

**WELL NAME:** Jay Morris  
**COMPANY:** Amoco Production Company  
**LOCATION:** Sec. 8 Twp. 30 Rge. 38  
Stanton County Kansas  
**DATE:** 03/05/97

TRILOBITE TESTING L.L.C.

OPERATOR : Amoco Prod. DATE 3-2-97  
 WELL NAME: Jay Morris KB 3231.00 ft TICKET NO: 9638 DST #1  
 LOCATION : 8-30-38 GR 3219.00 ft FORMATION: Morrow  
 INTERVAL : 5638.00 To 5690.00 ft TD 5690.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057		2342			PF Fr. 1748 to 1818 hr
SI 60 Range(Psi )	4500.0	0.0	4995.0	0.0	0.0	IS Fr. 1818 to 1918 hr
SF 120 Clock(hrs)	12 HR		Elec			SF Fr. 1918 to 2118 hr
FS 120 Depth(ft )	5685.0	0.0	5654.0	0.0	0.0	FS Fr. 2118 to 2318 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2705.0	0.0	0.0	T STARTED 1546 hr
B. First Flow	0.0	0.0	178.0	0.0	0.0	T ON BOTM 1744 hr
B1. Final Flow	0.0	0.0	244.0	0.0	0.0	T OPEN 1748 hr
C. In Shut-in	0.0	0.0	1242.0	0.0	0.0	T PULLED 2318 hr
D. Init Flow	0.0	0.0	207.0	0.0	0.0	T OUT 0250 hr
E. Final Flow	0.0	0.0	334.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1199.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2652.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	0		I			Wt Set On Packer 27000.00 lbs
						Wt Pulled Loose 127000.00 lbs
						Initial Str Wt 90000.00 lbs
						Unseated Str Wt 90000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 0.00 in
						D.C. Length 677.00 ft
						D.P. Length 4971.00 ft

RECOVERY

Tot Fluid 770.00 ft of 677.00 ft in DC and 93.00 ft in DP  
 93.00 ft of Slightly Gassy Mud  
 0.00 ft of 5%gas 95%mud  
 677.00 ft of Drilling Mud 100%mud  
 0.00 ft of  
 SALINITY 1200.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Bottom of bucket at gas to surface  
 in 13.5 min.

Initial Shut In:  
 Bled off blow for 15 min, return in  
 2 min, built to 1/2".

Final Flow:  
 Bottom of bucket at open gauging gas

Final Shut In:  
 Bled off blow for 27 min, weak return  
 in 3 min, built to 1/4".

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/c
Vis.	65.00 S/L
W.L.	7.70 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	136.00 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.	Ken LeBlanc
Contr.	Cheyenne
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV.

WELL NAME: Jay Morris

LOCATION : 8-30-38

TICKET No. 9638 D.S.T. No. 1 DATE 3-2-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 21

TOTAL TOOL ..... 51

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY ..... 82

D.C. ABOVE TOOLS.Stands11 Single 1 Total 677

D.P. ABOVE TOOLS.Stands80 Single 1 Total 4940

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5699

TOTAL DEPTH ..... 5690

TOTAL DRILL PIPE ABOVE K.B. .... 9

REMARKS:

GAS; .8 cubic feet

OIL;

WATER;

MUD; 3,000

PRESSURE; 750 psi

TOTAL; 3,000 ML

Chlorides in sampler 1,200

P.O. SUB	
C.O. SUB 1'	5608
S.I. TOOL 5'	5614
sampler 3'	5617
HMV 5'	5622
JARS 5'	5627
SAFETY JOINT 2'	5629
PACKER top	5633
PACKER bottom	5638
DEPTH 5638	
STUBB 1'	5639
ANCHOR 15' perf	5654
Alpine rec.@ 5654	
T.C. DEPTH	
31' drillpipe	5685
Ak-1 rec. @ 5685	
BULLNOSE 5' bullplug	5690
T.D.	5690



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9638 J Morris Amoco Prod.  
 DATE: 03/02/97 TIME: 15:49:35

	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	121.00	2705.5	0.0	120.39		
***** Start Flow 1	0.00	178.1	0.0	121.87		
	1.00	181.4	3.4	122.12		
	2.00	182.1	4.0	122.40		
	3.00	187.5	9.4	122.72		
	4.00	189.8	11.7	123.07		
	5.00	193.9	15.9	123.49		
	6.00	196.4	18.3	123.95		
	7.00	199.2	21.1	124.44		
	8.00	202.4	24.3	124.95		
	9.00	205.8	27.7	125.47		
	10.00	210.2	32.1	125.96		
	11.00	213.8	35.8	126.43		
	12.00	213.6	35.5	126.87		
	13.00	216.4	38.3	127.29		
	14.00	218.9	40.8	127.69		
	15.00	222.6	44.5	128.07		
	16.00	222.0	43.9	128.44		
	17.00	225.2	47.1	128.78		
	18.00	223.7	45.7	129.11		
	19.00	225.8	47.7	129.44		
	20.00	228.4	50.4	129.75		
	21.00	233.1	55.0	130.04		
	22.00	234.7	56.7	130.32		
	23.00	236.5	58.4	130.59		
	24.00	238.1	60.0	130.84		
	25.00	240.8	62.7	131.07		
***** End Flow 1	26.00	244.6	66.5	131.30		
***** Start Shutin 1	0.00	244.6	0.0	131.30	0.0000	0.060
	1.00	288.9	44.3	131.52	27.0000	0.083
	2.00	727.7	483.2	131.75	14.0000	0.530
	3.00	869.1	624.6	131.97	9.6667	0.755
	4.00	950.5	705.9	132.19	7.5000	0.903
	5.00	1007.3	762.7	132.41	6.2000	1.015
	6.00	1051.8	807.2	132.62	5.3333	1.106
	7.00	1085.9	841.4	132.82	4.7143	1.179
	8.00	1112.8	868.2	133.01	4.2500	1.238
	9.00	1133.9	889.3	133.19	3.8889	1.286
	10.00	1150.4	905.8	133.35	3.6000	1.323
	11.00	1163.1	918.5	133.50	3.3636	1.353
	12.00	1172.6	928.1	133.64	3.1667	1.375
	13.00	1179.8	935.3	133.79	3.0000	1.392
	14.00	1185.1	940.6	133.90	2.8571	1.405
	15.00	1189.3	944.8	134.03	2.7333	1.415
	16.00	1192.3	947.7	134.15	2.6250	1.422
	17.00	1194.5	950.0	134.25	2.5294	1.427
	18.00	1196.1	951.6	134.35	2.4444	1.431
	19.00	1197.5	952.9	134.44	2.3684	1.434
	20.00	1198.6	954.0	134.54	2.3000	1.437
	21.00	1199.5	954.9	134.63	2.2381	1.439
	22.00	1200.7	956.1	134.70	2.1818	1.442

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23.00	1202.1	957.5	134.78	2.1304	1.445.
24.00	1203.5	959.0	134.85	2.0833	1.448
25.00	1205.3	960.7	134.92	2.0400	1.453
26.00	1207.0	962.5	134.99	2.0000	1.457
27.00	1208.7	964.2	135.05	1.9630	1.461
28.00	1210.5	965.9	135.12	1.9286	1.465
29.00	1212.2	967.6	135.18	1.8966	1.469
30.00	1213.7	969.1	135.23	1.8667	1.473
31.00	1215.2	970.6	135.29	1.8387	1.477
32.00	1216.7	972.1	135.34	1.8125	1.480
33.00	1218.1	973.6	135.39	1.7879	1.484
34.00	1219.5	974.9	135.43	1.7647	1.487
35.00	1220.9	976.3	135.48	1.7429	1.491
36.00	1222.1	977.6	135.53	1.7222	1.494
37.00	1223.5	978.9	135.52	1.7027	1.497
38.00	1224.7	980.1	135.60	1.6842	1.500
39.00	1225.9	981.4	135.65	1.6667	1.503
40.00	1227.1	982.5	135.69	1.6500	1.506
41.00	1228.1	983.6	135.72	1.6341	1.508
42.00	1229.2	984.6	135.76	1.6190	1.511
43.00	1230.1	985.6	135.78	1.6047	1.513
44.00	1231.1	986.6	135.82	1.5909	1.516
45.00	1232.1	987.5	135.84	1.5778	1.518
46.00	1232.7	988.2	135.88	1.5652	1.520
47.00	1233.4	988.8	135.90	1.5532	1.521
48.00	1234.0	989.4	135.94	1.5417	1.523
49.00	1234.7	990.2	135.95	1.5306	1.525
50.00	1235.6	991.0	135.99	1.5200	1.527
51.00	1236.4	991.9	136.02	1.5098	1.529
52.00	1237.1	992.5	136.05	1.5000	1.530
53.00	1237.8	993.3	136.07	1.4906	1.532
54.00	1238.5	994.0	136.09	1.4815	1.534
55.00	1239.0	994.5	136.11	1.4727	1.535
56.00	1239.6	995.0	136.12	1.4643	1.537
57.00	1240.1	995.6	136.15	1.4561	1.538
58.00	1240.6	996.1	136.17	1.4483	1.539
59.00	1241.2	996.6	136.19	1.4407	1.541
60.00	1241.8	997.2	136.21	1.4333	1.542
***** End Shut-in 1					
***** Start Flow 2	0.00	207.1	0.0	136.19	
	1.00	207.7	0.6	136.19	
	2.00	209.0	1.8	136.21	
	3.00	212.1	5.0	136.21	
	4.00	214.1	7.0	136.22	
	5.00	218.0	10.8	136.22	
	6.00	217.1	10	136.21	
	7.00	221.1	13.9	136.22	
	8.00	222.3	15.2	136.21	
	9.00	226.0	18.9	136.21	
	10.00	226.2	19.1	136.20	
	11.00	225.8	18.7	136.19	
	12.00	227.9	20.8	136.19	

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13.00	226.4	19.3	136.18		
14.00	227.8	20.6	136.18		
15.00	229.4	22.2	136.17		
16.00	231.4	24.3	136.16		
17.00	231.4	24.3	136.15		
18.00	231.3	24.2	136.14		
19.00	235.5	28.4	136.13		
20.00	232.3	25.2	136.12		
21.00	237.2	30.0	136.10		
22.00	237.1	30.0	136.08		
23.00	236.8	29.7	136.07		
24.00	238.9	31.8	136.06		
25.00	241.0	33.9	136.04		
26.00	242.5	35.3	136.02		
27.00	242.2	35.1	136.00		
28.00	243.3	36.2	135.99		
29.00	248.2	41.1	135.97		
30.00	249.8	42.7	135.95		
31.00	250.7	43.6	135.92		
32.00	250.7	43.6	135.91		
33.00	249.9	42.8	135.88		
34.00	250.7	43.6	135.85		
35.00	252.9	45.8	135.83		
36.00	253.5	46.3	135.80		
37.00	256.6	49.4	135.77		
38.00	259.0	51.9	135.74		
39.00	258.1	50.9	135.71		
40.00	260.1	53.0	135.67		
41.00	259.2	52.0	135.64		
42.00	262.3	55.1	135.61		
43.00	266.5	59.3	135.57		
44.00	262.3	55.2	135.53		
45.00	266.7	59.6	135.49		
46.00	268.4	61.3	135.45		
47.00	268.1	60.9	135.41		
48.00	272.0	64.9	135.37		
49.00	272.5	65.4	135.32		
50.00	271.5	64.4	135.28		
51.00	275.6	68.5	135.24		
52.00	274.3	67.1	135.19		
53.00	275.9	68.8	135.14		
54.00	276.7	69.6	135.10		
55.00	277.8	70.7	135.05		
56.00	278.5	71.3	135.01		
57.00	283.2	76.0	134.96		
58.00	283.1	76.0	134.91		
59.00	282.7	75.5	134.86		
60.00	283.7	76.5	134.82		
61.00	285.8	78.6	134.76		
62.00	286.8	79.6	134.72		
63.00	290.8	83.7	134.66		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9638 J Morris Amoco Prod.

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Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
64.00	290.1	83.0	134.62		
65.00	293.7	86.5	134.57		
66.00	291.2	84.1	134.52		
67.00	294.7	87.6	134.47		
68.00	294.5	87.4	134.42		
69.00	295.5	88.4	134.36		
70.00	295.9	88.8	134.32		
71.00	299.6	92.5	134.27		
72.00	299.6	92.5	134.22		
73.00	294.2	87.1	134.17		
74.00	301.7	94.6	134.12		
75.00	302.6	95.5	134.07		
76.00	301.5	94.3	134.01		
77.00	302.0	94.9	133.96		
78.00	305.0	97.9	133.91		
79.00	306.3	99.2	133.86		
80.00	305.3	98.2	133.81		
81.00	306.6	99.5	133.76		
82.00	308.3	101.1	133.72		
83.00	308.7	101.6	133.68		
84.00	310.8	103.7	133.62		
85.00	307.6	100.5	133.58		
86.00	313.9	106.8	133.52		
87.00	311.1	104.0	133.48		
88.00	311.6	104.5	133.43		
89.00	313.0	105.9	133.39		
90.00	312.3	105.2	133.34		
91.00	315.1	108.0	133.29		
92.00	316.1	109.0	133.25		
93.00	316.0	108.9	133.20		
94.00	319.2	112.0	133.16		
95.00	316.7	109.5	133.12		
96.00	319.2	112.0	133.08		
97.00	321.0	113.9	133.03		
98.00	321.6	114.5	132.98		
99.00	321.7	114.6	132.95		
100.00	322.9	115.8	132.90		
101.00	323.4	116.3	132.86		
102.00	325.0	117.9	132.83		
103.00	325.2	118.1	132.78		
104.00	326.3	119.2	132.74		
105.00	326.6	119.5	132.70		
106.00	328.7	121.6	132.66		
107.00	327.6	120.5	132.62		
108.00	329.2	122.0	132.58		
109.00	330.5	123.4	132.54		
110.00	329.8	122.7	132.51		
111.00	330.7	123.5	132.47		
112.00	330.5	123.4	132.43		
113.00	333.4	126.2	132.40		
114.00	331.5	124.4	132.36		

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	Time	Pressure PSI <sub>g</sub>	delta P PSI <sub>g</sub>	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** End Flow 2	115.00	334.0	126.9	132.32		
***** Start Shutin 2	0.00	334.0	0.0	132.32	0.0000	0.112
	1.00	900.3	566.3	132.32	142.0000	0.811
	2.00	1037.9	703.9	132.31	71.5000	1.077
	3.00	1098.9	764.8	132.31	48.0000	1.207
	4.00	1128.7	794.7	132.31	36.2500	1.274
	5.00	1144.8	810.7	132.31	29.2000	1.310
	6.00	1154.5	820.5	132.32	24.5000	1.333
	7.00	1161.1	827.1	132.32	21.1429	1.348
	8.00	1165.9	831.9	132.32	18.6250	1.359
	9.00	1169.6	835.6	132.33	16.6667	1.368
	10.00	1172.7	838.7	132.32	15.1000	1.375
	11.00	1175.4	841.4	132.33	13.8182	1.382
	12.00	1177.8	843.7	132.33	12.7500	1.387
	13.00	1179.6	845.6	132.34	11.8462	1.391
	14.00	1181.2	847.2	132.35	11.0714	1.395
	15.00	1182.5	848.5	132.37	10.4000	1.398
	16.00	1183.8	849.8	132.36	9.8125	1.401
	17.00	1184.7	850.7	132.36	9.2941	1.404
	18.00	1185.6	851.6	132.37	8.8333	1.406
	19.00	1186.6	852.5	132.39	8.4211	1.408
	20.00	1187.2	853.2	132.40	8.0500	1.410
	21.00	1187.9	853.9	132.41	7.7143	1.411
	22.00	1188.6	854.6	132.42	7.4091	1.413
	23.00	1189.1	855.1	132.42	7.1304	1.414
	24.00	1189.7	855.6	132.43	6.8750	1.415
	25.00	1190.1	856.1	132.45	6.6400	1.416
	26.00	1190.5	856.5	132.45	6.4231	1.417
	27.00	1190.9	856.9	132.46	6.2222	1.418
	28.00	1191.3	857.3	132.47	6.0357	1.419
	29.00	1191.7	857.7	132.49	5.8621	1.420
	30.00	1192.0	858.0	132.49	5.7000	1.421
	31.00	1192.4	858.3	132.50	5.5484	1.422
	32.00	1192.5	858.5	132.51	5.4062	1.422
	33.00	1192.9	858.8	132.52	5.2727	1.423
	34.00	1193.0	859.0	132.53	5.1471	1.423
	35.00	1193.4	859.3	132.55	5.0286	1.424
	36.00	1193.5	859.5	132.56	4.9167	1.425
	37.00	1193.8	859.8	132.58	4.8108	1.425
	38.00	1193.9	859.9	132.60	4.7105	1.426
	39.00	1194.1	860.1	132.60	4.6154	1.426
	40.00	1194.4	860.3	132.62	4.5250	1.427
	41.00	1194.5	860.4	132.64	4.4390	1.427
	42.00	1194.6	860.6	132.65	4.3571	1.427
	43.00	1194.8	860.8	132.66	4.2791	1.428
	44.00	1195.0	860.9	132.68	4.2045	1.428
	45.00	1195.0	860.9	132.69	4.1333	1.428
	46.00	1195.2	861.2	132.72	4.0652	1.429
	47.00	1195.3	861.3	132.73	4.0000	1.429
	48.00	1195.5	861.4	132.75	3.9375	1.429
	49.00	1195.5	861.5	132.78	3.8776	1.429

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50.00	1195.8	861.8	132.78	3.8200	1.430
51.00	1195.9	861.9	132.80	3.7647	1.430
52.00	1196.0	862.0	132.82	3.7115	1.431
53.00	1196.2	862.2	132.83	3.6604	1.431
54.00	1196.2	862.2	132.85	3.6111	1.431
55.00	1196.4	862.4	132.87	3.5636	1.431
56.00	1196.5	862.4	132.89	3.5179	1.432
57.00	1196.6	862.5	132.90	3.4737	1.432
58.00	1196.6	862.6	132.91	3.4310	1.432
59.00	1196.7	862.7	132.94	3.3898	1.432
60.00	1196.8	862.8	132.95	3.3500	1.432
61.00	1197.0	862.9	132.97	3.3115	1.433
62.00	1197.1	863.0	132.98	3.2742	1.433
63.00	1197.2	863.1	133.01	3.2381	1.433
64.00	1197.2	863.1	133.02	3.2031	1.433
65.00	1197.2	863.1	133.04	3.1692	1.433
66.00	1197.3	863.2	133.05	3.1364	1.433
67.00	1197.3	863.3	133.08	3.1045	1.434
68.00	1197.4	863.4	133.10	3.0735	1.434
69.00	1197.4	863.4	133.12	3.0435	1.434
70.00	1197.5	863.5	133.11	3.0143	1.434
71.00	1197.6	863.6	133.13	2.9859	1.434
72.00	1197.6	863.6	133.16	2.9583	1.434
73.00	1197.8	863.7	133.17	2.9315	1.435
74.00	1197.8	863.8	133.20	2.9054	1.435
75.00	1197.8	863.8	133.21	2.8800	1.435
76.00	1197.9	863.9	133.23	2.8553	1.435
77.00	1197.9	863.9	133.25	2.8312	1.435
78.00	1198.0	864.0	133.26	2.8077	1.435
79.00	1198.2	864.2	133.28	2.7848	1.436
80.00	1198.2	864.2	133.31	2.7625	1.436
81.00	1198.3	864.2	133.32	2.7407	1.436
82.00	1198.3	864.2	133.34	2.7195	1.436
83.00	1198.3	864.3	133.36	2.6988	1.436
84.00	1198.3	864.3	133.38	2.6786	1.436
85.00	1198.3	864.3	133.41	2.6588	1.436
86.00	1198.4	864.4	133.42	2.6395	1.436
87.00	1198.4	864.4	133.43	2.6207	1.436
88.00	1198.4	864.4	133.45	2.6023	1.436
89.00	1198.5	864.5	133.47	2.5843	1.436
90.00	1198.6	864.6	133.49	2.5667	1.437
91.00	1198.6	864.6	133.51	2.5495	1.437
92.00	1198.6	864.6	133.54	2.5326	1.437
93.00	1198.6	864.6	133.55	2.5161	1.437
94.00	1198.7	864.7	133.57	2.5000	1.437
95.00	1198.8	864.8	133.59	2.4842	1.437
96.00	1198.8	864.8	133.61	2.4688	1.437
97.00	1198.9	864.9	133.62	2.4536	1.437
98.00	1198.9	864.9	133.64	2.4388	1.437
99.00	1199.0	865.0	133.67	2.4242	1.438
100.00	1199.0	865.0	133.68	2.4100	1.438

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 9638 J Morris Amoco Prod.  
 DATE: 03/02/97 TIME: 15:49:35  
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	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>	
	101.00	1199.0	865.0	133.71	2.3960	1.438	
	102.00	1199.0	865.0	133.73	2.3824	1.438	
	103.00	1199.0	865.0	133.75	2.3689	1.438	
	104.00	1199.1	865.1	133.77	2.3558	1.438	
	105.00	1199.1	865.1	133.79	2.3429	1.438	
	106.00	1199.1	865.1	133.81	2.3302	1.438	
	107.00	1199.1	865.1	133.84	2.3178	1.438	
	108.00	1199.2	865.2	133.86	2.3056	1.438	
	109.00	1199.2	865.2	133.87	2.2936	1.438	
	110.00	1199.3	865.2	133.89	2.2818	1.438	
	111.00	1199.3	865.2	133.92	2.2703	1.438	
	112.00	1199.3	865.2	133.93	2.2589	1.438	
	113.00	1199.2	865.2	133.96	2.2478	1.438	
	114.00	1199.4	865.3	133.97	2.2368	1.438	
	115.00	1199.4	865.3	134.00	2.2261	1.438	
	116.00	1199.4	865.3	134.02	2.2155	1.438	
	117.00	1199.4	865.3	134.04	2.2051	1.438	
*****	End Shut-in 2	118.00	1199.4	865.3	134.06	2.1949	1.438
*****	Final Hydro.	452.00	2651.6	0.0	134.26		

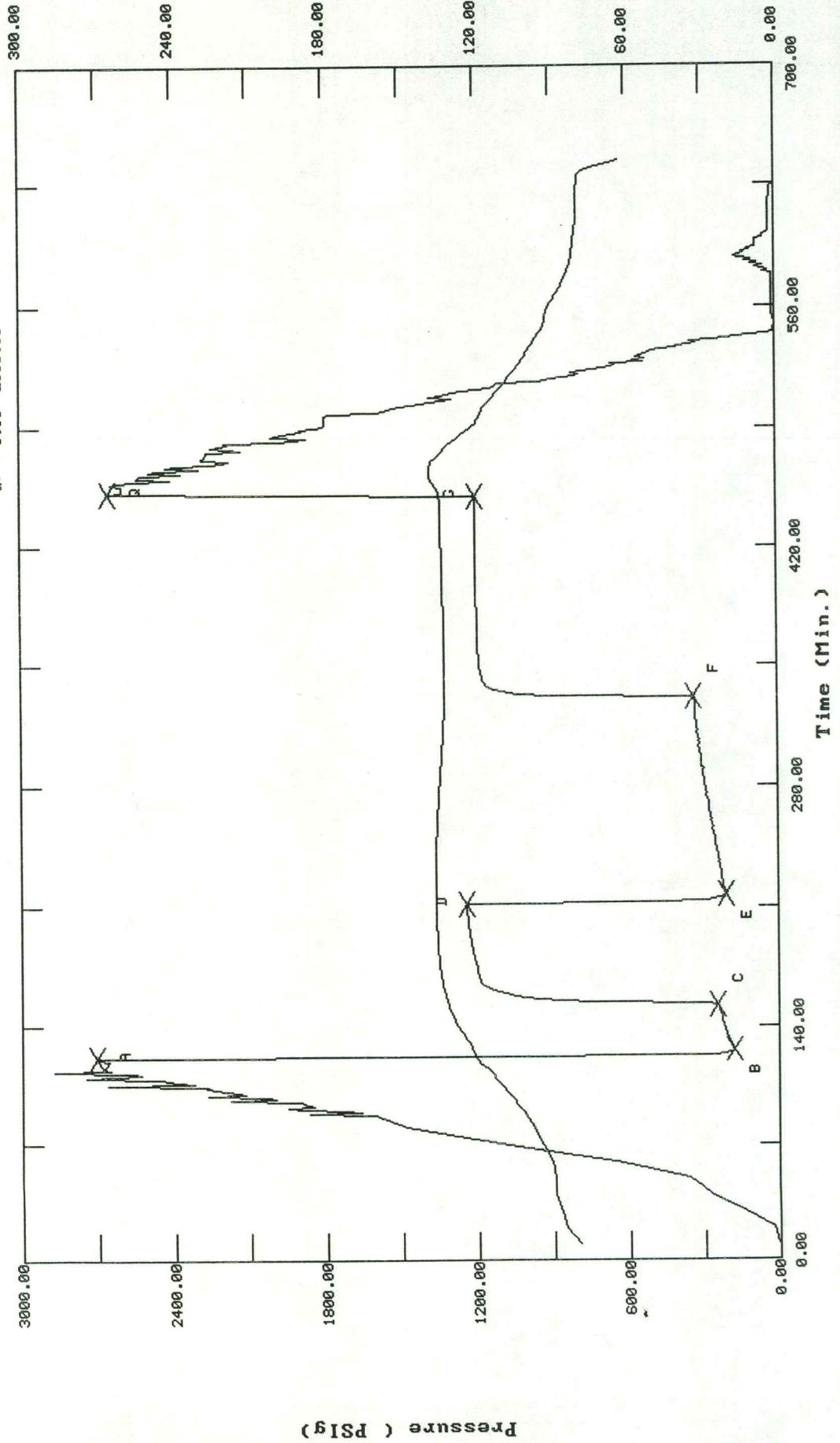
# TEST HISTORY

9638 J Morris Amoco Prod.

## Flag Points

t (Min.) P (PSig)

A:	0.00	2705.49
B:	0.00	178.09
C:	26.00	244.56
D:	60.00	1241.79
E:	0.00	207.13
F:	115.00	334.02
G:	118.00	1199.35
Q:	0.00	2651.61





# TRILOBITE TESTING

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

G.T.S.: 13 1/2 min.  
Burnt Bright Orange Flame

## GAS VOLUME REPORT

Amoco Prod.  
OPERATOR

Jay Morris 1-8  
WELL NAME AND NO.

1  
DST NO.

1 <sup>st</sup> Flow				2 <sup>nd</sup> Flow			
Mln.	<del>In. of Water</del> PSIG	Orifice Size	MCF/D	Mln.	<del>In. of Water</del> PSIG	Orifice Size	MCF/D
3.5	24	1/2	200	5	24	3/4" in	449
8	27	1/2	216	10	19	" "	384
20	28	1/2	222	15	18	" "	370
33	30	1/2	231	25	18	" "	370
55	32	1/2	243	30	19	" "	384
88	36	1/2	265	35	22	" "	424
120	40	1/2	285	40	25	" "	461
				45	27	" "	487
				50	28	" "	497
				95	28	" "	497
				100	29	" "	510
				105	30	" "	522
				110	30	" "	522
				115	31	" "	534
				120	32	3/4" in	546

Remarks:

# TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

## FLUID SAMPLER DATA

Ticket No. 9638 Date 3-2-97  
Company Name Amoco Prod.  
Lease Jay Morris #1-8 Test No. #1  
County Stanton, Ks Sec. 8 Twp. 30 Rng. 39

### SAMPLER RECOVERY

Gas .8 cubic feet ~~ML~~  
Oil \_\_\_\_\_ ML  
Mud 3,000 ML  
Water \_\_\_\_\_ ML  
Other \_\_\_\_\_ ML  
Pressure \_\_\_\_\_ PSI  
Total 3,000 ML

### PIT MUD ANALYSIS

Chlorides 1,100 ppm.  
Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Viscosity 65  
Mud Weight 9.2  
Filtrate 7.7  
Other LCM #3

### SAMPLER ANALYSIS

Resistivity 5.4 ohms @ 55 F  
Chlorides 1200 ppm.  
Gravity — corrected @ 60 F

### PIPE RECOVERY

TOP  
Resistivity 6.8 ~~1100~~ ohms @ 52 F  
Chlorides 1100 ppm.

### MIDDLE

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.

### BOTTOM

Resistivity \_\_\_\_\_ ohms @ \_\_\_\_\_ F  
Chlorides \_\_\_\_\_ ppm.