

**Well Name:** WOLF #1-13  
**Company :** MIDCO EXPLORATION INC  
**Location - Sec:** 13                      **Twp:** 33S                      **Rge:** 25W  
**County:** CLARK                      **State:** KS  
**Date:** 23-Oct-95

TRILOBITE TESTING L.L.C.

OPERATOR : MIDCO Exploration Inc.  
 WELL NAME: Wolf #1-13  
 LOCATION : 13-33S-25W, Clark Cty KS  
 INTERVAL : 5507.00 To 5550.00 ft

DATE 10-23-95

KB 2083.00 ft TICKET NO: 8568 DST #1  
 GR 2090.00 ft FORMATION: Miss. Chester  
 TD 5550.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13788	13788	2346			PF Fr. 0025 to 0055 hr
SI 60 Range(Psi )	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 0055 to 0155 hr
SF 60 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0155 to 0255 hr
FS 180 Depth(ft )	5542.0	5542.0	5520.0	0.0	0.0	FS Fr. 0255 to 0555 hr

	Field	1	2	3	4	
A. Init Hydro	2915.0	2922.0	2821.0	0.0	0.0	T STARTED 2130 hr
B. First Flow	30.0	28.0	32.0	0.0	0.0	T ON BOTM 0023 hr
B1. Final Flow	33.0	33.0	33.0	0.0	0.0	T OPEN 0025 hr
C. In Shut-in	53.0	53.0	62.0	0.0	0.0	T PULLED 0555 hr
D. Init Flow	30.0	21.0	33.0	0.0	0.0	T OUT 0910 hr
E. Final Flow	30.0	22.0	37.0	0.0	0.0	
F. Fl Shut-in	59.0	47.0	77.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2717.0	2757.0	2747.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP  
 20.00 ft of Drilling mud

Initial Str Wt 78000.00 lbs  
 Unseated Str Wt 80000.00 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 302.00 ft  
 D.P. Length 5204.00 ft

6.00 ft of Pay (est)  
 RW 3.89 @ 64 F  
 SALINITY 6000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Weak blow .25"-.5"

Final Blow -  
 No blow

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type CHEMICAL  
 Weight 9.20 lb/c  
 Vis. 51.00 S/L  
 W.L. 11.20 in3  
 F.C. 0.20 in  
 Mud Drop  
 Amt. of fill 2.00 ft  
 Btm. H. Temp. 127.00 F  
 Hole Condition GOOD  
 % Porosity 10.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00 N  
 Cushion Type NONE  
 Reversed Out N  
 Tool Chased N  
 Tester GARY PEVOTEAUX  
 Co. Rep. TOM WILLIAMS  
 Contr. BLUE GOOSE DRLG.  
 Rig # 1  
 Unit #  
 Pump T.

Test Successful: Y

# TEST HISTORY

8568 DST#1 WOLF#1 MIDCO EXPL. INC.

## Flag Points

t (Min.) P (PSIg)

A:	0.00	2821.39
B:	0.00	31.80
C:	30.00	33.23
D:	60.00	61.85
E:	0.00	33.31
F:	60.00	37.34
G:	178.00	76.79
Q:	0.00	2746.87

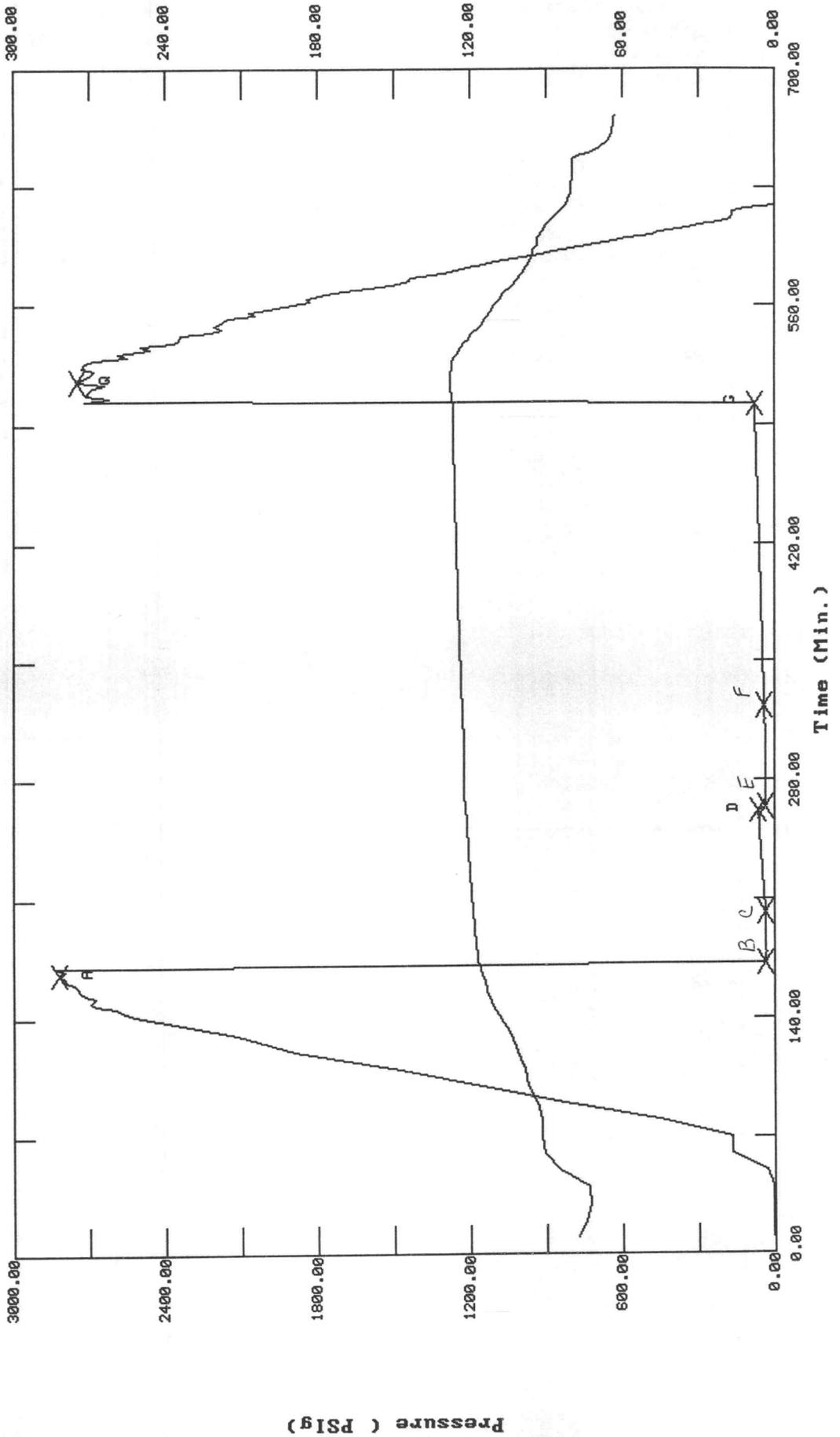
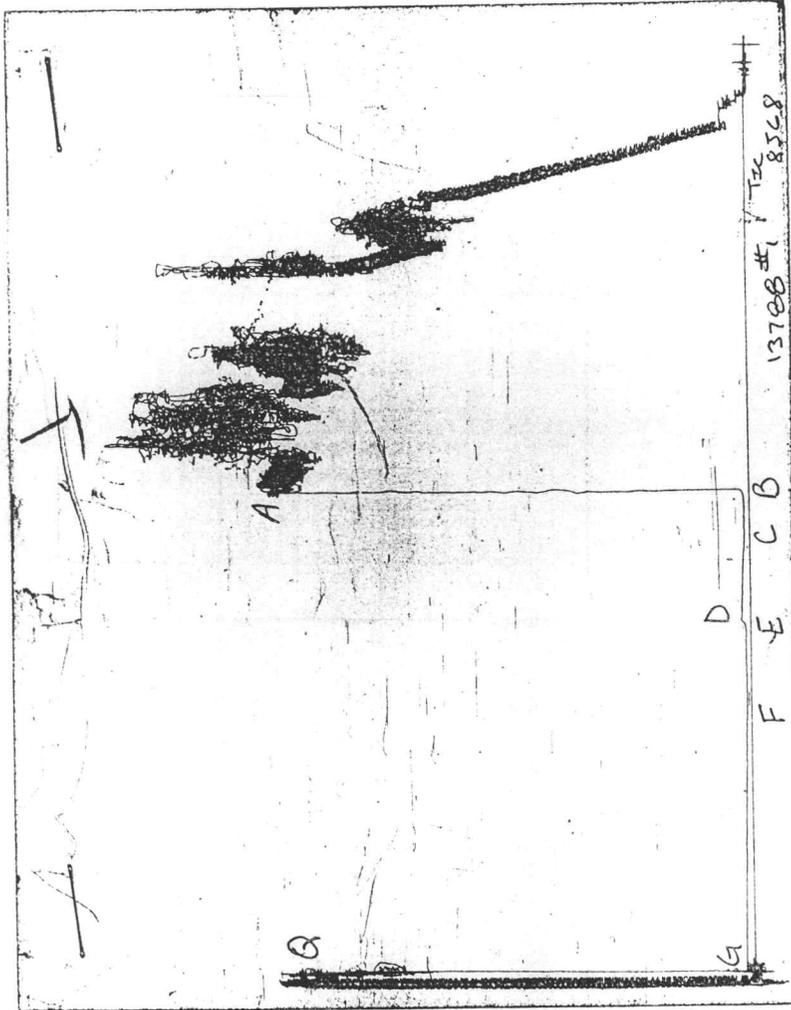


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8568 DST#1 WOLF#1 MIDCO EXPL. INC.

DATE: 10/22/95

TIME: 21:30:20

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	166.00	2821.4	0.0	114.94		
***** Start Flow 1	0.00	31.8	0.0	116.40		
	2.00	31.0	-0.8	116.67		
	4.00	31.1	-0.7	116.87		
	6.00	30.1	-1.7	117.03		
	8.00	31.3	-0.5	117.21		
	10.00	33.0	1.2	117.35		
	12.00	32.6	0.8	117.49		
	14.00	32.1	0.3	117.63		
	16.00	32.1	0.3	117.76		
	18.00	33.1	1.3	117.90		
	20.00	31.6	-0.2	118.05		
	22.00	32.1	0.3	118.12		
	24.00	32.7	0.9	118.25		
	26.00	31.4	-0.4	118.36		
	28.00	33.7	1.9	118.50		
***** End Flow 1	30.00	33.2	1.4	118.58		
***** Start Shutin 1	0.00	33.2	0.0	118.58	0.0000	0.001
	2.00	33.6	0.4	118.70	16.0000	0.001
	4.00	34.8	1.6	118.82	8.5000	0.001
	6.00	36.2	2.9	118.93	6.0000	0.001
	8.00	37.2	3.9	119.04	4.7500	0.001
	10.00	38.3	5.1	119.14	4.0000	0.001
	12.00	39.6	6.4	119.25	3.5000	0.002
	14.00	40.8	7.6	119.36	3.1429	0.002
	16.00	41.6	8.4	119.46	2.8750	0.002
	18.00	42.5	9.3	119.56	2.6667	0.002
	20.00	43.6	10.4	119.66	2.5000	0.002
	22.00	44.6	11.3	119.75	2.3636	0.002
	24.00	45.6	12.3	119.86	2.2500	0.002
	26.00	46.4	13.2	119.94	2.1538	0.002
	28.00	47.3	14.1	120.05	2.0714	0.002
	30.00	48.4	15.2	120.14	2.0000	0.002
	32.00	49.2	15.9	120.23	1.9375	0.002
	34.00	50.1	16.9	120.32	1.8824	0.003
	36.00	51.1	17.9	120.42	1.8333	0.003
	38.00	52.0	18.8	120.50	1.7895	0.003
	40.00	53.0	19.8	120.60	1.7500	0.003
	42.00	54.0	20.7	120.68	1.7143	0.003
	44.00	54.9	21.7	120.77	1.6818	0.003
	46.00	55.7	22.5	120.86	1.6522	0.003
	48.00	56.5	23.2	120.94	1.6250	0.003
	50.00	57.5	24.3	121.01	1.6000	0.003
	52.00	58.3	25.1	121.11	1.5769	0.003
	54.00	59.1	25.8	121.20	1.5556	0.003
	56.00	60.1	26.9	121.28	1.5357	0.004
	58.00	60.9	27.7	121.37	1.5172	0.004
***** End Shut-in 1	60.00	61.8	28.6	121.46	1.5000	0.004
***** Start Flow 2	0.00	33.3	0.0	121.56		
	2.00	34.2	0.9	121.66		
	4.00	34.2	0.9	121.80		

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8568 DST#1 WOLF#1 MIDCO EXPL.INC.

DATE: 10/22/95

TIME: 21:30:20  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	6.00	34.3	1.0	122.04		
	8.00	35.6	2.3	122.10		
	10.00	34.2	0.8	122.10		
	12.00	35.7	2.3	122.10		
	14.00	34.8	1.5	122.10		
	16.00	33.6	0.3	122.11		
	18.00	35.7	2.4	122.10		
	20.00	34.2	0.9	122.10		
	22.00	35.6	2.3	122.11		
	24.00	36.1	2.8	122.10		
	26.00	35.7	2.4	122.11		
	28.00	33.8	0.5	122.11		
	30.00	35.2	1.8	122.11		
	32.00	35.3	2.0	122.11		
	34.00	34.2	0.8	122.11		
	36.00	35.6	2.3	122.11		
	38.00	34.7	1.4	122.12		
	40.00	35.7	2.4	122.13		
	42.00	35.1	1.8	122.19		
	44.00	36.2	2.9	122.32		
	46.00	36.4	3.1	122.48		
	48.00	35.8	2.5	122.64		
	50.00	37.1	3.8	122.74		
	52.00	36.4	3.1	122.82		
	54.00	36.7	3.4	122.89		
	56.00	36.9	3.6	122.97		
	58.00	36.2	2.9	123.01		
***** End Flow 2	60.00	37.3	4.0	123.10		
***** Start Shutin 2	0.00	37.3	0.0	123.10	0.0000	0.001
	2.00	38.1	0.8	123.16	46.0000	0.001
	4.00	38.9	1.6	123.20	23.5000	0.002
	6.00	39.7	2.4	123.27	16.0000	0.002
	8.00	40.4	3.0	123.33	12.2500	0.002
	10.00	40.9	3.6	123.38	10.0000	0.002
	12.00	41.2	3.9	123.45	8.5000	0.002
	14.00	41.7	4.4	123.50	7.4286	0.002
	16.00	42.0	4.7	123.56	6.6250	0.002
	18.00	42.4	5.0	123.61	6.0000	0.002
	20.00	42.8	5.5	123.66	5.5000	0.002
	22.00	43.2	5.9	123.72	5.0909	0.002
	24.00	43.6	6.3	123.76	4.7500	0.002
	26.00	44.2	6.9	123.82	4.4615	0.002
	28.00	44.6	7.3	123.88	4.2143	0.002
	30.00	45.0	7.6	123.91	4.0000	0.002
	32.00	45.2	7.9	123.96	3.8125	0.002
	34.00	45.6	8.3	124.01	3.6471	0.002
	36.00	46.2	8.8	124.06	3.5000	0.002
	38.00	46.6	9.2	124.12	3.3684	0.002
	40.00	47.1	9.7	124.16	3.2500	0.002
	42.00	47.3	10	124.20	3.1429	0.002
	44.00	47.7	10.4	124.26	3.0455	0.002

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Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
46.00	48.2	10.8	124.30	2.9565	0.002
48.00	48.5	11.2	124.33	2.8750	0.002
50.00	49.0	11.7	124.38	2.8000	0.002
52.00	49.4	12.1	124.43	2.7308	0.002
54.00	49.8	12.5	124.47	2.6667	0.002
56.00	50.3	12.9	124.51	2.6071	0.003
58.00	50.7	13.3	124.56	2.5517	0.003
60.00	51.1	13.8	124.60	2.5000	0.003
62.00	51.4	14.1	124.65	2.4516	0.003
64.00	51.8	14.4	124.69	2.4062	0.003
66.00	52.2	14.9	124.74	2.3636	0.003
68.00	52.7	15.4	124.79	2.3235	0.003
70.00	53.1	15.8	124.82	2.2857	0.003
72.00	53.5	16.1	124.87	2.2500	0.003
74.00	53.8	16.4	124.91	2.2162	0.003
76.00	54.1	16.8	124.95	2.1842	0.003
78.00	54.5	17.1	124.99	2.1538	0.003
80.00	54.9	17.5	125.03	2.1250	0.003
82.00	55.5	18.1	125.08	2.0976	0.003
84.00	55.8	18.5	125.12	2.0714	0.003
86.00	56.2	18.9	125.17	2.0465	0.003
88.00	56.6	19.2	125.22	2.0227	0.003
90.00	57.1	19.7	125.25	2.0000	0.003
92.00	57.5	20.1	125.28	1.9783	0.003
94.00	57.9	20.6	125.31	1.9574	0.003
96.00	58.3	21.0	125.36	1.9375	0.003
98.00	58.7	21.3	125.40	1.9184	0.003
100.00	59.1	21.7	125.45	1.9000	0.003
102.00	59.6	22.2	125.50	1.8824	0.004
104.00	59.9	22.6	125.54	1.8654	0.004
106.00	60.3	23.0	125.57	1.8491	0.004
108.00	60.8	23.5	125.62	1.8333	0.004
110.00	61.3	23.9	125.65	1.8182	0.004
112.00	61.6	24.3	125.67	1.8036	0.004
114.00	62.1	24.8	125.71	1.7895	0.004
116.00	62.6	25.3	125.76	1.7759	0.004
118.00	63.0	25.7	125.80	1.7627	0.004
120.00	63.4	26.1	125.83	1.7500	0.004
122.00	63.9	26.5	125.88	1.7377	0.004
124.00	64.2	26.9	125.91	1.7258	0.004
126.00	64.7	27.4	125.94	1.7143	0.004
128.00	65.1	27.8	125.97	1.7031	0.004
130.00	65.5	28.2	126.01	1.6923	0.004
132.00	66.0	28.7	126.04	1.6818	0.004
134.00	66.5	29.2	126.08	1.6716	0.004
136.00	67.0	29.7	126.11	1.6618	0.004
138.00	67.5	30.1	126.16	1.6522	0.005
140.00	68.0	30.6	126.19	1.6429	0.005
142.00	68.4	31.1	126.22	1.6338	0.005
144.00	68.8	31.5	126.27	1.6250	0.005
146.00	69.3	32.0	126.30	1.6164	0.005

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 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

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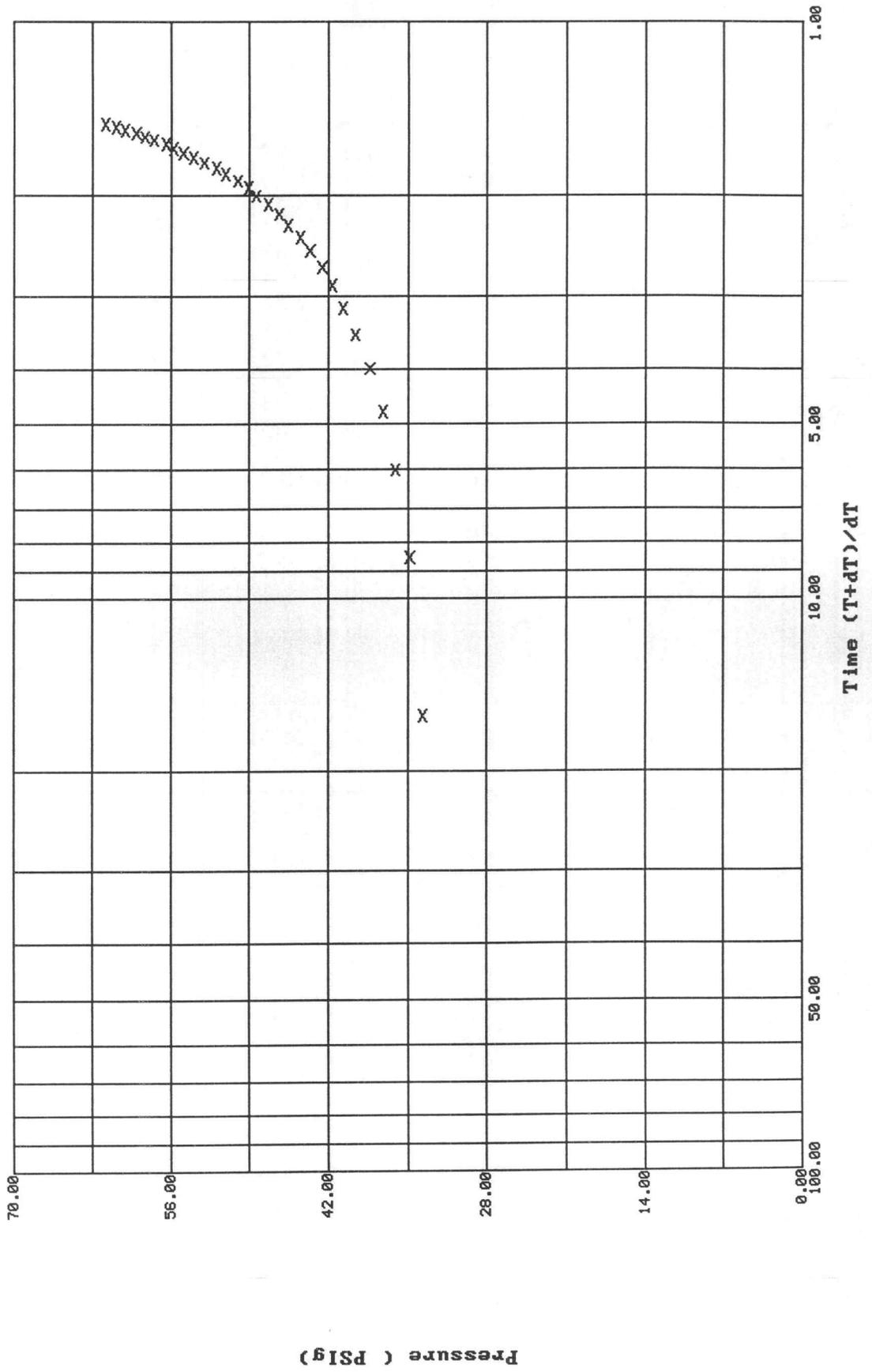
DATE: 10/22/95

TIME: 21:30:20  
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	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
	148.00	69.7	32.4	126.34	1.6081	0.005
	150.00	70.2	32.8	126.36	1.6000	0.005
	152.00	70.5	33.2	126.40	1.5921	0.005
	154.00	71.1	33.7	126.43	1.5844	0.005
	156.00	71.6	34.2	126.46	1.5769	0.005
	158.00	72.0	34.7	126.49	1.5696	0.005
	160.00	72.5	35.2	126.53	1.5625	0.005
	162.00	73.0	35.7	126.57	1.5556	0.005
	164.00	73.6	36.3	126.59	1.5488	0.005
	166.00	73.9	36.6	126.61	1.5422	0.005
	168.00	74.4	37.1	126.65	1.5357	0.006
	170.00	74.9	37.6	126.68	1.5294	0.006
	172.00	75.4	38.1	126.72	1.5233	0.006
	174.00	75.9	38.5	126.74	1.5172	0.006
	176.00	76.4	39.0	126.79	1.5114	0.006
***** End Shut-in 2	178.00	76.8	39.4	126.82	1.5056	0.006
***** Final Hydro.	516.00	2746.9	0.0	127.73		

# Horner Plot: shut-in #1

8568 DST#1 WOLF#1 MIDCO EXPL. INC.



# Horner Plot: shut-in #2

8568 DST#1 WOLF#1 MIDCO EXPL. INC.

