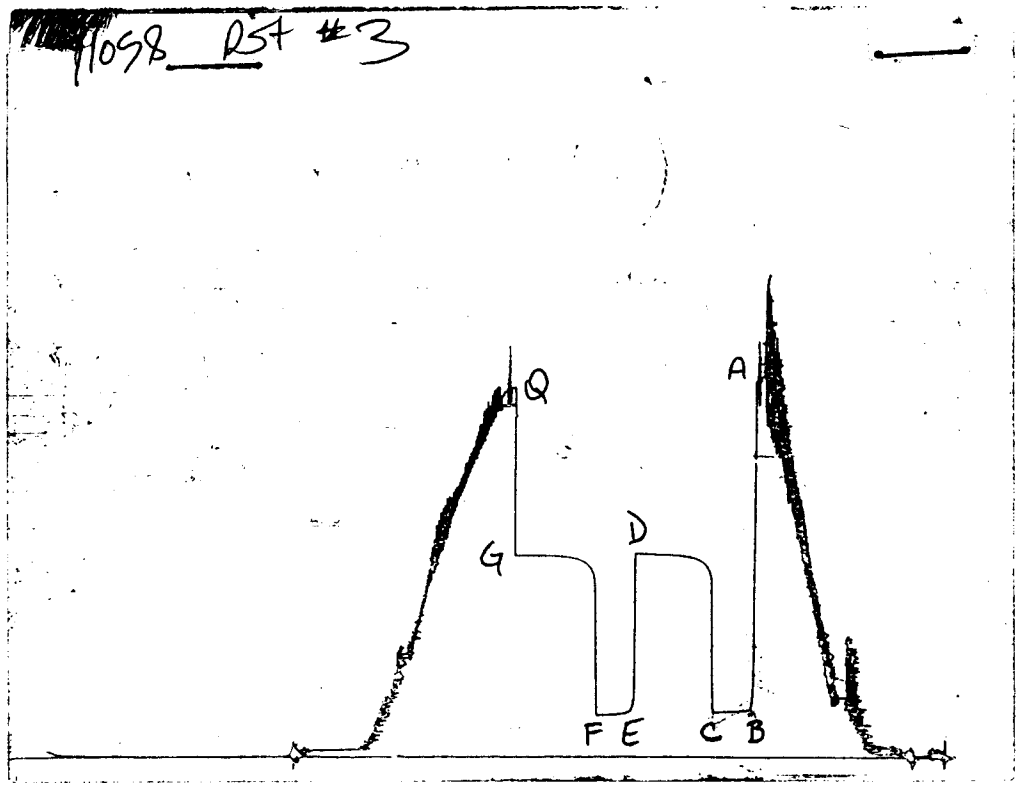


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9526 DST #3 Eric Bradley 1-17 Amoco Prod.

DATE: 07/29/96 TIME: 15:28:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	96.00	2218.4	0.0	112.88		
****** Start Flow 1	0.00	233.1	0.0	113.51		
	1.00	225.0	-8.1	113.68		
	2.00	227.5	-5.6	113.74		
	3.00	248.0	14.9	113.67		
	4.00	255.2	22.1	113.49		
	5.00	238.8	5.7	113.23		
	6.00	253.4	20.3	112.89		
	7.00	243.8	10.7	112.49		
	8.00	250.3	17.2	112.07		
	9.00	243.6	10.5	111.61		
	10.00	241.8	8.7	111.15		
	11.00	242.5	9.4	110.69		
	12.00	239.8	6.7	110.22		
	13.00	240.4	7.3	109.78		
	14.00	245.2	12.1	109.33		
	15.00	242.4	9.3	108.90		
	16.00	239.8	6.7	108.49		
	17.00	241.7	8.6	108.08		
	18.00	241.4	8.3	107.69		
	19.00	231.9	-1.2	107.32		
	20.00	235.7	2.6	106.96		
	21.00	233.2	0.1	106.61		
	22.00	242.0	8.9	106.27		
	23.00	245.8	12.7	105.97		
	24.00	242.5	9.4	105.67		
	25.00	242.3	9.2	105.39		
	26.00	245.5	12.4	105.11		
	27.00	243.6	10.5	104.88		
	28.00	248.4	15.3	104.67		
****** End Flow 1	29.00	248.0	14.9	104.47		
****** Start Shutin 1	0.00	248.0	0.0	104.47	0.0000	0.062
	1.00	763.6	515.6	104.29	30.0000	0.583
	2.00	1097.0	849.0	104.51	15.5000	1.203
	3.00	1120.4	872.4	105.66	10.6667	1.255
	4.00	1133.3	885.3	107.17	8.2500	1.284
	5.00	1143.3	895.3	108.51	6.8000	1.307
	6.00	1151.2	903.2	109.55	5.8333	1.325
	7.00	1157.4	909.4	110.25	5.1429	1.340
	8.00	1162.4	914.4	110.73	4.6250	1.351
	9.00	1166.4	918.4	111.03	4.2222	1.360
	10.00	1169.7	921.7	111.21	3.9000	1.368
	11.00	1172.3	924.3	111.33	3.6364	1.374
	12.00	1174.6	926.6	111.40	3.4167	1.380
	13.00	1176.4	928.4	111.43	3.2308	1.384
	14.00	1178.1	930.1	111.45	3.0714	1.388
	15.00	1179.5	931.5	111.46	2.9333	1.391
	16.00	1180.7	932.7	111.47	2.8125	1.394
	17.00	1181.7	933.7	111.46	2.7059	1.396
	18.00	1182.7	934.7	111.48	2.6111	1.399
	19.00	1183.5	935.5	111.48	2.5263	1.401

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9526 DST #3 Eric Bradley 1-17 Amoco Prod.

DATE: 07/29/96 TIME: 15:28:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	1184.3	936.3	111.49	2.4500	1.402
	21.00	1185.0	937.0	111.52	2.3810	1.404
	22.00	1185.6	937.6	111.53	2.3182	1.406
	23.00	1186.1	938.1	111.56	2.2609	1.407
	24.00	1186.6	938.6	111.59	2.2083	1.408
	25.00	1187.1	939.1	111.62	2.1600	1.409
	26.00	1187.6	939.6	111.66	2.1154	1.410
	27.00	1188.0	940.0	111.70	2.0741	1.411
	28.00	1188.4	940.4	111.76	2.0357	1.412
	29.00	1188.7	940.7	111.81	2.0000	1.413
	30.00	1189.0	941.0	111.83	1.9667	1.414
	31.00	1189.4	941.4	111.91	1.9355	1.415
	32.00	1189.7	941.7	111.98	1.9062	1.415
	33.00	1190.0	942.0	112.05	1.8788	1.416
	34.00	1190.3	942.3	112.12	1.8529	1.417
	35.00	1190.6	942.6	112.17	1.8286	1.417
	36.00	1190.8	942.8	112.23	1.8056	1.418
	37.00	1191.1	943.1	112.29	1.7838	1.419
	38.00	1191.4	943.4	112.36	1.7632	1.419
	39.00	1191.6	943.6	112.44	1.7436	1.420
	40.00	1191.8	943.8	112.50	1.7250	1.420
	41.00	1192.1	944.1	112.59	1.7073	1.421
	42.00	1192.3	944.3	112.65	1.6905	1.422
	43.00	1192.4	944.4	112.72	1.6744	1.422
	44.00	1192.6	944.6	112.79	1.6591	1.422
	45.00	1192.7	944.7	112.87	1.6444	1.422
	46.00	1192.9	944.9	112.94	1.6304	1.423
	47.00	1191.1	943.1	113.00	1.6170	1.419
	48.00	1191.3	943.3	113.08	1.6042	1.419
	49.00	1191.4	943.4	113.15	1.5918	1.419
	50.00	1191.6	943.6	113.22	1.5800	1.420
	51.00	1191.7	943.7	113.30	1.5686	1.420
	52.00	1191.9	943.9	113.38	1.5577	1.421
	53.00	1191.9	943.9	113.43	1.5472	1.421
	54.00	1192.1	944.1	113.50	1.5370	1.421
	55.00	1192.3	944.3	113.58	1.5273	1.422
	56.00	1192.4	944.4	113.65	1.5179	1.422
	57.00	1192.5	944.5	113.72	1.5088	1.422
	58.00	1192.6	944.6	113.79	1.5000	1.422
****** End Shut-in 1	59.00	1192.8	944.8	113.86	1.4915	1.423
****** Start Flow 2	0.00	221.8	0.0	111.76		
	1.00	218.1	-3.7	110.88		
	2.00	222.2	0.4	110.04		
	3.00	224.6	2.8	109.26		
	4.00	224.8	3.1	108.54		
	5.00	231.4	9.7	107.88		
	6.00	226.7	4.9	107.29		
	7.00	232.5	10.8	106.75		
	8.00	237.5	15.8	106.26		
	9.00	235.8	14.1	105.81		
	10.00	231.6	9.8	105.41		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9526 DST #3 Eric Bradley 1-17 Amoco Prod.

DATE: 07/29/96 TIME: 15:28:19

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	11.00	238.0	16.3	105.05		
	12.00	232.1	10.4	104.72		
	13.00	231.2	9.4	104.41		
	14.00	230.3	8.5	104.14		
	15.00	228.5	6.7	103.90		
	16.00	228.6	6.8	103.65		
	17.00	226.6	4.8	103.43		
	18.00	226.4	4.6	103.23		
	19.00	224.3	2.6	103.03		
	20.00	224.9	3.1	102.85		
	21.00	227.9	6.1	102.69		
	22.00	227.0	5.2	102.52		
	23.00	226.3	4.5	102.37		
	24.00	226.1	4.3	102.23		
	25.00	225.4	3.6	102.09		
****** End Flow 2	26.00	229.6	7.9	101.97		
****** Start Shutin 2	0.00	229.6	0.0	101.97	0.0000	0.053
	1.00	1042.8	813.2	102.04	56.0000	1.087
	2.00	1103.4	873.7	103.13	28.5000	1.217
	3.00	1119.6	890.0	104.75	19.3333	1.254
	4.00	1131.2	901.6	106.23	14.7500	1.280
	5.00	1140.3	910.7	107.34	12.0000	1.300
	6.00	1147.5	917.9	108.13	10.1667	1.317
	7.00	1153.2	923.6	108.64	8.8571	1.330
	8.00	1157.8	928.2	108.93	7.8750	1.340
	9.00	1161.5	931.8	109.09	7.1111	1.349
	10.00	1164.4	934.8	109.17	6.5000	1.356
	11.00	1166.9	937.3	109.20	6.0000	1.362
	12.00	1168.9	939.3	109.21	5.5833	1.366
	13.00	1170.7	941.0	109.19	5.2308	1.370
	14.00	1172.1	942.5	109.17	4.9286	1.374
	15.00	1173.4	943.8	109.16	4.6667	1.377
	16.00	1174.5	944.9	109.13	4.4375	1.380
	17.00	1175.5	945.9	109.11	4.2353	1.382
	18.00	1176.4	946.8	109.09	4.0556	1.384
	19.00	1177.2	947.6	109.09	3.8947	1.386
	20.00	1177.9	948.3	109.09	3.7500	1.388
	21.00	1178.6	949.0	109.10	3.6190	1.389
	22.00	1179.3	949.7	109.13	3.5000	1.391
	23.00	1179.8	950.2	109.15	3.3913	1.392
	24.00	1180.3	950.7	109.18	3.2917	1.393
	25.00	1180.8	951.2	109.22	3.2000	1.394
	26.00	1181.4	951.7	109.27	3.1154	1.396
	27.00	1181.8	952.2	109.30	3.0370	1.397
	28.00	1182.2	952.6	109.35	2.9643	1.398
	29.00	1182.6	953.0	109.40	2.8966	1.399
	30.00	1183.0	953.4	109.46	2.8333	1.400
	31.00	1183.4	953.7	109.53	2.7742	1.400
	32.00	1183.7	954.1	109.60	2.7188	1.401
	33.00	1184.1	954.5	109.67	2.6667	1.402
	34.00	1184.4	954.8	109.74	2.6176	1.403

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9526 DST #3 Eric Bradley 1-17 Amoco Prod.

DATE: 07/29/96 TIME: 15:28:19

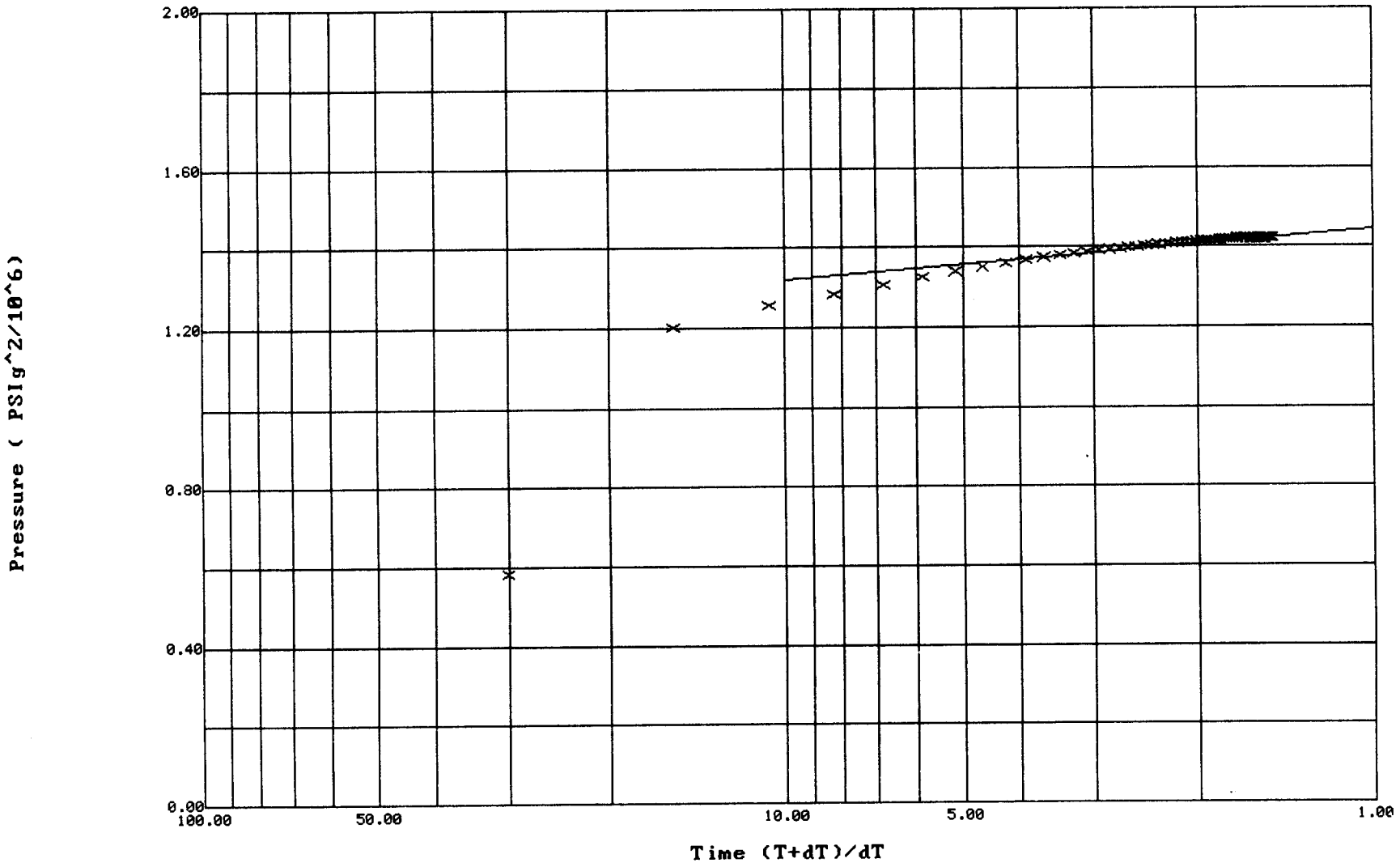
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	35.00	1184.7	955.1	109.82	2.5714	1.404
	36.00	1185.1	955.4	109.89	2.5278	1.404
	37.00	1185.4	955.7	109.96	2.4865	1.405
	38.00	1185.6	956.0	110.04	2.4474	1.406
	39.00	1185.8	956.2	110.12	2.4103	1.406
	40.00	1186.2	956.6	110.20	2.3750	1.407
	41.00	1186.3	956.7	110.28	2.3415	1.407
	42.00	1186.6	957.0	110.36	2.3095	1.408
	43.00	1186.9	957.3	110.44	2.2791	1.409
	44.00	1187.1	957.5	110.52	2.2500	1.409
	45.00	1187.3	957.7	110.61	2.2222	1.410
	46.00	1187.5	957.9	110.69	2.1957	1.410
	47.00	1187.7	958.0	110.78	2.1702	1.411
	48.00	1187.9	958.3	110.85	2.1458	1.411
	49.00	1188.1	958.5	110.94	2.1224	1.412
	50.00	1188.3	958.6	111.03	2.1000	1.412
	51.00	1188.5	958.8	111.12	2.0784	1.412
	52.00	1188.6	959.0	111.18	2.0577	1.413
	53.00	1188.8	959.2	111.28	2.0377	1.413
	54.00	1189.0	959.4	111.35	2.0185	1.414
	55.00	1189.2	959.6	111.44	2.0000	1.414
	56.00	1189.3	959.7	111.53	1.9821	1.415
	57.00	1189.5	959.9	111.62	1.9649	1.415
	58.00	1189.6	960.0	111.68	1.9483	1.415
	59.00	1189.8	960.2	111.76	1.9322	1.416
	60.00	1189.9	960.3	111.84	1.9167	1.416
****** End Shut-in 2	61.00	1190.1	960.5	111.93	1.9016	1.416
****** Final Hydro.	280.00	2161.5	0.0	112.39		

P^2 Horner Plot: shut-in #1

9526 DST #3 Eric Bradley 1-17 Amoco Prod.

Slope: 0.1249 PSIg^2/10^6/cycle

Ext. Pressure: 1201.8478 PSIg

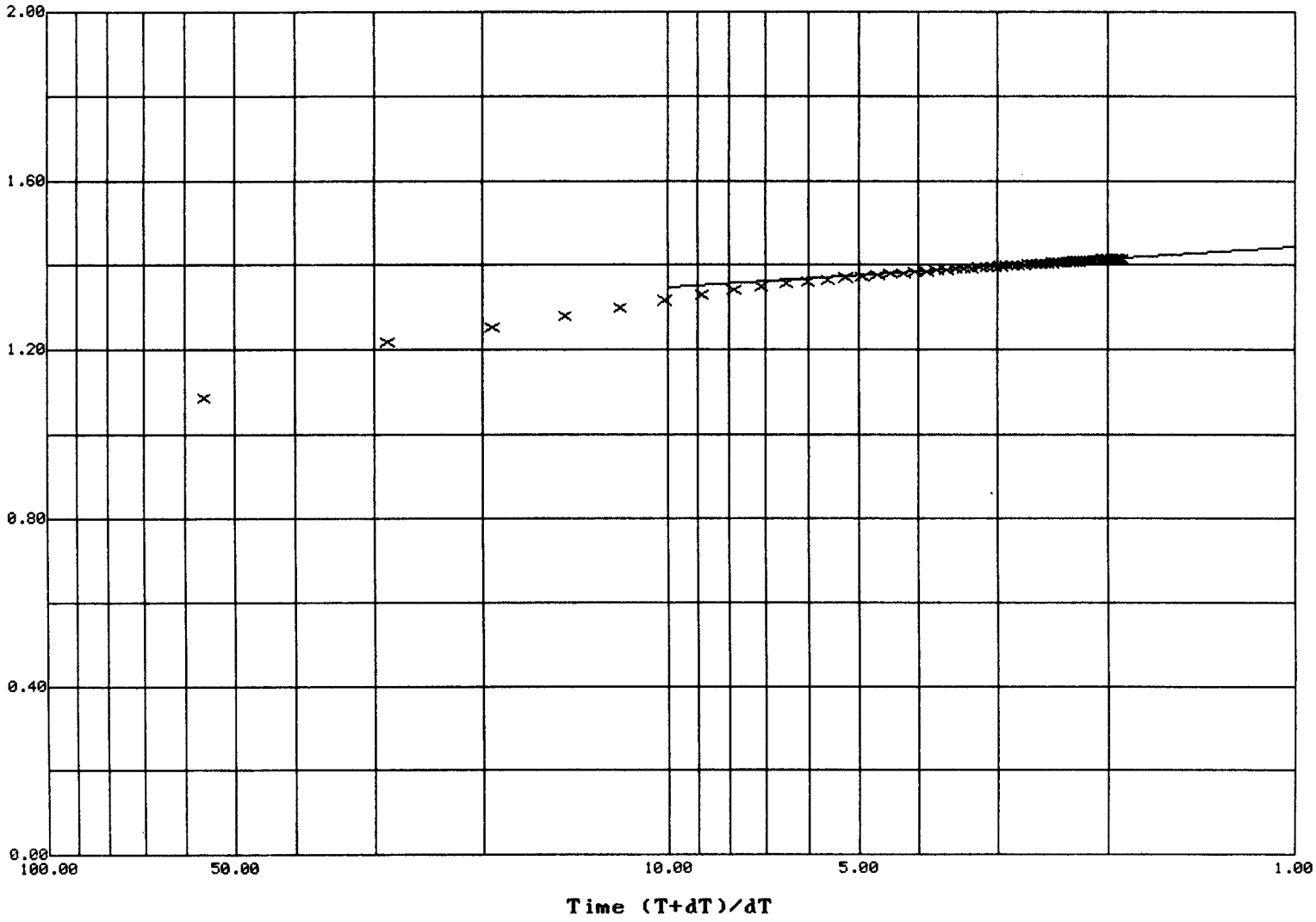


P^2 Horner Plot: shut-in #2

9526 DST #3 Eric Bradley 1-17 Amoco Prod.

Slope: 0.0968 PSIg^2/10^6/cycle

Ext. Pressure: 1201.3590 PSIg



*** TOOL DIAGRAM *** CONV.

WELL NAME: Eric Bradley 1-17

LOCATION : 17-30S-33W

TICKET No. 9526 D.S.T. No. 3 DATE 7-29-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 35

TOTAL TOOL 63

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 63

D.C. ABOVE TOOLS.Stands11 Single 1 Total

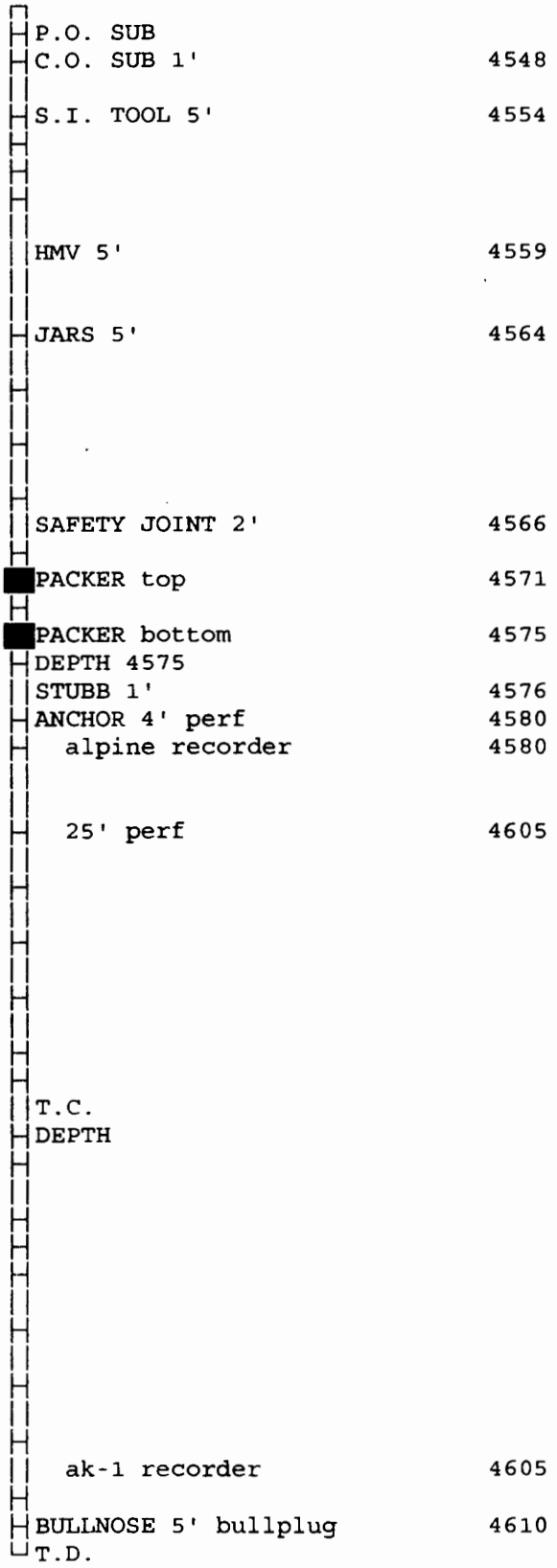
D.P. ABOVE TOOLS.Stands62 Single Total 3882

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4636

TOTAL DEPTH 4610

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No. 9526

Well Name & No. Cox Bradley 1-17 Test No. 3 Date 7-29-96

Company Pinnacle Prod. Co. Zone Tested KC

Address P.O. Box 800 Room 924 Denver Colo. Elevation 2973' KB 2965 GL

Co. Rep / Geo. Chuck Schmeltz Cont. Cheyenne #3 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 17 Twp. 30 Rge. 33 Co. Haskell State KS

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

Interval Tested 4575' — 4610' Initial Str Wt./Lbs. 94,000 Unseated Str Wt./Lbs. 94,000

Anchor Length 35' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 128,000

Top Packer Depth 4570' Tool Weight 5,000

Bottom Packer Depth 4575' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4610 Wt. Pipe Run — Drill Collar Run 691'

Mud Wt. 8.9 LCM #2 Vis. 60 WL 8.0 Drill Pipe Size 4½ FH Ft. Run 3882'

Blow Description B.O.B @ open Gas to Surface 5½ min "Flaring Gas"
Bleed off Blow 19 min - No return
Gauging Gas @ open. "Flaring gas"
Bleed off blow 15 min - weak Surface return in 21 min.

Recovery — Total Feet 200' GIP GTS 5½ min. Ft. in DC 200' Ft. in DP —

Rec. 80'	Feet Of oil cut gassy mud	25 %gas	35 %oil	%water	40 %mud
Rec. 120'	Feet Of gassy oil cut mud	35 %gas	25 %oil	%water	40 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

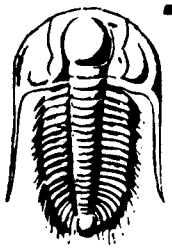
BHT 114° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 2650 ppm System

(A) Initial Hydrostatic Mud	2233	2237 PSI	Recorder No. 2341	T-Started	15:28 P.M.
(B) First Initial Flow Pressure	264	257 PSI	(depth) 4580'	T-Open	17:05 P.M.
(C) First Final Flow Pressure	266	248 PSI	Recorder No. 11058	T-Pulled	20:05 P.M.
(D) Initial Shut-in Pressure	1186	1192 PSI	(depth) 4605'	T-Out	23:20 P.M.
(E) Second Initial Flow Pressure	255	254 PSI	Recorder No.		
(F) Second Final Flow Pressure	233	229 PSI	(depth)		
(G) Final Shut-in Pressure	1175	1190 PSI	Initial Opening 30	Test X	600
(H) Final Hydrostatic Mud	2210	2161 PSI	Initial Shut-in 60	Jars X	200
	AK-1	Elec.	Final Flow 30	Safety Joint X	50
			Final Shut-in 60	Straddle	
			G.T.S. 5½ min	Circ. Sub X	N/C
			Bright Orange Flame	Sampler	
				Extra Packer	
				Elect. Rec. X	150
				Other	
				TOTAL PRICE $	1000

Approved By ____

Our Representative Shane McBride



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Amoco Prod. Co. — OPERATOR

Eva Bradley 1-17 — WELL NAME AND NO.

3 — DST NO.

IO

Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5½	30	1	951
10	2.5	1½	1160
15	6	1½	953
20	5.5	1½	908
25	5.5	1½	908
30	5.5	1½	908

FF

Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	2.5	1¼	729
10	11.5	1¼	870
15	12	1¼	893
20	12	1¼	893
25	12	1¼	893
30	12	1¼	893

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company DATE 7-31-96
WELL NAME: Eric Bradley 1-17 KB 2973.00 ft TICKET NO: 9527 DST #4
LOCATION : 17-30S-33W Haskell Cty KS GR 2963.00 ft FORMATION: Atoka
INTERVAL : 5112.00 To 5160.00 ft TD 5160.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins		Field	1	2	3	4
PF 10	Rec.	11058	11058	2346		
SI 60	Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12	12	Alpin		
FS 90	Depth(ft)	5155.0	5155.0	5113.0	0.0	0.0

TIME DATA----------
PF Fr. 2313 to 2323 hr
IS Fr. 2323 to 0023 hr
SF Fr. 0023 to 0053 hr
FS Fr. 0053 to 0223 hr

	Field	1	2	3	4
A. Init Hydro	2513.0	2509.0	2526.0	0.0	0.0
B. First Flow	601.0	591.0	492.0	0.0	0.0
B1. Final Flow	601.0	591.0	598.0	0.0	0.0
C. In Shut-in	1420.0	1413.0	1404.0	0.0	0.0
D. Init Flow	624.0	600.0	580.0	0.0	0.0
E. Final Flow	658.0	663.0	640.0	0.0	0.0
F. Fl Shut-in	1408.0	1398.0	1394.0	0.0	0.0
G. Final Hydro	2479.0	2437.0	2603.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2111 hr
T ON BOTM 2310 hr
T OPEN 2313 hr
T PULLED 0223 hr
T OUT 0750 hr

TOOL DATA----------

Tool Wt.	5000.00 lbs
Wt Set On Packer	26000.00 lbs
Wt Pulled Loose	140000.00 lbs
Initial Str Wt	100000.00 lbs
Unseated Str Wt	105000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.50 in
D.C. Length	691.00 ft
D.P. Length	4444.00 ft

RECOVERY
Tot Fluid 1200.00 ft of 691.00 ft in DC and 509.00 ft in DP
620.00 ft of Gassy water & oil cut mud - 15% gas, 20% oil, 10% water, 55% mud
240.00 ft of Slightly water & mud cut gassy oil - 30% gas, 60% oil, 5% water, 5% mud
340.00 ft of Slightly water cut gassy oil - 45% gas, 50% oil, 5% water

RW .19 @ 72 F
SALINITY 38100.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	25.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 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	Shane McBride
Co. Rep.	Chuck Schmaltz
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow -
Bottom of bucket at open; Gas to surface in 2 min

Initial Shutin -
Bled off blow 21 min, return in 4 min, built to 8.5"

Final Flow -
Flaring and gauging gas at open, burned bright blue-orange flame

Final Shutin -
Bled off blow 42 min, no return

SAMPLES:
SENT TO:

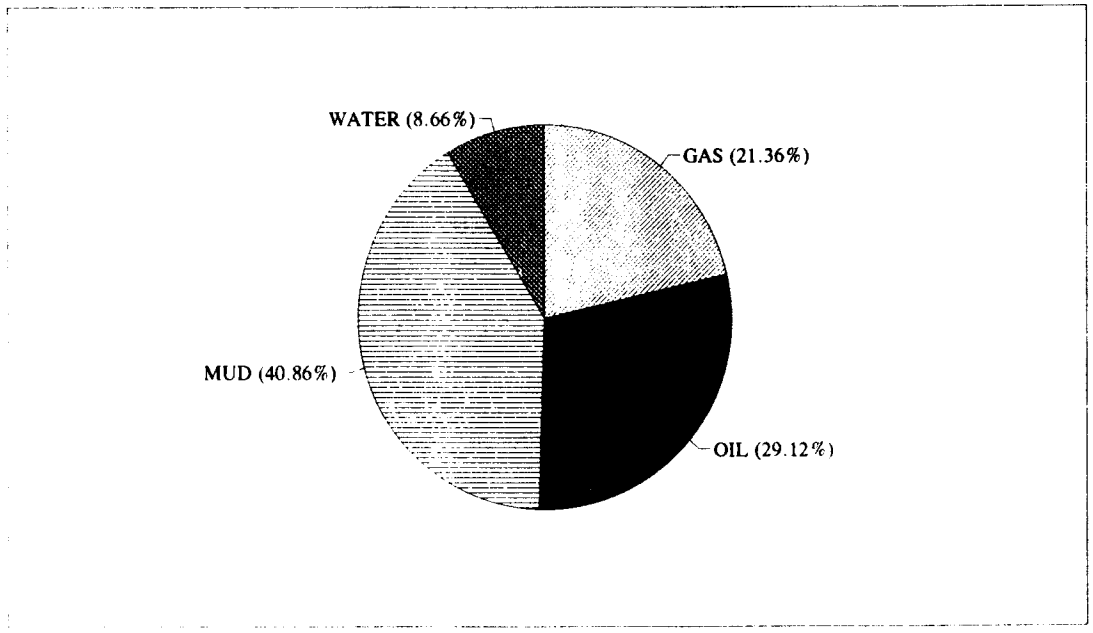
Test Successful: Y

CALCULATED RECOVERY ANALYSIS

DST 4 TICKE 9527

SAMPLE #		TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRILL	1	509	15	76.35	20	101.8	10	50.9	55	279.95
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
DRILL	1	111	15	16.65	20	22.2	10	11.1	55	61.05
COLLAR	2	240	30	72	60	144	5	12	5	12
	3	340	45	153	50	170	5	17		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		1200		318		438		91		353

			HRS OPEN		BBL/DAY
BBL OIL=	3.09161	*	0.667	=	111.242
BBL WATER	0.91989	*		=	33.0994
BBL MUD=	4.3381				
BBL GAS =	2.26737				



GAS RECOVERY

COMPANY: Amoco Production Company DATE: 7-31-96
WELL NAME: Eric Bradley 1-17 KB Elev: 2973.00 ft TICKET #9527 DST #4
WELL LOCATION: 17-30S-33W GR Elev: 2963.00 ft FORMATION: Atoka
INTERVAL Fr.: 5112.00 To 5160.00 T.D.: 5160.00 ft TEST TYPE: CONV.

GAS RECOVERY MEASURED WITH Merla

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.25	18	0	1146000.0
8	1.25	30	0	1612000.0
10	1.25	36	0	1836000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
0	1.50	10	0	1274000.0
5	1.50	19	0	1887000.0
10	1.50	26	0	2319000.0
15	1.50	28	0	2441000.0
20	1.50	28	0	2441000.0
25	1.50	28	0	2441000.0
30	1.50	28	0	2441000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, L.L.C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:
Caraway Analytical, L.L.C.
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Lab Number:	960409	Analyzed:	08/01/96
Sample From:	Eric Bradley	Pressure:	
Producer:	Amoco Production Co.	Temperature:	
Date:		Location:	17/30/33
Time:		County:	
Sampler:		State:	
Source:		Formation:	Atoka

		Mole %	GPM
Helium	He:	0.332	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	8.793	0.000
Carbon Dioxide	CO2:	0.189	0.000
Methane	C1:	76.735	0.000
Ethane	C2:	6.952	1.859
Propane	C3:	4.217	1.162
Iso Butane	iC4:	0.474	0.155
Normal Butane	nC4:	1.125	0.355
Iso Pentane	iC5:	0.228	0.083
Normal Pentane	nC5:	0.287	0.104
Hexanes Plus	C6+:	0.668	0.291
	TOTAL:	100.000	4.010
	Z Fact:	0.9972	
	SP.GR.:	0.7182	
	BTU (SAT):	1097.4 @ 14.73 psia	
	BTU (DRY):	1116.8 @ 14.73 psia	
	OCTANE RATING:	113.0	

COMMENTS: No pressure in bottle, sample entered under vacuum 0.169

Caraway Analytical, 01-Aug-96

TEST HISTORY

9527 DST #4 Eric Bradley 1-17 Amoco Prod Co.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2525.96
B:	0.00	491.81
C:	8.00	597.96
D:	60.00	1403.63
E:	0.00	579.51
F:	28.00	639.89
G:	91.00	1393.78
Q:	0.00	2602.54

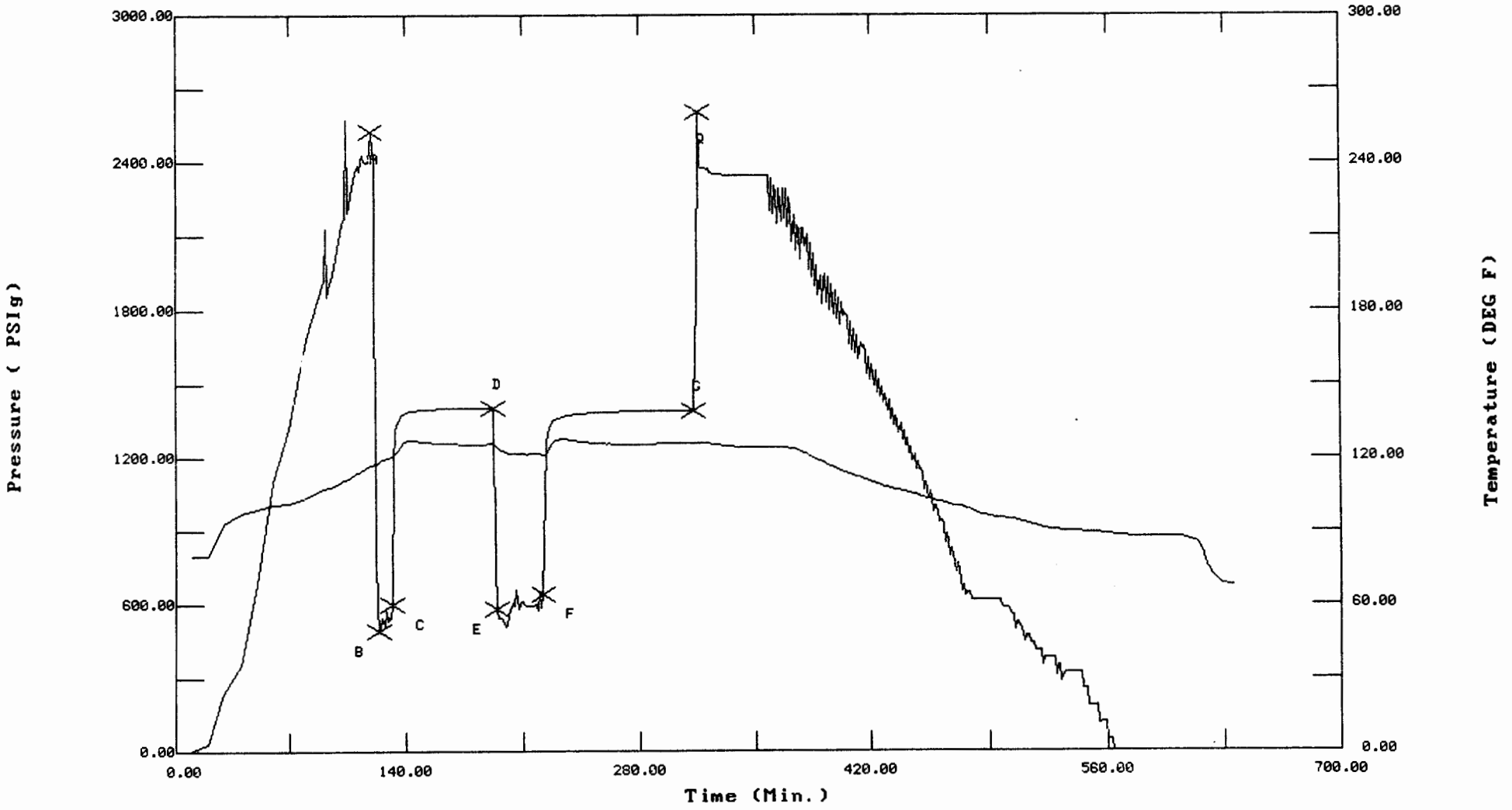
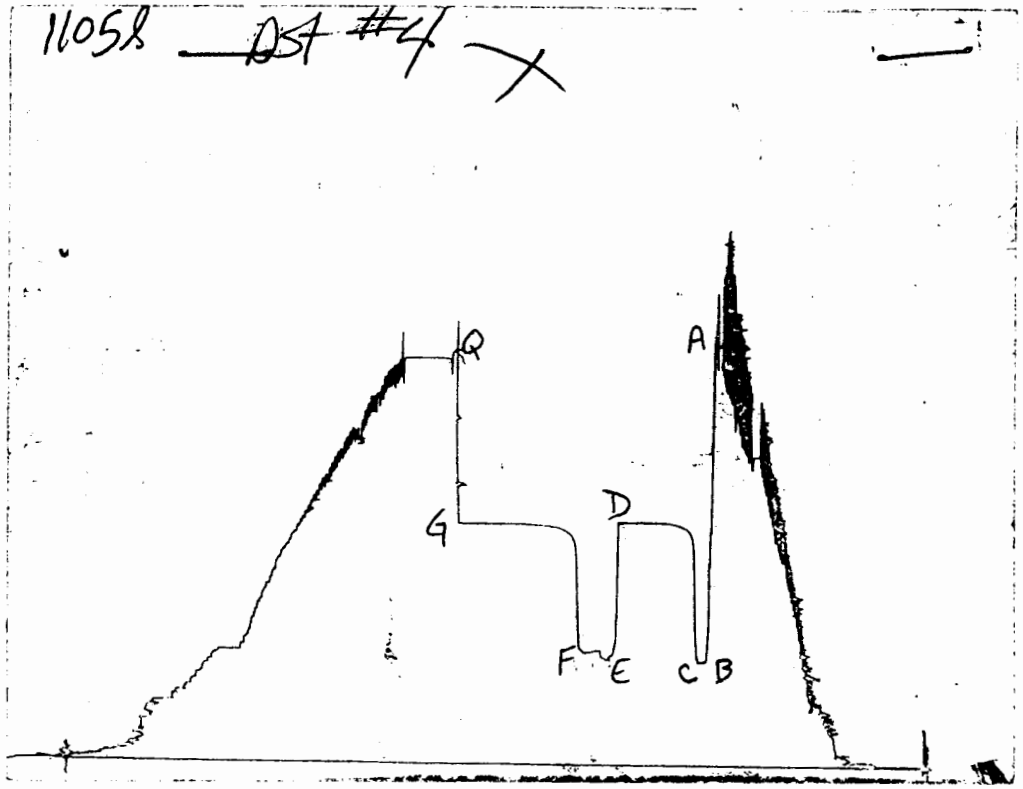


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9527 DST #4 Eric Bradley 1-17 Amoco Prod Co.

DATE: 07/31/96 TIME: 21:20:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	119.00	2526.0	0.0	116.81		
****** Start Flow 1	0.00	491.8	0.0	118.14		
	1.00	501.4	9.6	118.61		
	2.00	543.5	51.7	119.04		
	3.00	513.4	21.6	119.42		
	4.00	577.1	85.3	119.75		
	5.00	531.5	39.7	119.98		
	6.00	544.2	52.4	120.20		
	7.00	542.4	50.6	120.41		
****** End Flow 1	8.00	598.0	106.1	120.65		
****** Start Shutin 1	0.00	598.0	0.0	120.65	0.0000	0.358
	1.00	1180.1	582.2	120.93	9.0000	1.393
	2.00	1312.9	714.9	121.56	5.0000	1.724
	3.00	1349.1	751.2	122.66	3.6667	1.820
	4.00	1364.1	766.1	123.88	3.0000	1.861
	5.00	1372.7	774.7	124.97	2.6000	1.884
	6.00	1378.3	780.3	125.81	2.3333	1.900
	7.00	1382.0	784.0	126.40	2.1429	1.910
	8.00	1384.8	786.9	126.78	2.0000	1.918
	9.00	1387.3	789.3	127.01	1.8889	1.925
	10.00	1389.2	791.3	127.09	1.8000	1.930
	11.00	1390.9	792.9	127.12	1.7273	1.935
	12.00	1392.2	794.2	127.09	1.6667	1.938
	13.00	1393.3	795.3	127.04	1.6154	1.941
	14.00	1394.4	796.4	126.98	1.5714	1.944
	15.00	1395.3	797.3	126.88	1.5333	1.947
	16.00	1396.1	798.1	126.79	1.5000	1.949
	17.00	1396.8	798.8	126.71	1.4706	1.951
	18.00	1397.3	799.4	126.61	1.4444	1.953
	19.00	1397.9	799.9	126.52	1.4211	1.954
	20.00	1398.4	800.4	126.44	1.4000	1.955
	21.00	1398.8	800.8	126.37	1.3810	1.957
	22.00	1399.3	801.3	126.30	1.3636	1.958
	23.00	1399.5	801.6	126.23	1.3478	1.959
	24.00	1399.8	801.9	126.17	1.3333	1.960
	25.00	1400.1	802.1	126.11	1.3200	1.960
	26.00	1400.4	802.5	126.05	1.3077	1.961
	27.00	1400.6	802.7	126.00	1.2963	1.962
	28.00	1400.8	802.9	125.96	1.2857	1.962
	29.00	1401.0	803.1	125.91	1.2759	1.963
	30.00	1401.2	803.2	125.88	1.2667	1.963
	31.00	1401.4	803.4	125.84	1.2581	1.964
	32.00	1401.5	803.5	125.80	1.2500	1.964
	33.00	1401.7	803.7	125.77	1.2424	1.965
	34.00	1401.7	803.8	125.75	1.2353	1.965
	35.00	1401.8	803.9	125.72	1.2286	1.965
	36.00	1402.0	804.0	125.70	1.2222	1.966
	37.00	1402.0	804.1	125.68	1.2162	1.966
	38.00	1402.2	804.3	125.66	1.2105	1.966
	39.00	1402.4	804.4	125.64	1.2051	1.967
	40.00	1402.5	804.5	125.62	1.2000	1.967

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9527 DST #4 Eric Bradley 1-17 Amoco Prod Co.

DATE: 07/31/96 TIME: 21:20:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	41.00	1402.5	804.5	125.61	1.1951	1.967
	42.00	1402.6	804.6	125.60	1.1905	1.967
	43.00	1402.7	804.7	125.58	1.1860	1.967
	44.00	1402.7	804.8	125.58	1.1818	1.968
	45.00	1402.8	804.9	125.57	1.1778	1.968
	46.00	1402.9	805.0	125.57	1.1739	1.968
	47.00	1403.0	805.1	125.57	1.1702	1.968
	48.00	1403.0	805.1	125.57	1.1667	1.968
	49.00	1403.0	805.1	125.57	1.1633	1.968
	50.00	1403.1	805.1	125.58	1.1600	1.969
	51.00	1403.2	805.2	125.60	1.1569	1.969
	52.00	1403.3	805.3	125.61	1.1538	1.969
	53.00	1403.3	805.3	125.61	1.1509	1.969
	54.00	1403.3	805.4	125.62	1.1481	1.969
	55.00	1403.4	805.4	125.61	1.1455	1.969
	56.00	1403.5	805.5	125.60	1.1429	1.970
	57.00	1403.5	805.5	125.63	1.1404	1.970
	58.00	1403.6	805.6	125.64	1.1379	1.970
	59.00	1403.6	805.7	125.66	1.1356	1.970
***** End Shut-in 1	60.00	1403.6	805.7	125.66	1.1333	1.970
***** Start Flow 2	0.00	579.5	0.0	124.96		
	1.00	546.6	-32.9	124.16		
	2.00	541.6	-38.0	123.55		
	3.00	543.0	-36.5	123.09		
	4.00	537.2	-42.3	122.73		
	5.00	509.6	-69.9	122.40		
	6.00	514.5	-65.0	122.07		
	7.00	562.0	-17.5	121.78		
	8.00	572.9	-6.6	121.59		
	9.00	589.7	10.2	121.50		
	10.00	603.0	23.5	121.47		
	11.00	593.6	14.1	121.49		
	12.00	660.0	80.5	121.53		
	13.00	583.1	3.6	121.57		
	14.00	604.5	25.0	121.57		
	15.00	609.6	30.1	121.56		
	16.00	608.0	28.5	121.51		
	17.00	599.1	19.6	121.47		
	18.00	592.1	12.6	121.42		
	19.00	593.0	13.5	121.42		
	20.00	590.8	11.3	121.43		
	21.00	594.1	14.6	121.49		
	22.00	593.0	13.5	121.49		
	23.00	598.2	18.7	121.52		
	24.00	598.3	18.8	121.53		
	25.00	572.5	-7.0	121.53		
	26.00	655.0	75.5	121.47		
	27.00	588.2	8.7	121.43		
***** End Flow 2	28.00	639.9	60.4	121.39		
***** Start Shutin 2	0.00	639.9	0.0	121.39	0.0000	0.409
	1.00	1040.8	400.9	121.38	37.0000	1.083

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9527 DST #4 Eric Bradley 1-17 Amoco Prod Co.

DATE: 07/31/96 TIME: 21:20:42

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
2.00	1256.6	616.7	121.82	19.0000	1.579
3.00	1303.4	663.5	122.89	13.0000	1.699
4.00	1325.5	685.6	124.13	10.0000	1.757
5.00	1338.8	699.0	125.22	8.2000	1.793
6.00	1347.3	707.4	126.08	7.0000	1.815
7.00	1353.2	713.3	126.71	6.1429	1.831
8.00	1357.6	717.7	127.14	5.5000	1.843
9.00	1361.1	721.2	127.42	5.0000	1.853
10.00	1363.8	723.9	127.58	4.6000	1.860
11.00	1366.2	726.3	127.64	4.2727	1.867
12.00	1368.1	728.2	127.63	4.0000	1.872
13.00	1369.8	729.9	127.58	3.7692	1.876
14.00	1371.5	731.6	127.53	3.5714	1.881
15.00	1373.0	733.1	127.45	3.4000	1.885
16.00	1374.2	734.3	127.33	3.2500	1.889
17.00	1375.5	735.6	127.22	3.1176	1.892
18.00	1376.5	736.6	127.12	3.0000	1.895
19.00	1377.4	737.5	127.01	2.8947	1.897
20.00	1378.3	738.4	126.91	2.8000	1.900
21.00	1379.0	739.1	126.80	2.7143	1.902
22.00	1379.7	739.8	126.71	2.6364	1.904
23.00	1380.4	740.5	126.61	2.5652	1.906
24.00	1381.1	741.2	126.52	2.5000	1.907
25.00	1381.7	741.8	126.42	2.4400	1.909
26.00	1382.3	742.4	126.33	2.3846	1.911
27.00	1382.8	742.9	126.25	2.3333	1.912
28.00	1383.3	743.4	126.19	2.2857	1.913
29.00	1383.7	743.8	126.11	2.2414	1.915
30.00	1384.0	744.1	126.04	2.2000	1.915
31.00	1384.6	744.7	125.98	2.1613	1.917
32.00	1384.9	745.0	125.93	2.1250	1.918
33.00	1385.2	745.3	125.86	2.0909	1.919
34.00	1385.4	745.5	125.81	2.0588	1.919
35.00	1385.8	745.9	125.76	2.0286	1.920
36.00	1386.0	746.2	125.71	2.0000	1.921
37.00	1386.3	746.4	125.67	1.9730	1.922
38.00	1386.6	746.7	125.63	1.9474	1.923
39.00	1386.9	747.0	125.61	1.9231	1.923
40.00	1387.2	747.3	125.65	1.9000	1.924
41.00	1387.3	747.4	125.56	1.8780	1.925
42.00	1387.6	747.7	125.53	1.8571	1.925
43.00	1387.9	748.0	125.48	1.8372	1.926
44.00	1388.0	748.1	125.46	1.8182	1.926
45.00	1388.3	748.4	125.43	1.8000	1.927
46.00	1388.4	748.5	125.44	1.7826	1.928
47.00	1388.6	748.7	125.43	1.7660	1.928
48.00	1388.8	748.9	125.41	1.7500	1.929
49.00	1389.0	749.1	125.43	1.7347	1.929
50.00	1389.2	749.3	125.43	1.7200	1.930
51.00	1389.4	749.5	125.43	1.7059	1.930
52.00	1389.5	749.6	125.43	1.6923	1.931

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9527 DST #4 Eric Bradley 1-17 Amoco Prod Co.

DATE: 07/31/96 TIME: 21:20:42

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	53.00	1389.7	749.8	125.43	1.6792	1.931
	54.00	1389.9	750.0	125.44	1.6667	1.932
	55.00	1390.1	750.2	125.45	1.6545	1.932
	56.00	1390.2	750.3	125.45	1.6429	1.933
	57.00	1390.4	750.5	125.46	1.6316	1.933
	58.00	1390.5	750.6	125.47	1.6207	1.933
	59.00	1390.6	750.7	125.48	1.6102	1.934
	60.00	1390.8	750.9	125.49	1.6000	1.934
	61.00	1390.9	751.0	125.51	1.5902	1.934
	62.00	1391.0	751.1	125.52	1.5806	1.935
	63.00	1391.2	751.3	125.53	1.5714	1.935
	64.00	1391.3	751.4	125.55	1.5625	1.936
	65.00	1391.4	751.5	125.56	1.5538	1.936
	66.00	1391.6	751.7	125.57	1.5455	1.936
	67.00	1391.6	751.7	125.59	1.5373	1.937
	68.00	1391.8	751.9	125.61	1.5294	1.937
	69.00	1391.8	751.9	125.63	1.5217	1.937
	70.00	1391.9	752.0	125.66	1.5143	1.937
	71.00	1392.1	752.2	125.67	1.5070	1.938
	72.00	1392.2	752.3	125.68	1.5000	1.938
	73.00	1392.3	752.4	125.71	1.4932	1.938
	74.00	1392.4	752.5	125.72	1.4865	1.939
	75.00	1392.5	752.6	125.74	1.4800	1.939
	76.00	1392.6	752.7	125.77	1.4737	1.939
	77.00	1392.7	752.8	125.77	1.4675	1.939
	78.00	1392.8	752.9	125.79	1.4615	1.940
	79.00	1392.9	753.0	125.82	1.4557	1.940
	80.00	1393.0	753.1	125.85	1.4500	1.940
	81.00	1393.0	753.1	125.85	1.4444	1.940
	82.00	1393.1	753.2	125.85	1.4390	1.941
	83.00	1393.2	753.3	125.87	1.4337	1.941
	84.00	1393.3	753.4	125.90	1.4286	1.941
	85.00	1393.4	753.5	125.91	1.4235	1.942
	86.00	1393.5	753.6	125.92	1.4186	1.942
	87.00	1393.5	753.6	125.95	1.4138	1.942
	88.00	1393.6	753.7	125.97	1.4091	1.942
	89.00	1393.7	753.8	125.98	1.4045	1.942
	90.00	1393.7	753.8	126.00	1.4000	1.943
****** End Shut-in 2	91.00	1393.8	753.9	126.02	1.3956	1.943
****** Final Hydro.	316.00	2602.5	0.0	126.05		

*** TOOL DIAGRAM *** CONV.

WELL NAME: Eric Bradley 1-17

LOCATION : 17-30S-33W

TICKET No. 9527 D.S.T. No. 4 DATE 7-31-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 16

TOTAL TOOL 44

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 75

D.C. ABOVE TOOLS.Stands11 Single 1 Total 691

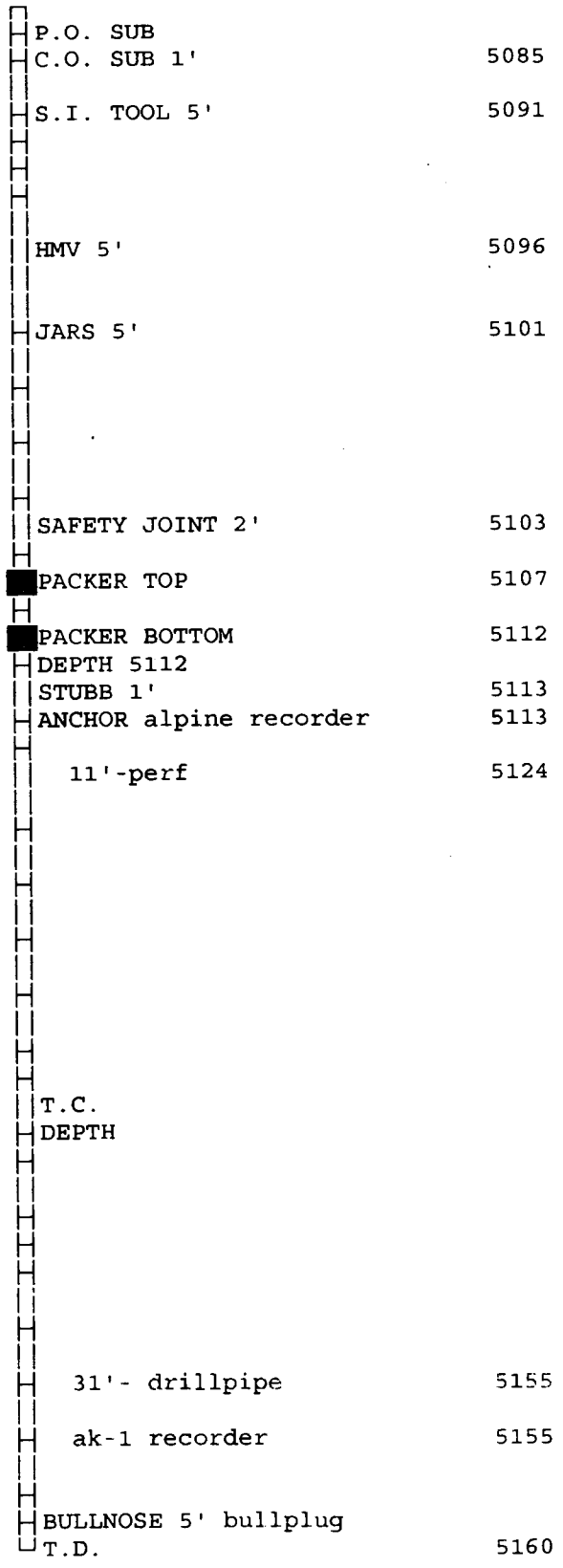
D.P. ABOVE TOOLS.Stands71 Single Total 4413

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5179

TOTAL DEPTH 5160

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 9527

Well Name & No. Eric Bradley 1-17 Test No. 4 Date 7-31-96

Company Amoco Prod. Co. Zone Tested Atoka

Address P.O. Box 800 Room 924 Denver, Colo. Elevation 2973' KB 2963' GL

Co. Rep / Geo. Chuck Schmaltz Cont. Cheyenne #3 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 17 Twp. 30 Rge. 33 Co. Haskell State KS

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

Interval Tested 5112 – 5160' Initial Str Wt./Lbs. 100,000 Unseated Str Wt./Lbs. 105,000

Anchor Length 48' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 140,000

Top Packer Depth 5107' Tool Weight 5,000

Bottom Packer Depth 5112' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 5160' Wt. Pipe Run — Drill Collar Run XH 691'

Mud Wt. 9.0 LCM #2 Vis. 50 WL 7.6 Drill Pipe Size 4½ FH Ft. Run 4444'

Blow Description BOB @ open – gauging & flaring Gas Gas to Surface in 2min

1st: Bleed off Blow 21 min, return in 4min, built to 8½"in.

2nd: Gauging Gas @ open "Bright Blue Orange Flame"

3rd: Bleed off Blow 42min, No return

Recovery — Total Feet 1200 GIP 675 in 2nd Ft. in DC 691' Ft. in DP 509'

Rec. 620'	Feet Of	Slity gas & water cut oil/gassy	15 %gas	20 %oil	10 %water	55 %mud
Rec. 240'	Feet Of	Slity water & mud cut gassy oil	30 %gas	60 %oil	5 %water	5 %mud
Rec. 340'	Feet Of	Slightly water cut gassy oil	45 %gas	50 %oil	5 %water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 126° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

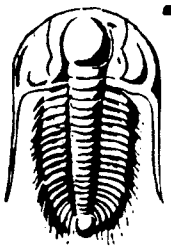
RW .19 @ 72 °F Chlorides 38,100 ppm Recovery Chlorides 2,100 ppm System

(A) Initial Hydrostatic Mud	2513	2525	PSI	Recorder No.	2346	T-Started	21:11 P.M
(B) First Initial Flow Pressure	601	491	PSI	(depth)	5113'	T-Open	23:13 P.M
(C) First Final Flow Pressure	601	597	PSI	Recorder No.	11058	T-Pulled	2:23 A.M
(D) Initial Shut-in Pressure	1420	1403	PSI	(depth)	5155'	T-Out	7:50 A.M.
(E) Second Initial Flow Pressure	624	579	PSI	Recorder No.			
(F) Second Final Flow Pressure	658	639	PSI	(depth)			
(G) Final Shut-in Pressure	1408	1393	PSI	Initial Opening	10	Test X	700
(H) Final Hydrostatic Mud	2479	2602	PSI	Initial Shut-in	60	Jars X	200
	AK-1	Elec		Final Flow	30	Safety Joint X	50
				Final Shut-in	90	Straddle	
				Gas to Surface in 2min (Bomb Bright Blue Orange Flame)		Circ. Sub X	N/C
						Sampler	
						Extra Packer	
						Elect. Rec. X	150
						Other	
						TOTAL PRICE $	1100

TRILOBIITE 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 Shane McBeth



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

Strong Bright Blue, orange Flare

GAS VOLUME REPORT

Amoco Prod Co. (OPERATOR) | Cox Bradley 1-17 (WELL NAME AND NO.) | 4 (DST NO.)

I.O.: F.F:

Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D	Min.	~~Ins. of Water~~ PSIG	Orifice Size	MCF/D
5	18	1¼	1146	@ Open	10	1½	1274
8	30	1¼	1612	5	19	1½	1887
10	36	1¼	1836	10	26	1½	2319
				15	28	1½	2441
				20	28	1½	2441
				25	28	1½	2441
				30	28	1½	2441

Remarks: