

Computer inventoried
CONFIDENTIAL

ORIGINAL

15-187-20852

RELEASED

JAN 29 1999

FROM CONFIDENTIAL

WELL NAME: Amanda Jill #1-36
COMPANY: Amoco Production Company
LOCATION: 36-29S-40W
Stanton County Kansas
DATE: 09/13/96

KCC

DEC 9

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company
WELL NAME: Amanda Jill #1-36
LOCATION : 36-29S-40W Stanton Cty KS
INTERVAL : 4474.00 To 4503.00 ft

DATE 9-9-96
KB 3251.00 ft TICKET NO: 9288 DST #1
GR 3238.00 ft FORMATION: Marmaton
TD 4503.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	2341			PF Fr. 2204 to 2234 hr
SI 60 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2234 to 2334 hr
SF 60 Clock(hrs)	12	12	Alpin			SF Fr. 2334 to 0034 hr
FS 120 Depth(ft)	4498.0	4498.0	4480.0	0.0	0.0	FS Fr. 0034 to 0234 hr

	Field	1	2	3	4	
A. Init Hydro	2173.0	2211.0	2129.0	0.0	0.0	T STARTED 1930 hr
B. First Flow	104.0	108.0	71.0	0.0	0.0	T ON BOTM 2202 hr
B1. Final Flow	155.0	182.0	204.0	0.0	0.0	T OPEN 2204 hr
C. In Shut-in	1210.0	1213.0	1230.0	0.0	0.0	T PULLED 0234 hr
D. Init Flow	228.0	242.0	214.0	0.0	0.0	T OUT 0530 hr
E. Final Flow	322.0	343.0	369.0	0.0	0.0	
F. Fl Shut-in	1210.0	1213.0	1230.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2123.0	2137.0	2114.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 140000.00 lbs
						Initial Str Wt 90000.00 lbs
						Unseated Str Wt 102000.00 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 724.00 ft
						D.P. Length 3741.00 ft

RECOVERY

Tot Fluid 1050.00 ft of 724.00 ft in DC and 326.00 ft in DP
1050.00 ft of Gassy salt water - 5% gas, 95% water

RW .23 @ 70 F

SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
Strong blow off bottom in 15 seconds;
Gas to surface in 13 minutes

Initial Shutin -
Bled off blow, surface return built
to bottom in 15 minutes

Final Flow -
Fair to strong blow off bottom in
1 minute; gas gauged, burns blue flame

Final Shutin -
Let 2" blow down

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	41.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 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	Rod Steinbrink
Co. Rep.	Sam Carmack
Contr.	Cheyenne
Rig #	7
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Amoco Production Company DATE: 9-9-96
 WELL NAME: Amanda Jill #1-36 KB Elev: 3251.00 ft TICKET #9288 DST #1
 WELL LOCATION: 36-29S-40W Stanton Cty KS GR Elev: 3238.00 ft FORMATION: Marmaton
 INTERVAL Fr.: 4474.00 To 4503.00 T.D.: 4503.00 ft TEST TYPE: CONVENTIONAL

AS RECOVERY MEASURED WITH 2" Merla Gauge

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.38	2.5	0	31400.0
30	0.38	3.5	0	36300.0

**** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	2.5	0	31400.0
20	0.38	4.0	0	39000.0
30	0.38	5.0	0	44200.0
40	0.38	5.0	0	44200.0
50	0.38	5.0	0	44200.0
60	0.38	5.0	0	44200.0

9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

TEST HISTORY

Flag Points

t(Min.)	PK	PSig
A: 0.00	2129.42	
B: 0.00	71.05	
C: 29.00	203.71	
D: 62.00	1230.03	
E: 0.00	214.20	
F: 57.00	368.68	
G: 124.00	1230.49	
Q: 0.00	2113.76	

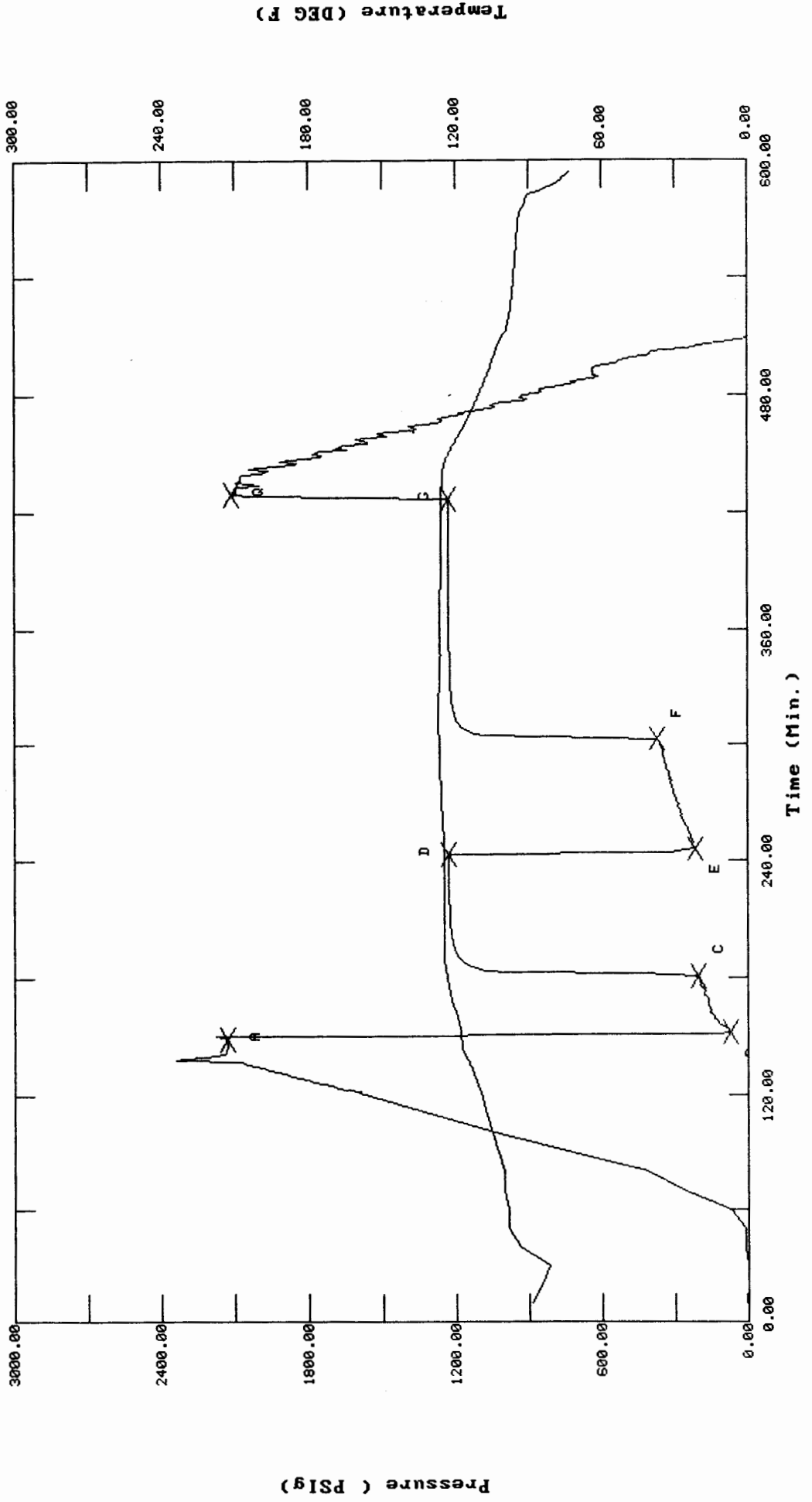
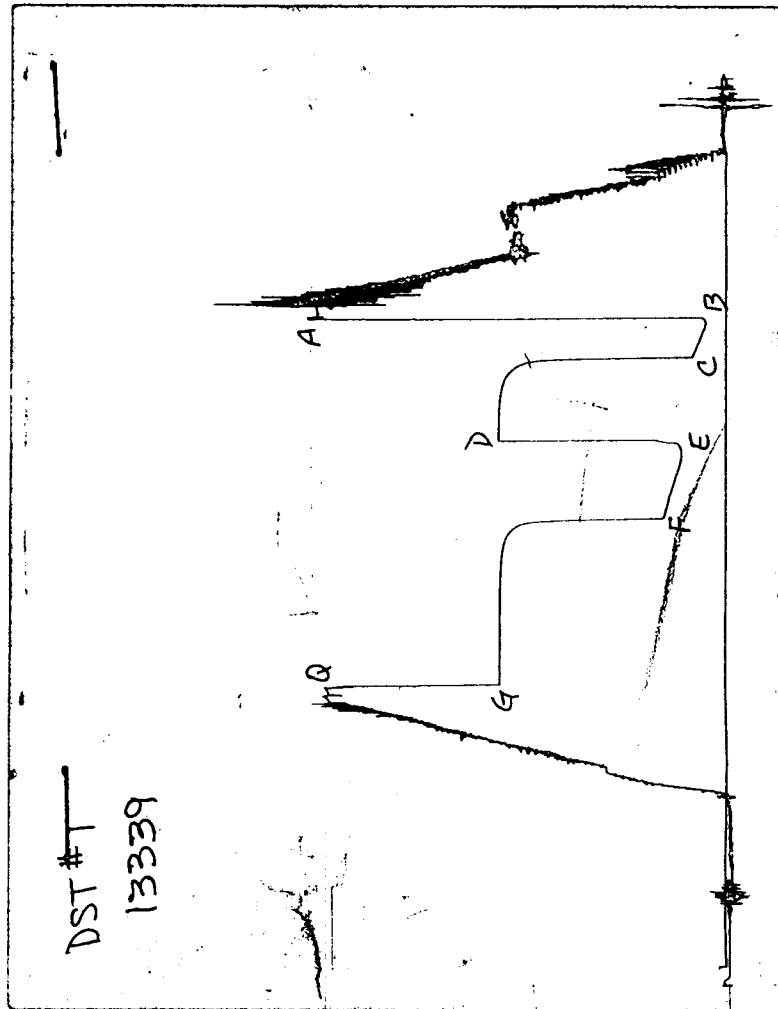


CHART PAGE



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

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

DATE: 09/09/96

TIME: 19:31:28

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	149.00	2129.4	0.0	117.86		
***** Start Flow 1	0.00	71.1	0.0	117.93		
	1.00	78.6	7.5	118.04		
	2.00	88.3	17.2	118.19		
	3.00	99.1	28.1	118.35		
	4.00	109.5	38.4	118.53		
	5.00	119.1	48.1	118.70		
	6.00	126.6	55.5	118.88		
	7.00	133.6	62.5	119.08		
	8.00	136.9	65.8	119.32		
	9.00	142.0	71.0	119.59		
	10.00	152.4	81.3	119.87		
	11.00	148.1	77.1	120.15		
	12.00	151.2	80.1	120.41		
	13.00	152.7	81.6	120.69		
	14.00	157.3	86.3	120.95		
	15.00	162.7	91.7	121.20		
	16.00	158.8	87.7	121.43		
	17.00	162.8	91.8	121.66		
	18.00	166.3	95.3	121.86		
	19.00	177.2	106.1	122.06		
	20.00	175.7	104.7	122.25		
	21.00	174.4	103.4	122.42		
	22.00	179.9	108.8	122.62		
	23.00	184.5	113.5	122.78		
	24.00	194.0	122.9	122.94		
	25.00	192.6	121.5	123.06		
	26.00	196.0	125.0	123.21		
	27.00	197.3	126.3	123.34		
	28.00	205.9	134.9	123.48		
***** End Flow 1	29.00	203.7	132.7	123.60		
***** Start Shutin 1	0.00	203.7	0.0	123.60	0.0000	0.041
	1.00	439.8	236.0	123.72	30.0000	0.193
	2.00	981.8	778.1	123.86	15.5000	0.964
	3.00	1076.6	872.9	124.04	10.6667	1.159
	4.00	1114.4	910.7	124.14	8.2500	1.242
	5.00	1136.5	932.8	124.29	6.8000	1.292
	6.00	1151.9	948.2	124.39	5.8333	1.327
	7.00	1163.2	959.5	124.50	5.1429	1.353
	8.00	1172.3	968.6	124.58	4.6250	1.374
	9.00	1180.0	976.3	124.64	4.2222	1.392
	10.00	1186.4	982.7	124.70	3.9000	1.408
	11.00	1191.8	988.1	124.74	3.6364	1.420
	12.00	1196.3	992.6	124.78	3.4167	1.431
	13.00	1200.0	996.3	124.82	3.2308	1.440
	14.00	1203.5	999.8	124.85	3.0714	1.448
	15.00	1206.2	1002.5	124.88	2.9333	1.455
	16.00	1208.8	1005.1	124.90	2.8125	1.461
	17.00	1210.8	1007.1	124.93	2.7059	1.466
	18.00	1212.6	1008.9	124.95	2.6111	1.470
	19.00	1214.2	1010.5	124.96	2.5263	1.474

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.
 DATE: 09/09/96 TIME: 19:31:28

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	20.00	1215.5	1011.8	124.98	2.4500	1.478
	21.00	1216.8	1013.1	125.00	2.3810	1.481
	22.00	1218.0	1014.3	124.99	2.3182	1.484
	23.00	1219.0	1015.3	125.01	2.2609	1.486
	24.00	1219.8	1016.1	125.01	2.2083	1.488
	25.00	1220.7	1017.0	125.00	2.1600	1.490
	26.00	1221.4	1017.7	125.02	2.1154	1.492
	27.00	1222.0	1018.3	125.02	2.0741	1.493
	28.00	1222.6	1018.9	125.02	2.0357	1.495
	29.00	1223.3	1019.6	125.00	2.0000	1.496
	30.00	1223.7	1020.0	125.01	1.9667	1.497
	31.00	1224.2	1020.5	125.00	1.9355	1.499
	32.00	1224.7	1021.0	124.99	1.9062	1.500
	33.00	1225.1	1021.4	124.99	1.8788	1.501
	34.00	1225.4	1021.7	124.99	1.8529	1.502
	35.00	1225.8	1022.1	124.98	1.8286	1.503
	36.00	1226.1	1022.4	124.98	1.8056	1.503
	37.00	1226.3	1022.6	124.97	1.7838	1.504
	38.00	1226.7	1023.0	124.96	1.7632	1.505
	39.00	1226.9	1023.2	124.96	1.7436	1.505
	40.00	1227.1	1023.4	124.95	1.7250	1.506
	41.00	1227.4	1023.7	124.94	1.7073	1.506
	42.00	1227.6	1023.9	124.93	1.6905	1.507
	43.00	1227.8	1024.1	124.93	1.6744	1.507
	44.00	1228.0	1024.3	124.92	1.6591	1.508
	45.00	1228.2	1024.5	124.92	1.6444	1.509
	46.00	1228.3	1024.6	124.92	1.6304	1.509
	47.00	1228.5	1024.8	124.90	1.6170	1.509
	48.00	1228.7	1025.0	124.90	1.6042	1.510
	49.00	1228.8	1025.1	124.90	1.5918	1.510
	50.00	1228.9	1025.2	124.89	1.5800	1.510
	51.00	1229.0	1025.3	124.89	1.5686	1.511
	52.00	1229.2	1025.5	124.88	1.5577	1.511
	53.00	1229.3	1025.6	124.88	1.5472	1.511
	54.00	1229.4	1025.7	124.87	1.5370	1.512
	55.00	1229.5	1025.8	124.88	1.5273	1.512
	56.00	1229.6	1025.9	124.89	1.5179	1.512
	57.00	1229.7	1026.0	124.91	1.5088	1.512
	58.00	1229.8	1026.1	124.86	1.5000	1.512
	59.00	1229.9	1026.2	124.89	1.4915	1.513
	60.00	1229.9	1026.2	124.85	1.4833	1.513
	61.00	1230.0	1026.3	124.93	1.4754	1.513
***** End Shut-in 1	62.00	1230.0	1026.3	124.88	1.4677	1.513
***** Start Flow 2	0.00	214.2	0.0	124.63		
	1.00	217.5	3.3	124.60		
	2.00	223.9	9.7	124.58		
	3.00	221.0	6.8	124.59		
	4.00	224.7	10.5	124.62		
	5.00	226.9	12.7	124.68		
	6.00	232.5	18.3	124.74		
	7.00	234.0	19.8	124.82		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

DATE: 09/09/96

TIME: 19:31:28

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
8.00	237.4	23.2	124.87		
9.00	240.1	25.9	124.96		
10.00	244.6	30.4	125.03		
11.00	245.7	31.5	125.10		
12.00	251.6	37.4	125.18		
13.00	255.5	41.3	125.24		
14.00	259.8	45.6	125.30		
15.00	259.4	45.2	125.37		
16.00	265.0	50.8	125.44		
17.00	271.4	57.2	125.49		
18.00	271.0	56.8	125.54		
19.00	274.3	60.1	125.60		
20.00	276.9	62.7	125.65		
21.00	281.0	66.8	125.70		
22.00	283.2	69.0	125.74		
23.00	282.7	68.5	125.78		
24.00	287.2	73.0	125.83		
25.00	293.2	79.0	125.87		
26.00	293.7	79.5	125.90		
27.00	299.4	85.2	125.94		
28.00	295.6	81.4	125.98		
29.00	303.4	89.2	126.02		
30.00	304.7	90.5	126.04		
31.00	304.6	90.4	126.08		
32.00	308.6	94.4	126.11		
33.00	312.4	98.2	126.14		
34.00	313.5	99.3	126.17		
35.00	312.7	98.5	126.20		
36.00	319.7	105.5	126.23		
37.00	316.9	102.7	126.25		
38.00	321.9	107.7	126.29		
39.00	324.0	109.8	126.28		
40.00	324.6	110.4	126.34		
41.00	329.7	115.5	126.35		
42.00	331.6	117.4	126.36		
43.00	332.7	118.5	126.40		
44.00	332.4	118.2	126.42		
45.00	337.4	123.2	126.43		
46.00	340.6	126.4	126.46		
47.00	341.7	127.5	126.49		
48.00	345.5	131.3	126.50		
49.00	347.1	132.9	126.54		
50.00	348.7	134.5	126.53		
51.00	348.7	134.5	126.58		
52.00	352.2	138.0	126.58		
53.00	354.5	140.3	126.59		
54.00	357.4	143.2	126.61		
55.00	358.0	143.8	126.62		
56.00	362.9	148.7	126.69		
57.00	368.7	154.5	126.70		

***** End Flow 2

***** Start Shutin 2 0.00 368.7 0.0 126.70 0.0000 0.136

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.
 DATE: 09/09/96 TIME: 19:31:28

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
1.00	840.5	471.8	126.73	87.0000	0.706
2.00	1077.2	708.5	126.79	44.0000	1.160
3.00	1127.9	759.2	126.84	29.6667	1.272
4.00	1150.7	782.0	126.88	22.5000	1.324
5.00	1164.6	795.9	126.94	18.2000	1.356
6.00	1174.5	805.8	126.97	15.3333	1.379
7.00	1182.0	813.3	127.01	13.2857	1.397
8.00	1187.9	819.2	127.04	11.7500	1.411
9.00	1192.8	824.1	127.07	10.5556	1.423
10.00	1196.8	828.2	127.07	9.6000	1.432
11.00	1200.1	831.4	127.10	8.8182	1.440
12.00	1202.9	834.3	127.11	8.1667	1.447
13.00	1205.3	836.6	127.12	7.6154	1.453
14.00	1207.6	838.9	127.11	7.1429	1.458
15.00	1209.4	840.7	127.11	6.7333	1.463
16.00	1211.0	842.3	127.11	6.3750	1.466
17.00	1212.5	843.8	127.09	6.0588	1.470
18.00	1213.7	845.0	127.07	5.7778	1.473
19.00	1214.9	846.2	127.03	5.5263	1.476
20.00	1215.9	847.2	127.00	5.3000	1.478
21.00	1216.8	848.1	126.97	5.0952	1.481
22.00	1217.6	848.9	126.93	4.9091	1.483
23.00	1218.4	849.7	126.89	4.7391	1.484
24.00	1219.0	850.4	126.85	4.5833	1.486
25.00	1219.7	851.1	126.80	4.4400	1.488
26.00	1220.3	851.6	126.77	4.3077	1.489
27.00	1220.7	852.0	126.73	4.1852	1.490
28.00	1221.3	852.6	126.70	4.0714	1.492
29.00	1221.7	853.0	126.66	3.9655	1.493
30.00	1222.1	853.4	126.65	3.8667	1.494
31.00	1222.5	853.8	126.63	3.7742	1.495
32.00	1222.9	854.2	126.63	3.6875	1.495
33.00	1223.3	854.6	126.67	3.6061	1.497
34.00	1223.6	854.9	126.59	3.5294	1.497
35.00	1223.9	855.3	126.56	3.4571	1.498
36.00	1224.2	855.5	126.58	3.3889	1.499
37.00	1224.5	855.8	126.51	3.3243	1.499
38.00	1224.7	856.1	126.45	3.2632	1.500
39.00	1225.0	856.3	126.39	3.2051	1.501
40.00	1225.2	856.6	126.46	3.1500	1.501
41.00	1225.4	856.7	126.43	3.0976	1.502
42.00	1225.7	857.0	126.33	3.0476	1.502
43.00	1225.8	857.1	126.44	3.0000	1.502
44.00	1226.0	857.4	126.22	2.9545	1.503
45.00	1226.2	857.5	126.39	2.9111	1.503
46.00	1226.3	857.6	126.35	2.8696	1.504
47.00	1226.4	857.8	126.41	2.8298	1.504
48.00	1226.7	858.0	126.41	2.7917	1.505
49.00	1226.8	858.1	126.41	2.7551	1.505
50.00	1227.0	858.3	126.38	2.7200	1.505
51.00	1227.0	858.4	126.39	2.6863	1.506

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

DATE: 09/09/96

TIME: 19:31:28

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
52.00	1227.2	858.5	126.40	2.6538	1.506
53.00	1227.4	858.7	126.38	2.6226	1.506
54.00	1227.5	858.8	126.37	2.5926	1.507
55.00	1227.6	858.9	126.38	2.5636	1.507
56.00	1227.8	859.1	126.36	2.5357	1.507
57.00	1227.8	859.1	126.35	2.5088	1.507
58.00	1227.9	859.2	126.34	2.4828	1.508
59.00	1227.9	859.3	126.34	2.4576	1.508
60.00	1228.0	859.4	126.34	2.4333	1.508
61.00	1228.1	859.4	126.32	2.4098	1.508
62.00	1228.1	859.5	126.32	2.3871	1.508
63.00	1228.3	859.6	126.30	2.3651	1.509
64.00	1228.4	859.7	126.30	2.3438	1.509
65.00	1228.4	859.7	126.29	2.3231	1.509
66.00	1228.5	859.8	126.30	2.3030	1.509
67.00	1228.5	859.9	126.29	2.2836	1.509
68.00	1228.6	860.0	126.29	2.2647	1.510
69.00	1228.7	860.0	126.27	2.2464	1.510
70.00	1228.8	860.1	126.27	2.2286	1.510
71.00	1228.8	860.1	126.27	2.2113	1.510
72.00	1228.9	860.3	126.26	2.1944	1.510
73.00	1229.0	860.3	126.26	2.1781	1.510
74.00	1229.1	860.4	126.25	2.1622	1.511
75.00	1229.1	860.4	126.25	2.1467	1.511
76.00	1229.1	860.4	126.24	2.1316	1.511
77.00	1229.1	860.4	126.24	2.1169	1.511
78.00	1229.2	860.5	126.22	2.1026	1.511
79.00	1229.2	860.6	126.23	2.0886	1.511
80.00	1229.3	860.6	126.22	2.0750	1.511
81.00	1229.3	860.6	126.22	2.0617	1.511
82.00	1229.4	860.7	126.21	2.0488	1.511
83.00	1229.5	860.8	126.21	2.0361	1.512
84.00	1229.5	860.8	126.21	2.0238	1.512
85.00	1229.5	860.9	126.19	2.0118	1.512
86.00	1229.6	860.9	126.20	2.0000	1.512
87.00	1229.6	860.9	126.19	1.9885	1.512
88.00	1229.7	861.0	126.19	1.9773	1.512
89.00	1229.7	861.0	126.19	1.9663	1.512
90.00	1229.7	861.0	126.18	1.9556	1.512
91.00	1229.7	861.0	126.18	1.9451	1.512
92.00	1229.8	861.1	126.18	1.9348	1.512
93.00	1229.8	861.1	126.18	1.9247	1.512
94.00	1229.8	861.1	126.16	1.9149	1.512
95.00	1229.9	861.2	126.16	1.9053	1.513
96.00	1229.8	861.1	126.16	1.8958	1.512
97.00	1229.8	861.1	126.16	1.8866	1.512
98.00	1229.9	861.2	126.16	1.8776	1.513
99.00	1230.0	861.3	126.16	1.8687	1.513
100.00	1229.9	861.3	126.15	1.8600	1.513
101.00	1230.0	861.4	126.14	1.8515	1.513
102.00	1230.1	861.4	126.14	1.8431	1.513

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: 9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.
 DATE: 09/09/96 TIME: 19:31:28

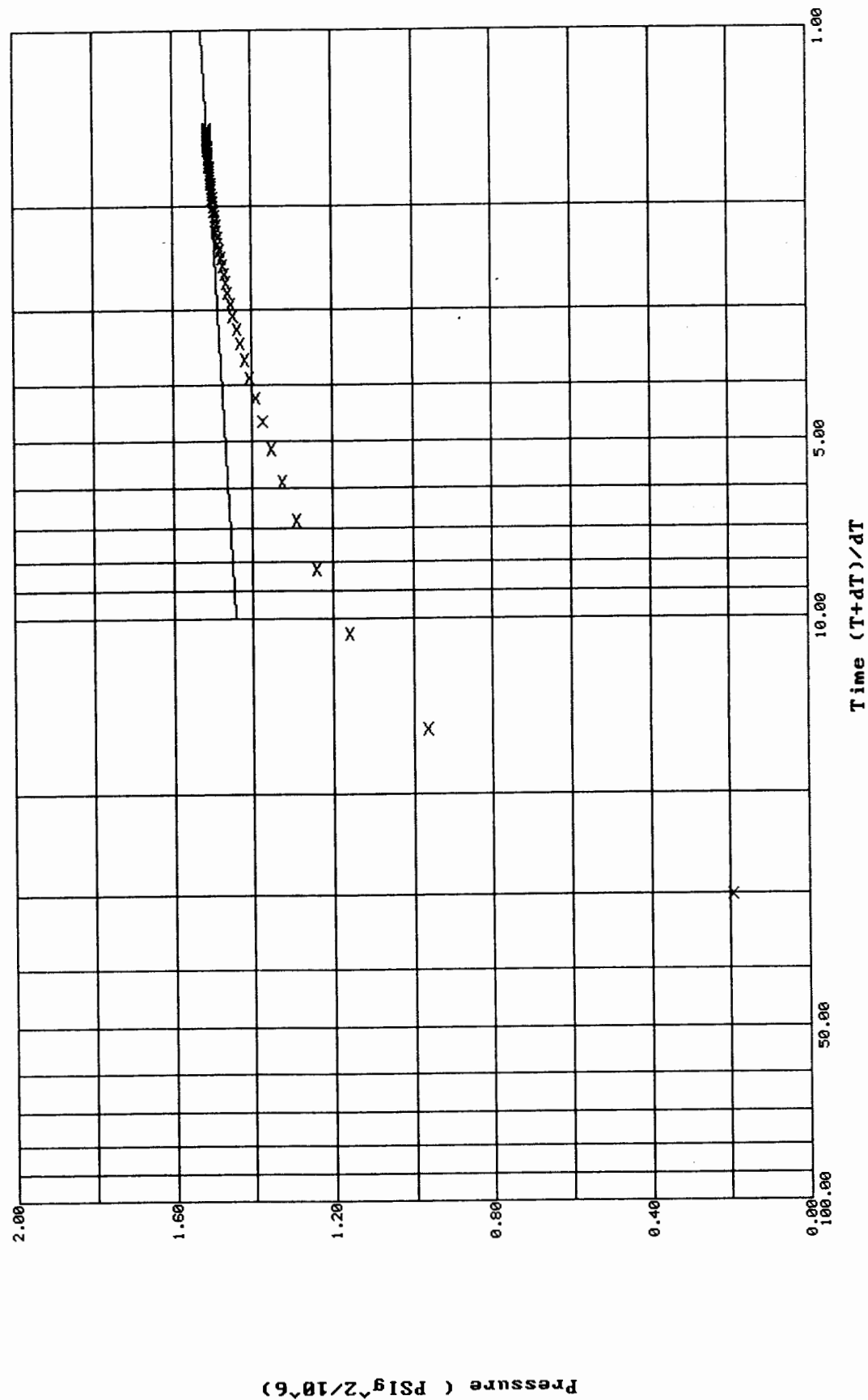
	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	103.00	1230.1	861.5	126.13	1.8350	1.513
	104.00	1230.1	861.4	126.12	1.8269	1.513
	105.00	1230.1	861.4	126.12	1.8190	1.513
	106.00	1230.1	861.5	126.12	1.8113	1.513
	107.00	1230.2	861.5	126.12	1.8037	1.513
	108.00	1230.3	861.6	126.10	1.7963	1.514
	109.00	1230.2	861.6	126.11	1.7890	1.513
	110.00	1230.3	861.6	126.10	1.7818	1.514
	111.00	1230.2	861.5	126.09	1.7748	1.513
	112.00	1230.3	861.6	126.08	1.7679	1.514
	113.00	1230.3	861.6	126.09	1.7611	1.514
	114.00	1230.4	861.7	126.08	1.7544	1.514
	115.00	1230.3	861.6	126.08	1.7478	1.514
	116.00	1230.3	861.6	126.07	1.7414	1.514
	117.00	1230.3	861.7	126.07	1.7350	1.514
	118.00	1230.4	861.8	126.07	1.7288	1.514
	119.00	1230.4	861.8	126.06	1.7227	1.514
	120.00	1230.4	861.8	126.07	1.7167	1.514
	121.00	1230.5	861.8	126.07	1.7107	1.514
	122.00	1230.4	861.7	126.06	1.7049	1.514
	123.00	1230.5	861.8	126.06	1.6992	1.514
***** End Shut-in 2	124.00	1230.5	861.8	126.05	1.6935	1.514
***** Final Hydro.	429.00	2113.8	0.0	126.04		

P² Horner Plot: shut-in #1

9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

Slope: 0.0813 $\text{PSig}^2/10^6/\text{cycle}$

Ext. Pressure: 1235.5792 PSig

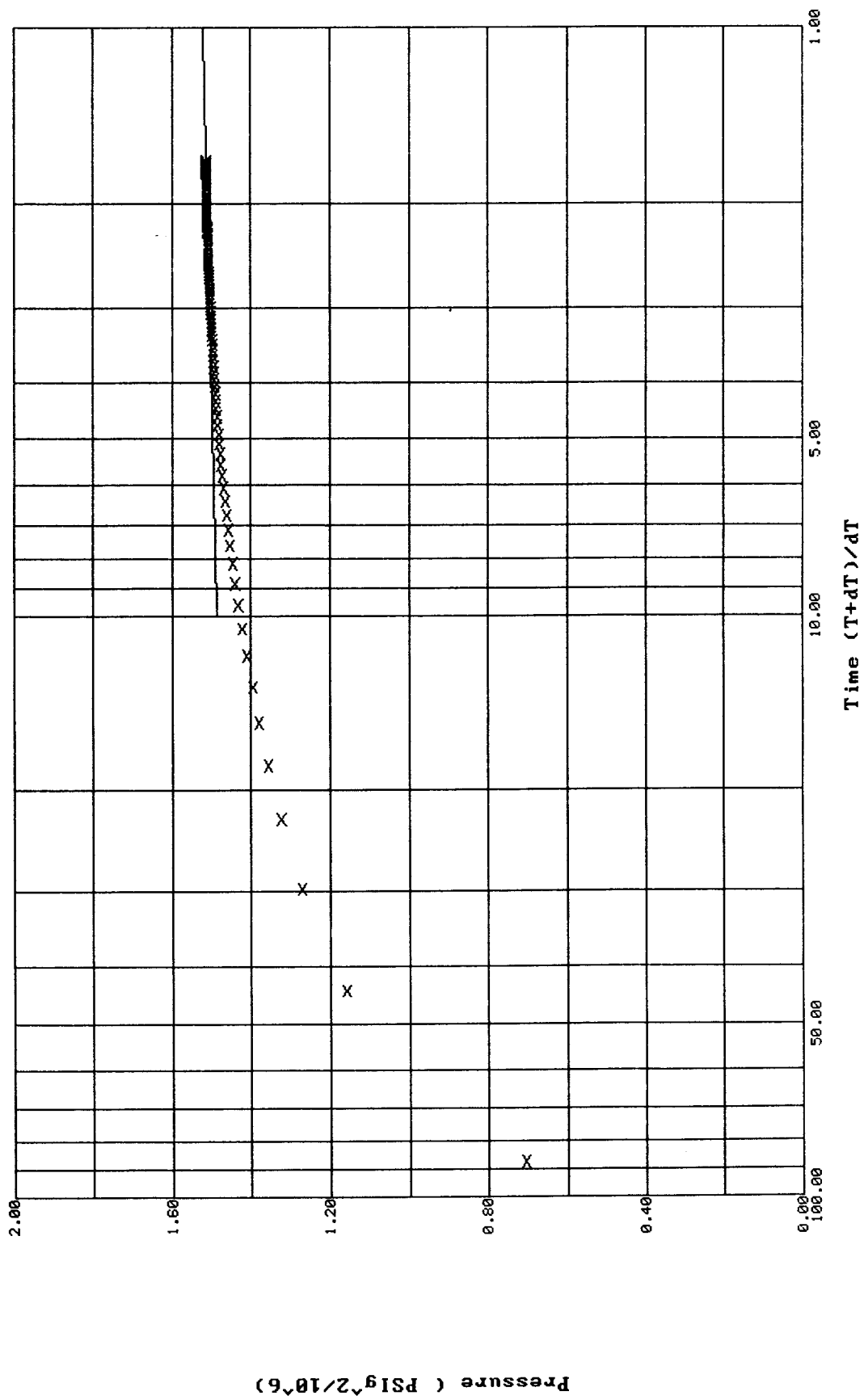


P² Horner Plot: shut-in #2

9288 DST #1 Amanda Jill #1-36 AMOCO PROD CO.

Slope: 0.0364 $\text{PSI}^2/10^6/\text{cycle}$

Ext. Pressure: 1233.8873 PSI



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Amanda Jill #1-36

LOCATION : 36-29S-40W Stanton Cty KS

TICKET No. 9288 D.S.T. No. 1 DATE 9-9-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 29

TOTAL TOOL 56

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 56

D.C. ABOVE TOOLS.Stands12 Single Total 724

D.P. ABOVE TOOLS.Stands60 Single Total 3741

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4521

TOTAL DEPTH 4503

TOTAL DRILL PIPE ABOVE K.B. 18

REMARKS:

P.O. SUB 1' above 120' DC	4327
C.O. SUB 1'	4447
S.I. TOOL 5'	4453
HMV 5'	4458
JARS 5'	4463
SAFETY JOINT 2'	4465
PACKER 5'	4449
PACKER 5'	4474
DEPTH 4474	
STUBB 1'	4475
ANCHOR	
5' perf	4480
Alpine recorder	4480
18' perf	4498
T.C.	
DEPTH	
AK-1 recorder	4498
BULLNOSE 5' bull plug	
T.D.	4503

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9288

Well Name & No.	<u>Amanda Jill #1-36</u>	Test No.	<u>1</u>	Date	<u>9-9-96</u>
Company	<u>Amoco Production Company</u>	Zone Tested	<u>Marmaton</u>		
Address		Elevation	<u>3258</u> KB <u>3238</u> GL		
Co. Rep / Geo.	<u>Sam Carmack/Ken L.</u>	Cont.	<u>Cheyenne #7</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>36</u>	Twp.	<u>29^S</u>	Rge.	<u>40^W</u> Co. <u>Stanton</u> State <u>KS.</u>
No. of Copies	<u> </u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4474 - 4503</u>	Initial Str Wt./Lbs.	<u>90,000</u>	Unseated Str Wt./Lbs.	<u>102,000</u>
Anchor Length	<u>29'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>140,000</u>
Top Packer Depth	<u>4469</u>	Hole Size — 7 7/8"	<u> </u>	Rubber Size — 6 3/4"	<u> </u>
Bottom Packer Depth	<u>4474</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u> </u>		
Total Depth	<u>4503</u>	Drill Collar — 2.25 Ft. Run	<u>4 1/2" XH</u>	<u>724'</u>	
Mud Wt.	<u>9.0</u> LCM <u>1#/bbl</u> Vis. <u>41</u> WL <u>11.2</u>	Drill Pipe Size	<u>4 1/2" XH</u>	Ft. Run	<u>3741'</u>

Blow Description IF: Strong blow off bttm 15 secs. GTS on 3/8" in 13 mins.

ISI: Bled off blow - surface return built to bttm in 15 mins.

FF: Fair to strong blow off bttm in 1 min. Gauged 5" on 3/8"
= 44.2 mcf/day

Recovery — Total Feet	<u>1050'</u>	Ft. in DC	<u>724'</u>	Ft. in WP	<u> </u>	Ft. in DP	<u>326'</u>		
Rec.	<u> </u> Feet Of <u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water	<u> </u>	%mud	<u> </u>
Rec.	<u> </u> Feet Of <u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water	<u> </u>	%mud	<u> </u>
Rec.	<u>1050'</u> Feet Of <u>G.S.W</u>	5 %gas	<u> </u>	%oil	<u>95</u>	%water	<u> </u>	%mud	<u> </u>
Rec.	<u> </u> Feet Of <u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water	<u> </u>	%mud	<u> </u>
Rec.	<u> </u> Feet Of <u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water	<u> </u>	%mud	<u> </u>

BHT 127° °F Gravity °API D@ °F Corrected Gravity °API

RW .23 @ 70° °F Chlorides 30,000 ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud	<u>2129</u>	<u>2173</u> PSI	Recorder No.	<u>13339</u>	T-Started	<u>1930</u>
(B) First Initial Flow Pressure	<u>71</u>	<u>104</u> PSI	@ (depth)	<u>4498</u>	T-Open	<u>2204</u>
(C) First Final Flow Pressure	<u>203</u>	<u>155</u> PSI	Recorder No.	<u>2341</u>	T-Pulled	<u>0234</u>
(D) Initial Shut-in Pressure	<u>1230</u>	<u>1210</u> PSI	@ (depth)	<u>4480</u>	T-Out	<u>0530</u>
(E) Second Initial Flow Pressure	<u>214</u>	<u>228</u> PSI	Recorder No.	<u> </u>		
(F) Second Final Flow Pressure	<u>368</u>	<u>322</u> PSI	@ (depth)	<u> </u>		
(G) Final Shut-in Pressure	<u>1230</u>	<u>1210</u> PSI	Initial Opening	<u>30</u>	Test	<u>600</u>
(H) Final Hydrostatic Mud	<u>2113</u>	<u>2123</u> PSI	Initial Shut-in	<u>60</u>	Jars	<u>X</u> <u>200</u>

Alp. Elec. AK-1

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.

Final Flow	<u>60</u>	Safety Joint	<u>X</u> <u>50</u>
Final Shut-in	<u>120</u>	Straddle	<u> </u>
		Circ. Sub	<u>X</u> <u>N/C</u>
		Sampler	<u> </u>

Approved By

Extra Packer

Elect. Rec. X 150

Other



GAS VOLUME REPORT

41
DST NO.

Remarks:

Gas burns blue flame

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Production Company

DATE 9/13/96

WELL NAME: Amanda Jill #1-36

KB 3251.00 ft

TICKET NO: 9034

DST #2

LOCATION : 36-29S-40W Stanton Cty KS

GR 3238.00 ft

FORMATION: St. Louis

INTERVAL : 5590.00 To 5650.00 ft

TD 5650.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 35 Rec.	11038	11038	3024			PF Fr. 1635 to 1710 hr
SI 60 Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0	IS Fr. 1710 to 1810 hr
SF 20 Clock(hrs)	12	12	Alpin			SF Fr. 1810 to 1830 hr
FS 90 Depth(ft)	5647.0	5647.0	5599.0	0.0	0.0	FS Fr. 1830 to 2000 hr

	Field	1	2	3	4	
A. Init Hydro	2786.0	2830.0	2690.0	0.0	0.0	T STARTED 1345 hr
B. First Flow	650.0	658.0	688.0	0.0	0.0	T ON BOTM 1633 hr
B1. Final Flow	791.0	789.0	806.0	0.0	0.0	T OPEN 1635 hr
C. In Shut-in	1134.0	1139.0	1136.0	0.0	0.0	T PULLED 2000 hr
D. Init Flow	779.0	774.0	733.0	0.0	0.0	T OUT 0045 hr
E. Final Flow	906.0	896.0	889.0	0.0	0.0	
F. Fl Shut-in	1134.0	1139.0	1133.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2760.0	2740.0	2646.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 125000.00 lbs
						Initial Str Wt 100000.00 lbs
						Unseated Str Wt 115000.00 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 636.00 ft
						D.P. Length 4947.00 ft

RECOVERY

Tot Fluid 5583.00 ft of 636.00 ft in DC and 4947.00 ft in DP
Oil to surface
5583.00 ft of Clean gassy oil - 40% gas, 60% oil

SALINITY 0.00 P.P.M. A.P.I. Gravity 44.70

BLOW DESCRIPTION

Initial Flow -
Strong blow, bottom of bucket in 30
seconds; Gas to surface in 4 minutes;
Oil to surface in 30 minutes

Final Flow -
Strong blow, bottom of bucket
immediately.

SAMPLES: Yes
SENT TO: Caraway

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	51.00 S/L
W.L.	7.30 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	20.00 ft
Btm. H. Temp.	139.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out Y	
Tool Chased N	
Tester	TOM HORACEK
Co. Rep.	SAM CARMACK
Contr.	Cheyenne Drlg.
Rig #	7
Unit #	
Pump T.	

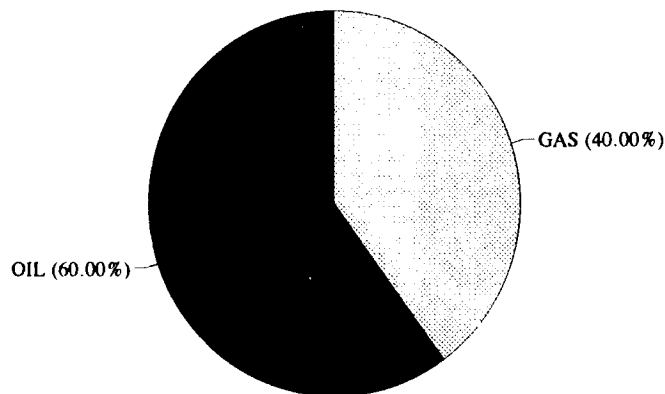
CALCULATED RECOVERY ANALYSIS

DST 2

TICKE 9034

SAMPLE #	TOTAL		GAS		OIL		WATER		MUD	
	FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	4947	40	1978.8	60	2968.2		0		0
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	636	40	254.4	60	381.6		0		0
COLLAR	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		5583		2233.2		3349.8		0		0

BBL OIL = 44.0738 * HRS OPEN 0.92 = BBL/DAY 1149.75
 BBL WATER 0 * = 0
 BBL MUD = 0
 BBL GAS = 29.3826



GAS RECOVERY

OMPANY: Amoco Production Company

DATE: 9/13/96

ELL NAME: Amanda Jill #1-36

KB Elev: 3251.00 ft TICKET #9034 DST #2

ELL LOCATION: 36-29S-40W

GR Elev: 3238.00 ft FORMATION: St. Louis

INTERVAL Fr.: 5590.00 To 5650.00 T.D.: 5650.00 ft TEST TYPE: CONV.

AS RECOVERY MEASURED WITH Merla

**** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
15	0.50	38	0	275000.0
20	0.50	40	0	285000.0
25	0.50	50	0	337000.0
30	0.50	42	0	296000.0

TEST HISTORY

9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

Flag Points

t (Min.) P (PSIG)

A: 0.00 2689.90
 B: 0.00 688.18
 C: 32.00 805.90
 D: 62.00 1135.91
 E: 0.00 733.16
 F: 22.00 889.41
 G: 89.00 1133.19
 Q: 0.00 2646.26

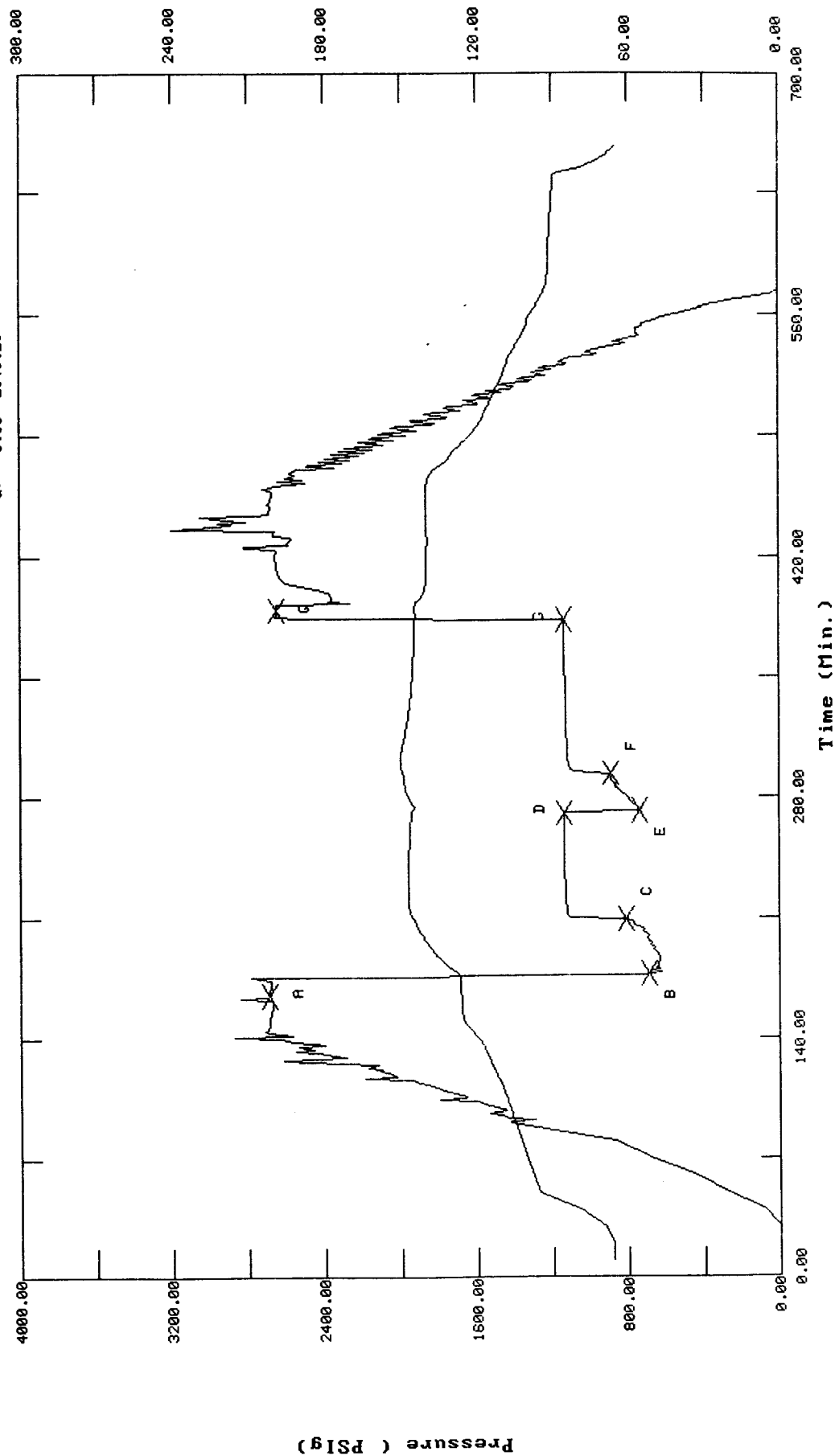
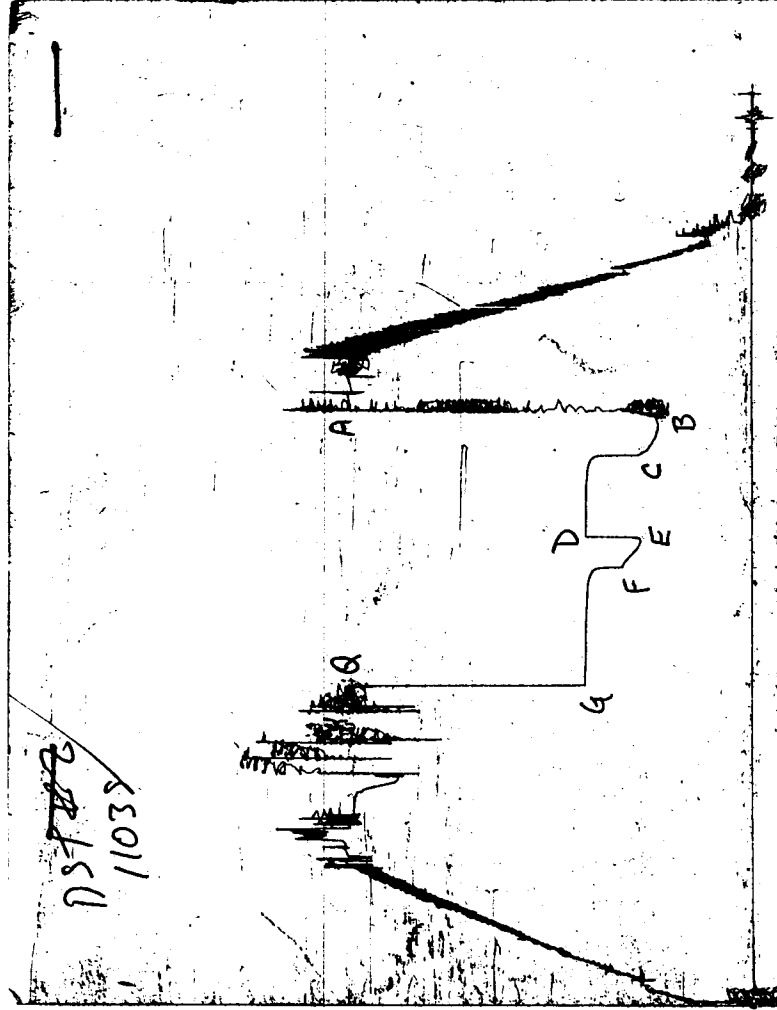


CHART PAGE



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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

DATE: 09/13/96

TIME: 13:30:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	165.00	2689.9	0.0	126.21		
***** Start Flow 1	0.00	688.2	0.0	127.05		
	1.00	618.0	-70.2	127.85		
	2.00	677.4	-10.8	128.76		
	3.00	632.7	-55.5	129.63		
	4.00	644.2	-44.0	130.48		
	5.00	640.0	-48.2	131.46		
	6.00	635.9	-52.3	132.37		
	7.00	628.3	-59.9	133.13		
	8.00	626.0	-62.1	133.79		
	9.00	631.6	-56.6	134.51		
	10.00	631.2	-56.9	135.21		
	11.00	635.4	-52.7	135.86		
	12.00	641.6	-46.6	136.44		
	13.00	645.5	-42.7	136.97		
	14.00	658.7	-29.5	137.45		
	15.00	654.7	-33.5	137.92		
	16.00	667.5	-20.7	138.39		
	17.00	674.0	-14.2	138.86		
	18.00	671.3	-16.9	139.29		
	19.00	683.1	-5.0	139.71		
	20.00	688.6	0.4	140.19		
	21.00	691.7	3.5	140.68		
	22.00	688.4	0.3	141.16		
	23.00	696.8	8.7	141.63		
	24.00	709.8	21.7	142.08		
	25.00	720.2	32.0	142.51		
	26.00	708.7	20.5	142.92		
	27.00	724.2	36.1	143.28		
	28.00	742.3	54.1	143.60		
	29.00	763.2	75.0	143.92		
	30.00	763.6	75.4	144.23		
	31.00	785.7	97.6	144.53		
***** End Flow 1	32.00	805.9	117.7	144.81		
***** Start Shutin 1	0.00	805.9	0.0	144.81	0.0000	0.649
	1.00	1102.1	296.2	145.08	33.0000	1.215
	2.00	1110.8	304.9	145.51	17.0000	1.234
	3.00	1114.3	308.4	145.94	11.6667	1.242
	4.00	1116.3	310.4	146.25	9.0000	1.246
	5.00	1118.1	312.2	146.45	7.4000	1.250
	6.00	1119.5	313.6	146.59	6.3333	1.253
	7.00	1120.6	314.7	146.68	5.5714	1.256
	8.00	1121.7	315.8	146.74	5.0000	1.258
	9.00	1122.6	316.7	146.78	4.5556	1.260
	10.00	1123.4	317.5	146.78	4.2000	1.262
	11.00	1124.1	318.2	146.80	3.9091	1.264
	12.00	1124.8	318.9	146.80	3.6667	1.265
	13.00	1125.5	319.6	146.81	3.4615	1.267
	14.00	1126.2	320.3	146.82	3.2857	1.268
	15.00	1126.8	320.9	146.83	3.1333	1.270
	16.00	1127.4	321.5	146.84	3.0000	1.271

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

DATE: 09/13/96 TIME: 13:30:54

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
17.00	1127.9	322.0	146.85	2.8824	1.272
18.00	1128.4	322.5	146.87	2.7778	1.273
19.00	1128.8	322.9	146.88	2.6842	1.274
20.00	1129.2	323.3	146.88	2.6000	1.275
21.00	1129.6	323.7	146.90	2.5238	1.276
22.00	1129.9	324.0	146.91	2.4545	1.277
23.00	1130.3	324.4	146.90	2.3913	1.278
24.00	1130.5	324.6	146.91	2.3333	1.278
25.00	1130.8	324.9	146.92	2.2800	1.279
26.00	1131.0	325.1	146.92	2.2308	1.279
27.00	1131.3	325.4	146.92	2.1852	1.280
28.00	1131.5	325.6	146.92	2.1429	1.280
29.00	1131.7	325.8	146.91	2.1034	1.281
30.00	1131.9	326.0	146.90	2.0667	1.281
31.00	1132.1	326.2	146.88	2.0323	1.282
32.00	1132.3	326.4	146.88	2.0000	1.282
33.00	1132.5	326.6	146.85	1.9697	1.283
34.00	1132.7	326.8	146.84	1.9412	1.283
35.00	1132.9	327.0	146.82	1.9143	1.283
36.00	1133.1	327.2	146.80	1.8889	1.284
37.00	1133.2	327.3	146.78	1.8649	1.284
38.00	1133.3	327.4	146.76	1.8421	1.284
39.00	1133.5	327.6	146.74	1.8205	1.285
40.00	1133.6	327.7	146.71	1.8000	1.285
41.00	1133.7	327.8	146.68	1.7805	1.285
42.00	1133.9	328.0	146.65	1.7619	1.286
43.00	1134.0	328.1	146.62	1.7442	1.286
44.00	1134.1	328.2	146.59	1.7273	1.286
45.00	1134.2	328.3	146.56	1.7111	1.286
46.00	1134.3	328.4	146.53	1.6957	1.287
47.00	1134.4	328.5	146.49	1.6809	1.287
48.00	1134.6	328.7	146.45	1.6667	1.287
49.00	1134.7	328.8	146.42	1.6531	1.288
50.00	1134.8	328.9	146.38	1.6400	1.288
51.00	1134.9	329.0	146.34	1.6275	1.288
52.00	1135.0	329.1	146.30	1.6154	1.288
53.00	1135.1	329.2	146.25	1.6038	1.288
54.00	1135.2	329.3	146.21	1.5926	1.289
55.00	1135.3	329.4	146.16	1.5818	1.289
56.00	1135.4	329.5	146.12	1.5714	1.289
57.00	1135.5	329.6	146.07	1.5614	1.289
58.00	1135.6	329.7	146.02	1.5517	1.290
59.00	1135.7	329.8	145.97	1.5424	1.290
60.00	1135.8	329.9	145.92	1.5333	1.290
61.00	1135.8	329.9	145.87	1.5246	1.290
62.00	1135.9	330.0	145.83	1.5161	1.290

***** End Shut-in 1

***** Start Flow 2

0.00	733.2	0.0	145.65
1.00	741.3	8.2	145.17
2.00	743.3	10.1	144.83
3.00	753.2	20.0	144.84
4.00	764.0	30.8	145.12

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

DATE: 09/13/96

TIME: 13:30:54

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	5.00	773.1	40.0	145.55		
	6.00	781.8	48.6	146.02		
	7.00	791.0	57.8	146.47		
	8.00	798.5	65.3	146.86		
	9.00	808.2	75.1	147.21		
	10.00	818.4	85.2	147.49		
	11.00	832.8	99.6	147.74		
	12.00	841.1	107.9	147.96		
	13.00	847.9	114.7	148.14		
	14.00	858.1	124.9	148.29		
	15.00	865.6	132.5	148.42		
	16.00	872.6	139.4	148.54		
	17.00	875.8	142.7	148.65		
	18.00	883.5	150.4	148.73		
	19.00	888.7	155.6	148.81		
	20.00	889.6	156.5	148.86		
	21.00	890.7	157.5	148.91		
***** End Flow 2	22.00	889.4	156.3	148.96		
***** Start Shutin 2	0.00	889.4	0.0	148.96	0.0000	0.791
	1.00	1089.8	200.4	149.07	55.0000	1.188
	2.00	1101.0	211.6	149.39	28.0000	1.212
	3.00	1105.1	215.7	149.69	19.0000	1.221
	4.00	1107.9	218.5	149.91	14.5000	1.227
	5.00	1110.0	220.6	150.06	11.8000	1.232
	6.00	1111.7	222.3	150.15	10.0000	1.236
	7.00	1113.1	223.7	150.18	8.7143	1.239
	8.00	1114.3	224.9	150.18	7.7500	1.242
	9.00	1115.4	226.0	150.12	7.0000	1.244
	10.00	1116.3	226.9	150.06	6.4000	1.246
	11.00	1117.1	227.7	149.96	5.9091	1.248
	12.00	1117.9	228.5	149.85	5.5000	1.250
	13.00	1118.6	229.2	149.72	5.1538	1.251
	14.00	1119.2	229.8	149.59	4.8571	1.253
	15.00	1119.8	230.4	149.44	4.6000	1.254
	16.00	1120.3	230.9	149.29	4.3750	1.255
	17.00	1120.8	231.4	149.15	4.1765	1.256
	18.00	1121.3	231.9	149.00	4.0000	1.257
	19.00	1121.8	232.4	148.85	3.8421	1.258
	20.00	1122.2	232.8	148.71	3.7000	1.259
	21.00	1122.6	233.2	148.55	3.5714	1.260
	22.00	1123.0	233.6	148.41	3.4545	1.261
	23.00	1123.4	234.0	148.27	3.3478	1.262
	24.00	1123.7	234.3	148.13	3.2500	1.263
	25.00	1124.1	234.6	147.99	3.1600	1.263
	26.00	1124.4	235.0	147.86	3.0769	1.264
	27.00	1124.7	235.3	147.75	3.0000	1.265
	28.00	1125.0	235.6	147.62	2.9286	1.266
	29.00	1125.3	235.9	147.49	2.8621	1.266
	30.00	1125.5	236.1	147.38	2.8000	1.267
	31.00	1125.8	236.4	147.26	2.7419	1.267
	32.00	1126.1	236.6	147.15	2.6875	1.268

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

DATE: 09/13/96

TIME: 13:30:54

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
33.00	1126.3	236.9	147.04	2.6364	1.268
34.00	1126.5	237.1	146.94	2.5882	1.269
35.00	1126.7	237.3	146.84	2.5429	1.269
36.00	1126.9	237.5	146.74	2.5000	1.270
37.00	1127.1	237.7	146.66	2.4595	1.270
38.00	1127.3	237.9	146.56	2.4211	1.271
39.00	1127.5	238.1	146.47	2.3846	1.271
40.00	1127.7	238.3	146.39	2.3500	1.272
41.00	1127.9	238.5	146.30	2.3171	1.272
42.00	1128.1	238.7	146.22	2.2857	1.273
43.00	1128.3	238.8	146.15	2.2558	1.273
44.00	1128.4	239.0	146.07	2.2273	1.273
45.00	1128.6	239.2	146.00	2.2000	1.274
46.00	1128.8	239.4	145.93	2.1739	1.274
47.00	1128.9	239.5	145.87	2.1489	1.275
48.00	1129.1	239.7	145.80	2.1250	1.275
49.00	1129.2	239.8	145.74	2.1020	1.275
50.00	1129.4	240.0	145.68	2.0800	1.275
51.00	1129.5	240.1	145.62	2.0588	1.276
52.00	1129.7	240.2	145.57	2.0385	1.276
53.00	1129.8	240.4	145.51	2.0189	1.276
54.00	1129.9	240.5	145.47	2.0000	1.277
55.00	1130.1	240.7	145.41	1.9818	1.277
56.00	1130.2	240.8	145.37	1.9643	1.277
57.00	1130.3	240.9	145.32	1.9474	1.278
58.00	1130.5	241.1	145.26	1.9310	1.278
59.00	1130.6	241.2	145.22	1.9153	1.278
60.00	1130.7	241.3	145.17	1.9000	1.278
61.00	1130.8	241.4	145.13	1.8852	1.279
62.00	1130.9	241.5	145.10	1.8710	1.279
63.00	1131.1	241.6	145.05	1.8571	1.279
64.00	1131.2	241.7	145.01	1.8438	1.280
65.00	1131.3	241.9	144.97	1.8308	1.280
66.00	1131.4	242.0	144.93	1.8182	1.280
67.00	1131.5	242.1	144.89	1.8060	1.280
68.00	1131.6	242.2	144.87	1.7941	1.281
69.00	1131.7	242.2	144.83	1.7826	1.281
70.00	1131.8	242.3	144.80	1.7714	1.281
71.00	1131.9	242.4	144.76	1.7606	1.281
72.00	1131.9	242.5	144.73	1.7500	1.281
73.00	1132.0	242.6	144.69	1.7397	1.282
74.00	1132.1	242.7	144.67	1.7297	1.282
75.00	1132.2	242.8	144.64	1.7200	1.282
76.00	1132.3	242.9	144.62	1.7105	1.282
77.00	1132.4	243.0	144.59	1.7013	1.282
78.00	1132.5	243.1	144.57	1.6923	1.282
79.00	1132.5	243.1	144.54	1.6835	1.283
80.00	1132.6	243.2	144.51	1.6750	1.283
81.00	1132.7	243.3	144.47	1.6667	1.283
82.00	1132.7	243.3	144.45	1.6585	1.283
83.00	1132.8	243.4	144.43	1.6506	1.283

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

DATE: 09/13/96 TIME: 13:30:54

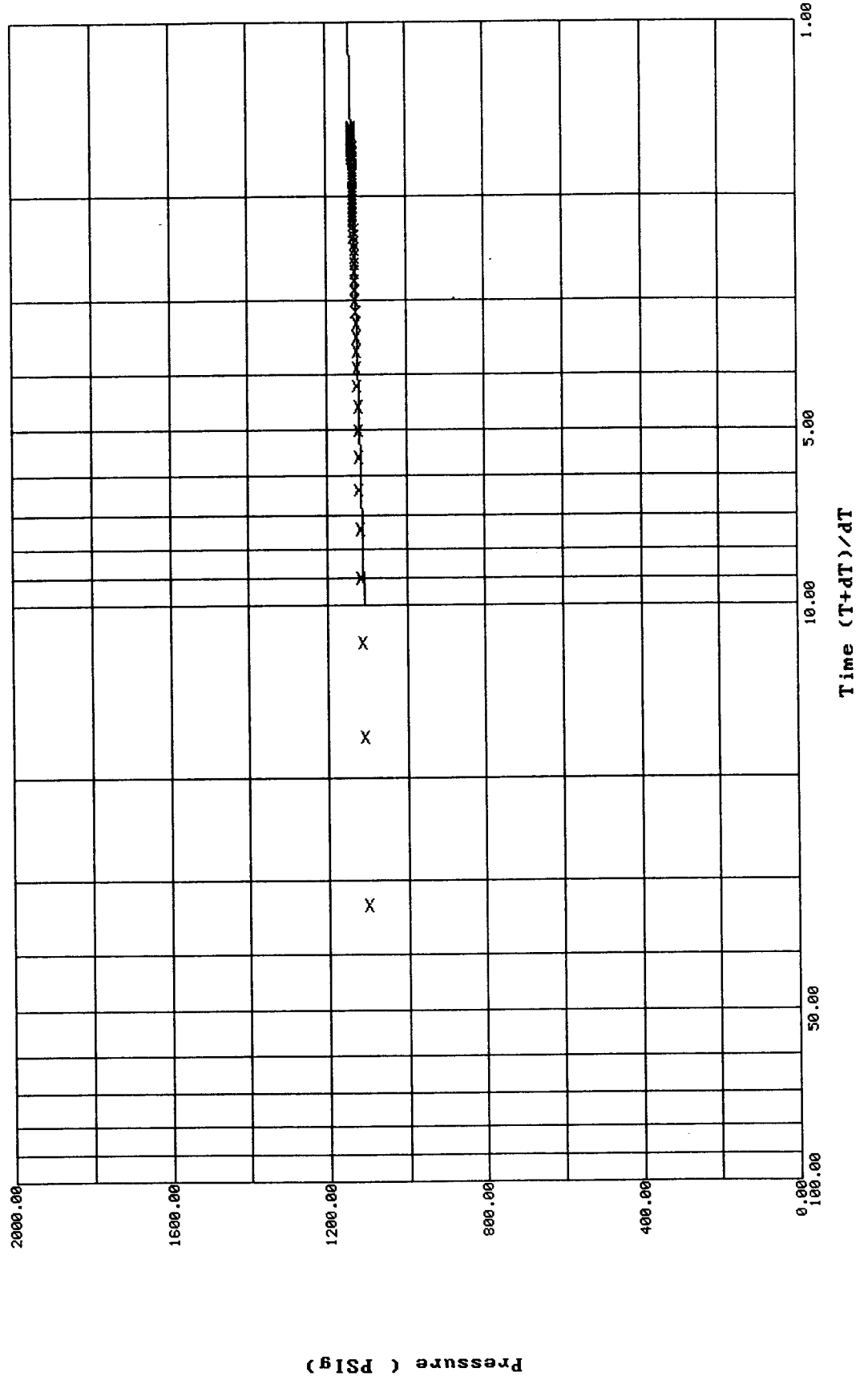
	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	84.00	1132.9	243.5	144.39	1.6429	1.283
	85.00	1133.0	243.6	144.37	1.6353	1.284
	86.00	1133.0	243.6	144.36	1.6279	1.284
	87.00	1133.1	243.7	144.34	1.6207	1.284
	88.00	1133.2	243.8	144.31	1.6136	1.284
***** End Shut-in 2	89.00	1133.2	243.8	144.29	1.6067	1.284
***** Final Hydro.	389.00	2646.3	0.0	144.50		

Horner Plot: shut-in #1

9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

Slope: 33.6380 PSig/cycle

Ext. Pressure: 1142.0028 PSig

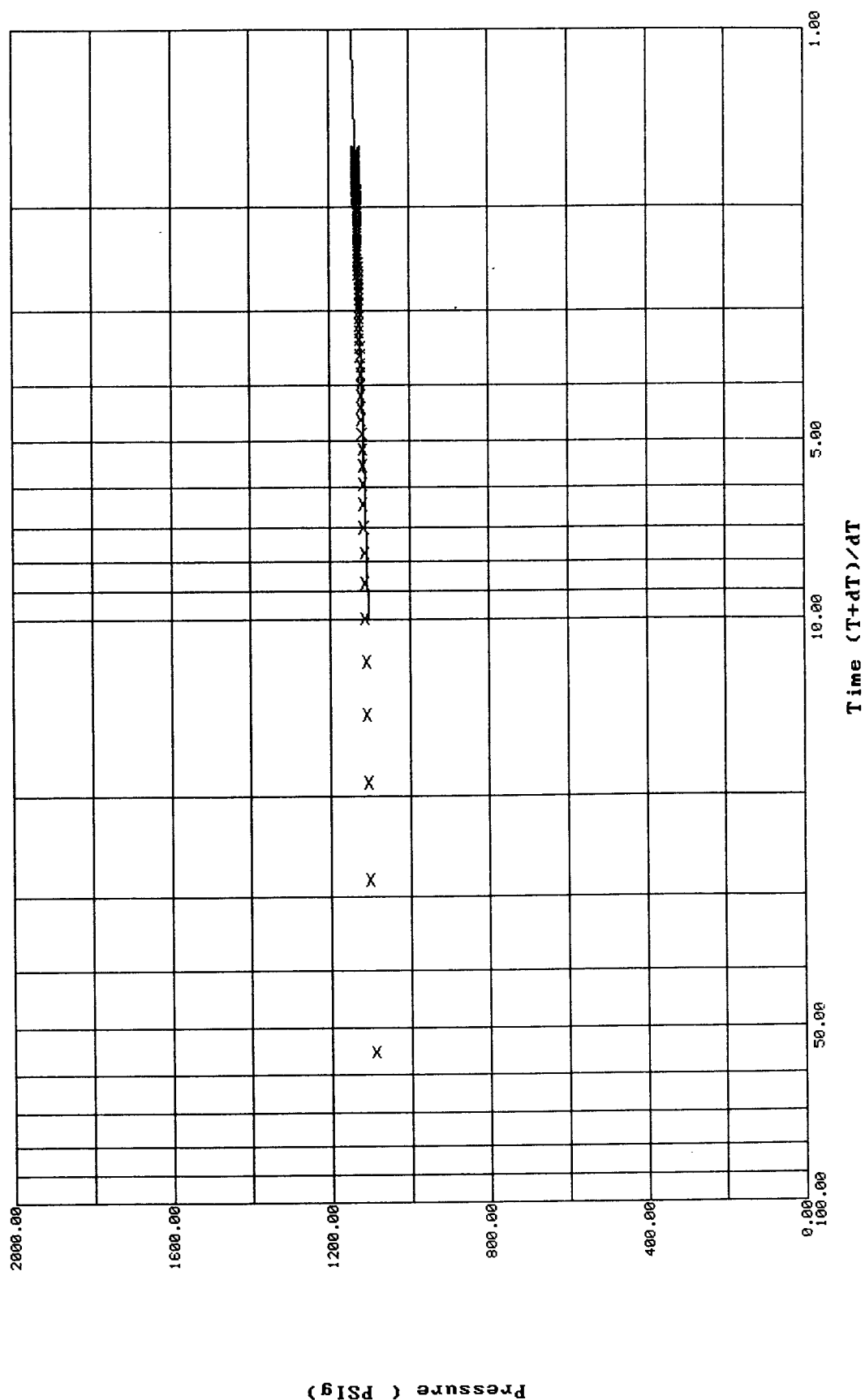


Horner Plot: shut-in #2

9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

Slope: 35.4690 PSig/cycle

Ext. Pressure: 1140.5161 PSig

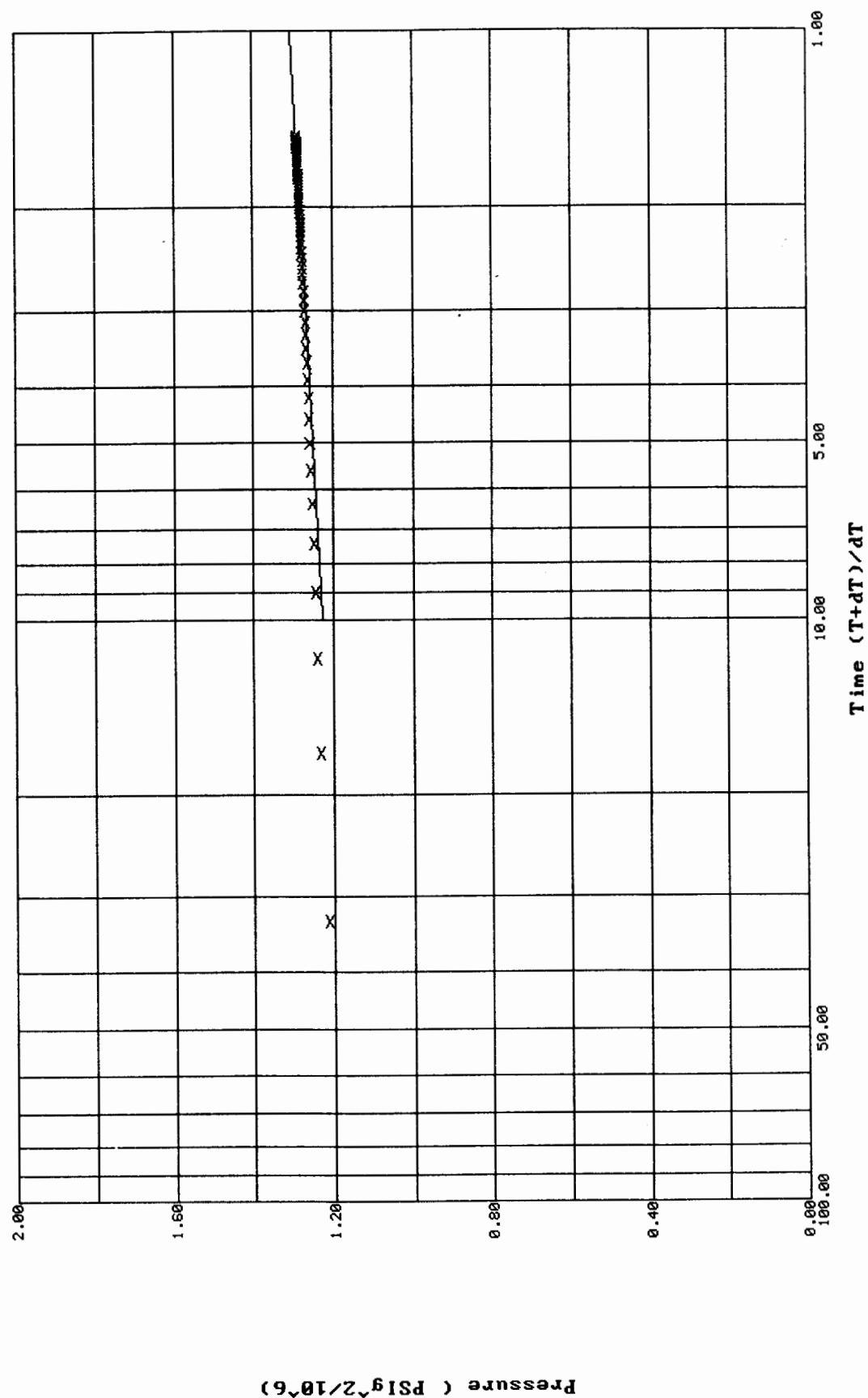


P² Horner Plot: shut-in #1

9834 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

Slope: 0.0769 $\text{PSig}^2/10^6/\text{cycle}$

Ext. Pressure: 1142.0231 PSig

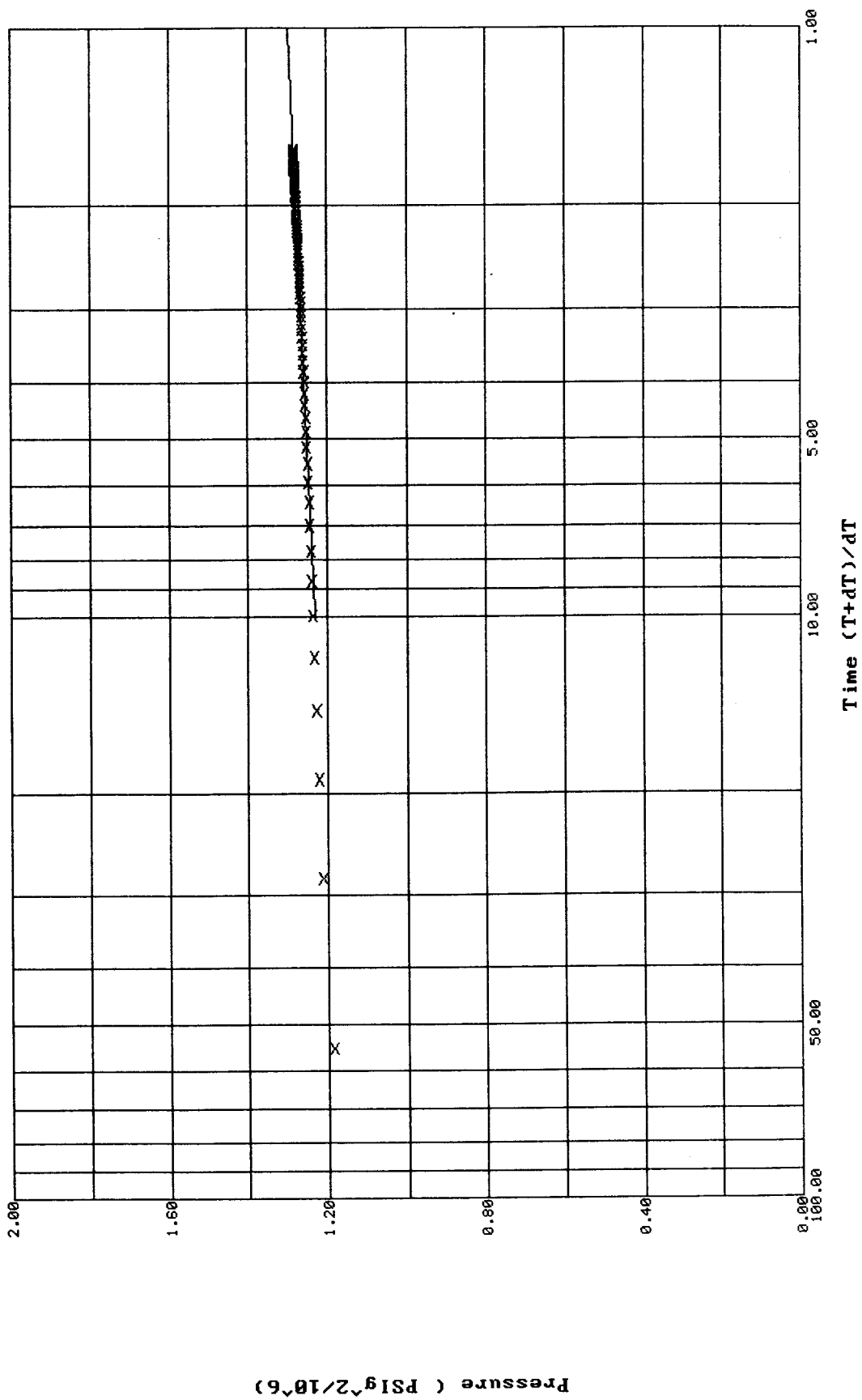


P² Horner Plot: shut-in #2

9034 DST #2 Amanda Jill #1-36 Amoco Prod. Co.

Slope: 0.0646 $\text{PSig}^2/10^6/\text{cycle}$

Ext. Pressure: 1139.0574 PSig



*** TOOL DIAGRAM *** CONV.

WELL NAME: Amanda Jill #1-36

LOCATION : 36-29S-40W Stanton Cty KS

TICKET No. 9034 D.S.T. No. 2 DATE 9/13/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30

TOTAL TOOL 60

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 1 Total 30

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 90

D.C. ABOVE TOOLS.Stands10 Single 1 Total 636

D.P. ABOVE TOOLS.Stands79 Single 1 Total 4947

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5673

TOTAL DEPTH 5650

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:

FLUID SAMPLER DATA

SAMPLER RECOVERY -

Gas 12.7 cu ft, Oil 1600 ml,
Pressure 1000 PSI, Total 4000 ml

PIT MUD ANALYSIS -

Chlorides 1000 ppm, Viscosity 51,
Mud Weight 9.2, Filtrate 7.3, LCM 2#

P.O. SUB	
C.O. SUB	5560
S.I. TOOL	5566
Sampler	5569
HMV Hyd. Tool	5574
JARS	5579
SAFETY JOINT	5581
PACKER	5585
PACKER	5590
DEPTH 5590	
STUBB Perf 3 ft.	5593
ANCHOR Pick up sub 5 ft.	5598
Alpine Rec. @	5599
Perf 5 ft.	5603
Perf 5 ft.	5608
Perf 5 ft.	5613
C.O. sub 1 ft.	5614
T.C.	
DEPTH	
Drill collar 30 ft	5644
C.O. sub 1 ft.	5645
AK-1 recorder	5647
BULLNOSE Bull plug 5 ft.	
T.D.	5650

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9034

Well Name & No. <u>Amanda Sill #1-36</u>	Test No. <u>#2</u>	Date <u>9-13-96</u>
Company <u>Amoco Prod. Com.</u>	Zone Tested <u>St. Louis</u>	
Address _____	Elevation <u>3251</u> KB <u>3238</u> GL	
Co. Rep / Geo. <u>Sam Carmack</u>	Cont. <u>Cheyenne Dry #2</u>	Est. Ft. of Pay <u>17</u> Por. <u> </u> %
Location: Sec. <u>36</u> Twp. <u>29 S</u> Rge. <u>40 W</u>	Co. <u>Stanton</u>	State <u>Ks.</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5590-5650</u>	Initial Str Wt./Lbs. <u>100,000</u>	Unseated Str Wt./Lbs. <u>115,000</u>
Anchor Length <u>60'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>125,000</u>
Top Packer Depth <u>5585</u>	Hole Size — 7 7/8" _____	Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>5590</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____	
Total Depth <u>5650</u>	Drill Collar — 2.25 Ft. Run <u>636'</u>	
Mud Wt. <u>9.2</u> LCM <u>2</u> Vis. <u>51</u> WL <u>7.3</u>	Drill Pipe Size <u>4.5x-46k</u>	Ft. Run <u>4947'</u>
Blow Description <u>1st. Strong blow - B.O.B. 30 sec.</u>		
<u>Gas to surface 4 min. { Oil to surface 30 min }</u>		
<u>2nd strong blow - B.O.B. Immediately</u>		

Recovery — Total Feet <u>5583'</u>	Ft. in DC <u>636'</u>	Ft. in WP <u>90'</u>	Ft. in DP <u>4947'</u>
Rec. _____ Feet Of <u>Oil to surface</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. <u>5583'</u> Feet Of <u>CGO</u>	40 %gas <u>60</u> %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 139 °F Gravity 45 °API D@ 64 °F Corrected Gravity 44.7 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud <u>2869</u> <u>2786</u> PSI	Recorder No. <u>3024</u>	T-Started <u>1345</u>
(B) First Initial Flow Pressure <u>626</u> <u>650</u> PSI	@ (depth) <u>5599</u>	T-Open <u>1635</u>
(C) First Final Flow Pressure <u>785</u> <u>791</u> PSI	Recorder No. <u>11038</u>	T-Pulled <u>2000</u>
(D) Initial Shut-in Pressure <u>1135</u> <u>1134</u> PSI	@ (depth) <u>5647</u>	T-Out <u>0045</u>
(E) Second Initial Flow Pressure <u>733</u> <u>779</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>889</u> <u>906</u> PSI	@ (depth) _____	
(G) Final Shut-in Pressure <u>1133</u> <u>1134</u> PSI	Initial Opening <u>35 m.h.</u>	Test <u>X</u>
(H) Final Hydrostatic Mud <u>2718</u> <u>2760</u> PSI	Initial Shut-in <u>60 m.h.</u>	Jars <u>X</u>

Alpine AK-1

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.

Final Flow <u>20 m.h.</u>	Safety Joint <u>X</u>
Final Shut-in <u>90 min.</u>	Straddle _____
	Circ. Sub <u>X Drop Bar</u>
	Sampler <u>X</u>
	Extra Packer _____
	Elect. Rec. <u>X</u>
	Other _____

Approved By _____

T. H. . . .

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 9034 Date 9-13-96
Company Name Amoro Prod Co.
Lease Amanda Jill 4/36 Test No. #2
County Stanton KS Sec. 36 Twp. 29 S Rng. 40 W

SAMPLER RECOVERY

Gas 12.7 cubic ft. ML
Oil 1600 ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 1000 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 1000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 51
Mud Weight 9.2
Filtrate 7.3
Other 2 cm 2 #

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.



GAS VOLUME REPORT

Amanda Jill #1-36 ✓

DST NO

Remarks:

GTS in 4 min.