

DRILL-STEM TEST DATA

Well Name: KUMBERG "C" #3-11
Company : RUPE OIL CO INC
Location - Sec: 11 **Twp:** 30S **Rge:** 12W
County: BARBER **State:** KS
Date: 07/23/95

TRILOBITE TESTING L.L.C.

OPERATOR : RUPE OIL CO. INC
 WELL NAME: KUMBERG "C" #3-11
 LOCATION : 11-30S-12W, BARBER CTY KS
 INTERVAL : 3133.00 To 3165.00 ft

DATE 7-21-95
 KB 1812.00 ft TICKET NO: 8326 DST #1
 GR 1803.00 ft FORMATION: HOWARD
 TD 3165.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	ALPINE			PF Fr. 30 to hr
SI 30 Range(Psi)	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 30 to hr
SF 30 Clock(hrs)	22993	22993				SF Fr. 30 to hr
FS 30 Depth(ft)	3162.0	3162.0	3138.0	0.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	1683.0	1461.0	0.0	0.0	T STARTED 1800 hr
B. First Flow	0.0	51.0	44.0	0.0	0.0	T ON BOTM 1930 hr
B1. Final Flow	0.0	57.0	54.0	0.0	0.0	T OPEN 1932 hr
C. In Shut-in	0.0	1224.0	1219.0	0.0	0.0	T PULLED 2135 hr
D. Init Flow	0.0	65.0	54.0	0.0	0.0	T OUT 2310 hr
E. Final Flow	0.0	81.0	76.0	0.0	0.0	
F. Fl Shut-in	0.0	1217.0	1218.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	1431.0	1431.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 48000.00 lbs
						Initial Str Wt 41000.00 lbs
						Unseated Str Wt 42000.00 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 0.00 ft
						D.P. Length 3115.00 ft

RECOVERY

Tot Fluid 180.00 ft of 0.00 ft in DC and 180.00 ft in DP
 3035.00 ft of GAS IN PIPE
 120.00 ft of GASSY OIL CUT MUD - 20% GAS, 23% OIL,
 0.00 ft of 7% WATER, 50% MUD
 60.00 ft of OIL & GAS CUT WATERY MUD - 10% GAS, 17% OIL,
 0.00 ft of 33% WATER, 40% MUD
 0.00 ft of
 0.00 ft of

EST FT OF PAY 8'

SALINITY 5000.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Blow -

Strong blow, bottom of bucket in 3 sec
 Gas to surface in 4 min

Final Blow -

Strong blow, bottom of bucket in 3 sec

SAMPLES: 1 - GAS
 SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	8.70 lb/cf
Vis.	43.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	108.00 F
Hole Condition	GOOD
% Porosity	12.00
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.	REBECCA DROGE
Contr.	DUKE DRLG.
Rig #	5
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO. INC.

Flag Points

t (Min.) P (PSig)

A:	0.00	1461.01
B:	0.00	44.39
C:	26.00	54.04
D:	28.00	1218.71
E:	0.00	53.62
F:	26.00	76.28
G:	36.00	1218.29
Q:	0.00	1430.54

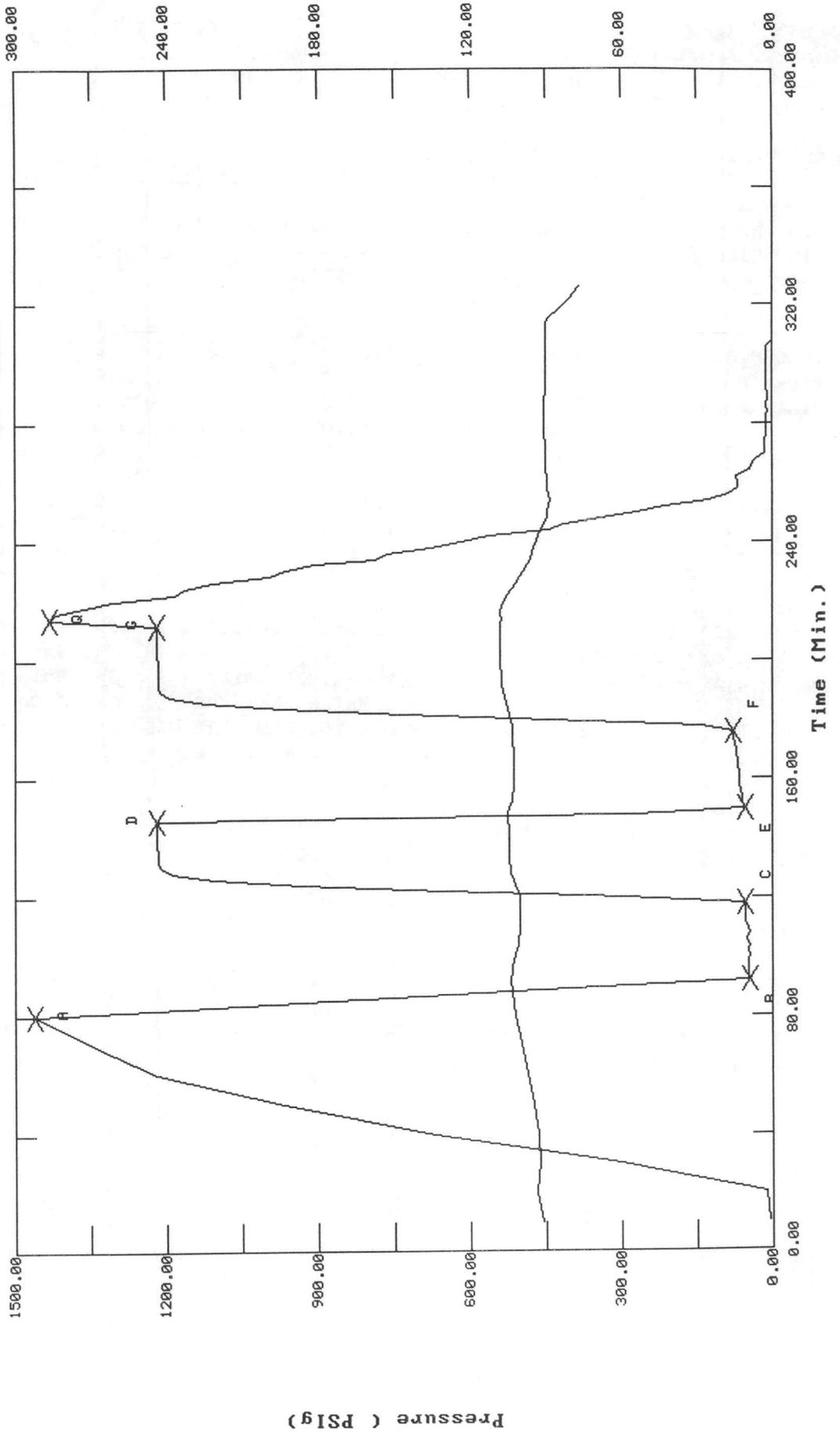
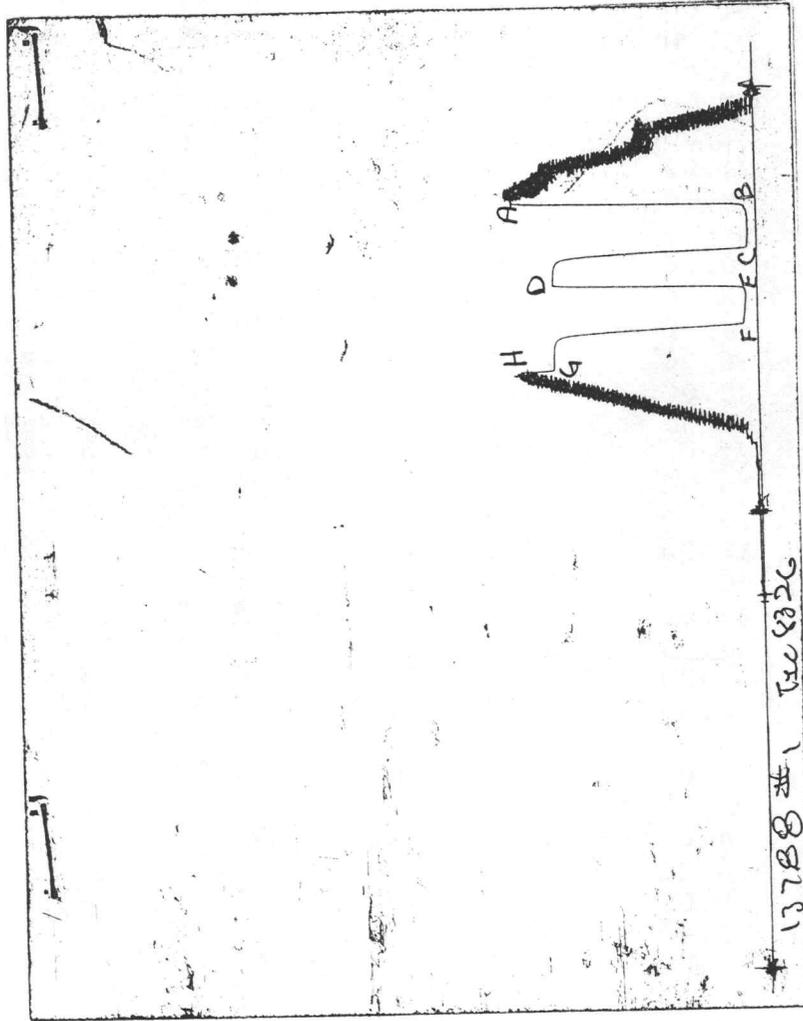


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO.INC.

DATE: 07/21/95 TIME: 18:00:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	80.00	1461.0	0.0	102.00		
***** Start Flow 1	0.00	44.4	0.0	103.53		
	2.00	45.5	1.1	103.27		
	4.00	46.2	1.8	102.81		
	6.00	45.8	1.4	102.25		
	8.00	44.9	0.5	101.81		
	10.00	47.1	2.7	101.39		
	12.00	44.8	0.4	100.95		
	14.00	48.9	4.5	100.67		
	16.00	43.4	-1.0	100.39		
	18.00	48.3	3.9	100.28		
	20.00	51.4	7.1	100.18		
	22.00	51.7	7.3	100.08		
	24.00	53.3	8.9	100.05		
***** End Flow 1	26.00	54.0	9.7	100.05		
***** Start Shutin 1	0.00	54.0	0.0	100.05	0.0000	0.003
	2.00	290.5	236.5	100.14	14.0000	0.084
	4.00	651.1	597.1	100.77	7.5000	0.424
	6.00	930.0	876.0	101.78	5.3333	0.865
	8.00	1105.7	1051.7	102.41	4.2500	1.223
	10.00	1187.2	1133.2	103.56	3.6000	1.410
	12.00	1210.7	1156.6	103.69	3.1667	1.466
	14.00	1215.1	1161.1	104.02	2.8571	1.476
	16.00	1216.2	1162.1	104.24	2.6250	1.479
	18.00	1216.8	1162.7	104.35	2.4444	1.481
	20.00	1217.3	1163.2	104.44	2.3000	1.482
	22.00	1217.6	1163.6	104.50	2.1818	1.483
	24.00	1218.0	1164.0	104.55	2.0833	1.484
	26.00	1218.4	1164.3	104.58	2.0000	1.484
***** End Shut-in 1	28.00	1218.7	1164.7	104.61	1.9286	1.485
***** Start Flow 2	0.00	53.6	0.0	104.19		
	2.00	57.4	3.8	103.26		
	4.00	57.6	4.0	102.86		
	6.00	60.5	6.9	102.61		
	8.00	64.2	10.6	102.50		
	10.00	64.2	10.6	102.45		
	12.00	65.3	11.7	102.45		
	14.00	67.1	13.5	102.49		
	16.00	68.7	15.1	102.55		
	18.00	70.7	17.1	102.64		
	20.00	71.4	17.8	102.75		
	22.00	73.1	19.5	102.88		
	24.00	75.4	21.8	103.01		
***** End Flow 2	26.00	76.3	22.7	103.17		
***** Start Shutin 2	0.00	76.3	0.0	103.17	0.0000	0.006
	2.00	140.6	64.3	103.31	27.0000	0.020
	4.00	444.9	368.6	103.57	14.0000	0.198
	6.00	730.8	654.5	104.07	9.6667	0.534
	8.00	968.0	891.7	104.77	7.5000	0.937
	10.00	1122.9	1046.7	105.48	6.2000	1.261
	12.00	1193.4	1117.1	106.17	5.3333	1.424

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO.INC.

DATE: 07/21/95

TIME: 18:00:44

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	14.00	1211.7	1135.4	106.74	4.7143	1.468
	16.00	1214.3	1138.1	107.15	4.2500	1.475
	18.00	1215.1	1138.8	107.39	3.8889	1.476
	20.00	1215.7	1139.4	107.56	3.6000	1.478
	22.00	1216.3	1140.0	107.66	3.3636	1.479
	24.00	1216.7	1140.4	107.77	3.1667	1.480
	26.00	1217.0	1140.7	107.83	3.0000	1.481
	28.00	1217.4	1141.1	107.86	2.8571	1.482
	30.00	1217.6	1141.3	107.86	2.7333	1.483
	32.00	1217.8	1141.5	107.86	2.6250	1.483
	34.00	1218.0	1141.8	107.86	2.5294	1.484
***** End Shut-in 2	36.00	1218.3	1142.0	107.85	2.4444	1.484
***** Final Hydro.	214.00	1430.5	0.0	107.36		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: KUMBERG"C"#3-11

LOCATION : SEC.11 TWP.30S RGE.12W

TICKET No. 8326 D.S.T. No. 1 DATE 7-21-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 55

DRILL COLLAR ANCHOR IN INTERVAL 0

D.C. ANCHOR STND.Stands0 Single 0 Total 0

D.P. ANCHOR STND.Stands 0 Single 0 Total 0

TOTAL ASSEMBLY 55

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands50 Single Total 3115

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3170

TOTAL DEPTH 3165

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

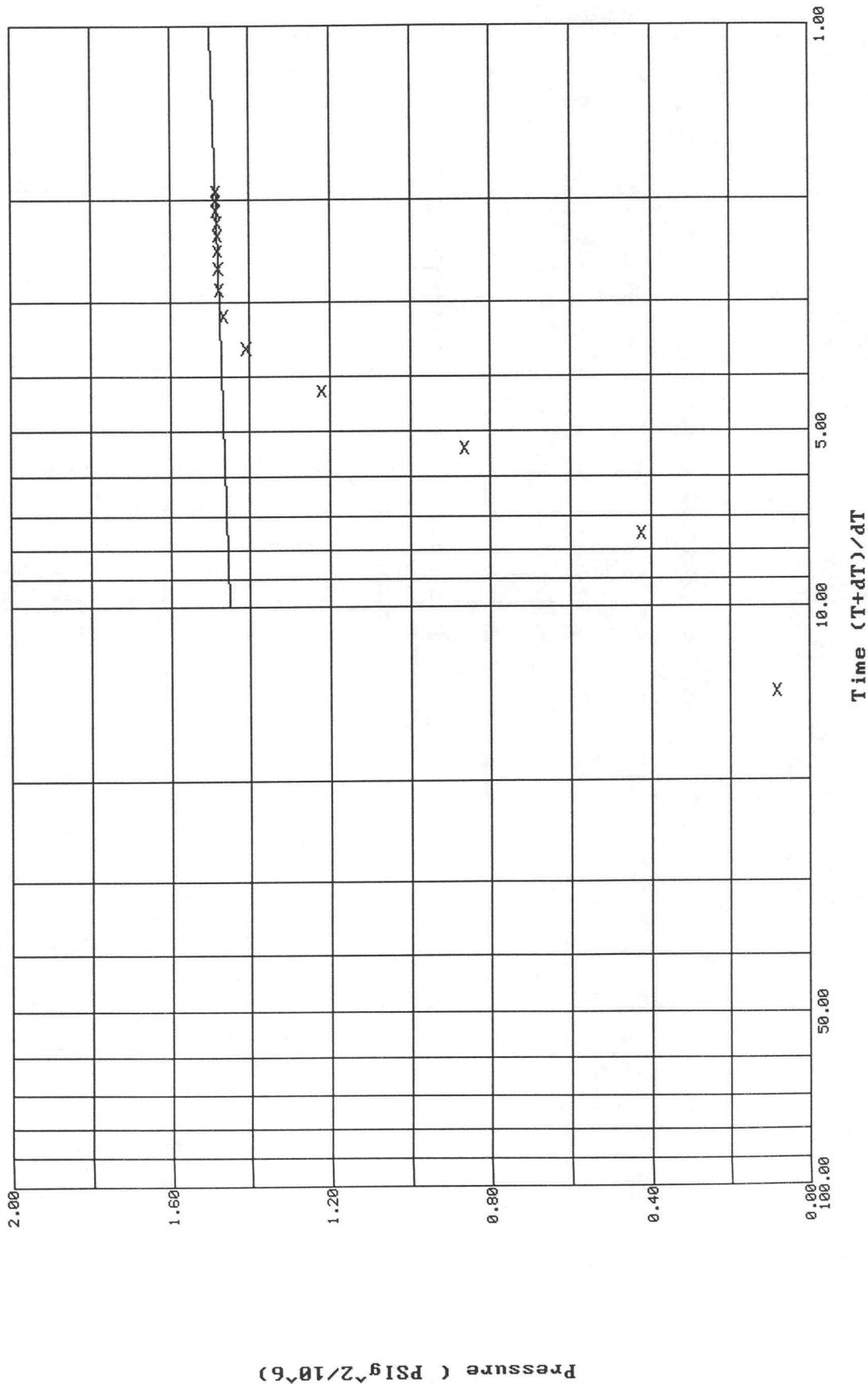
P.O. SUB	3110
C.O. SUB	3112
S.I. TOOL H&T	3117
HMV STERLING	3123
JARS	
SAFETY JOINT BOWEN	3125
PACKER TOP	3128
PACKER BTM.	3133
DEPTH 3133	
STUBB 3134	
ANCHOR	
26 FT.PERFS FROM	3134
T.C. DEPTH	
26 FT.PERFS TO	3160
BULLNOSE	
T.D. 5 FT.PERFORATED TO	3165

P² Horner Plot: shut-in #1

8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO. INC.

Slope: 0.0451 PSig²/10⁶/cycle

Ext. Pressure: 1223.9397 PSig

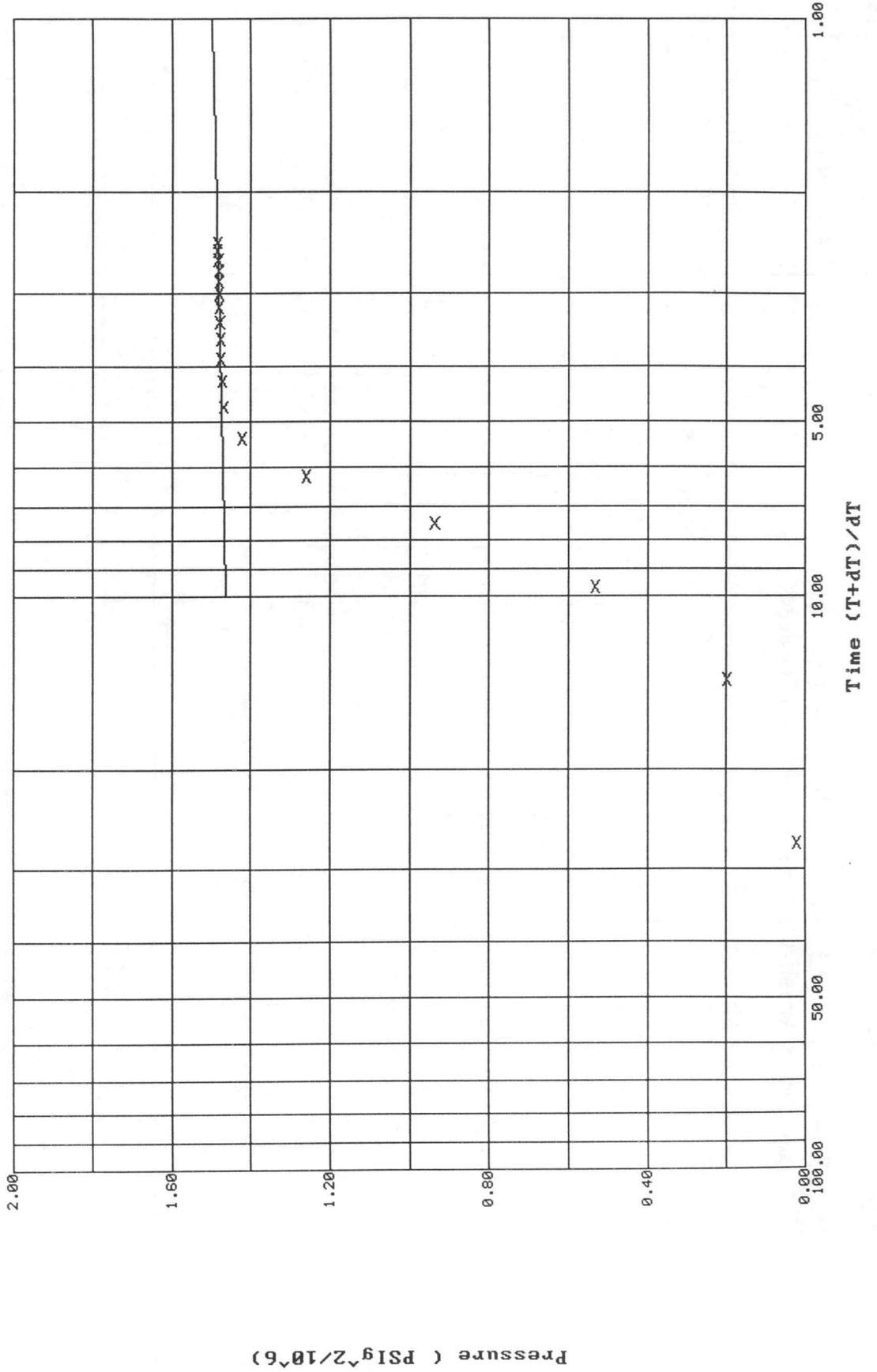


P² Horner Plot: shut-in #2

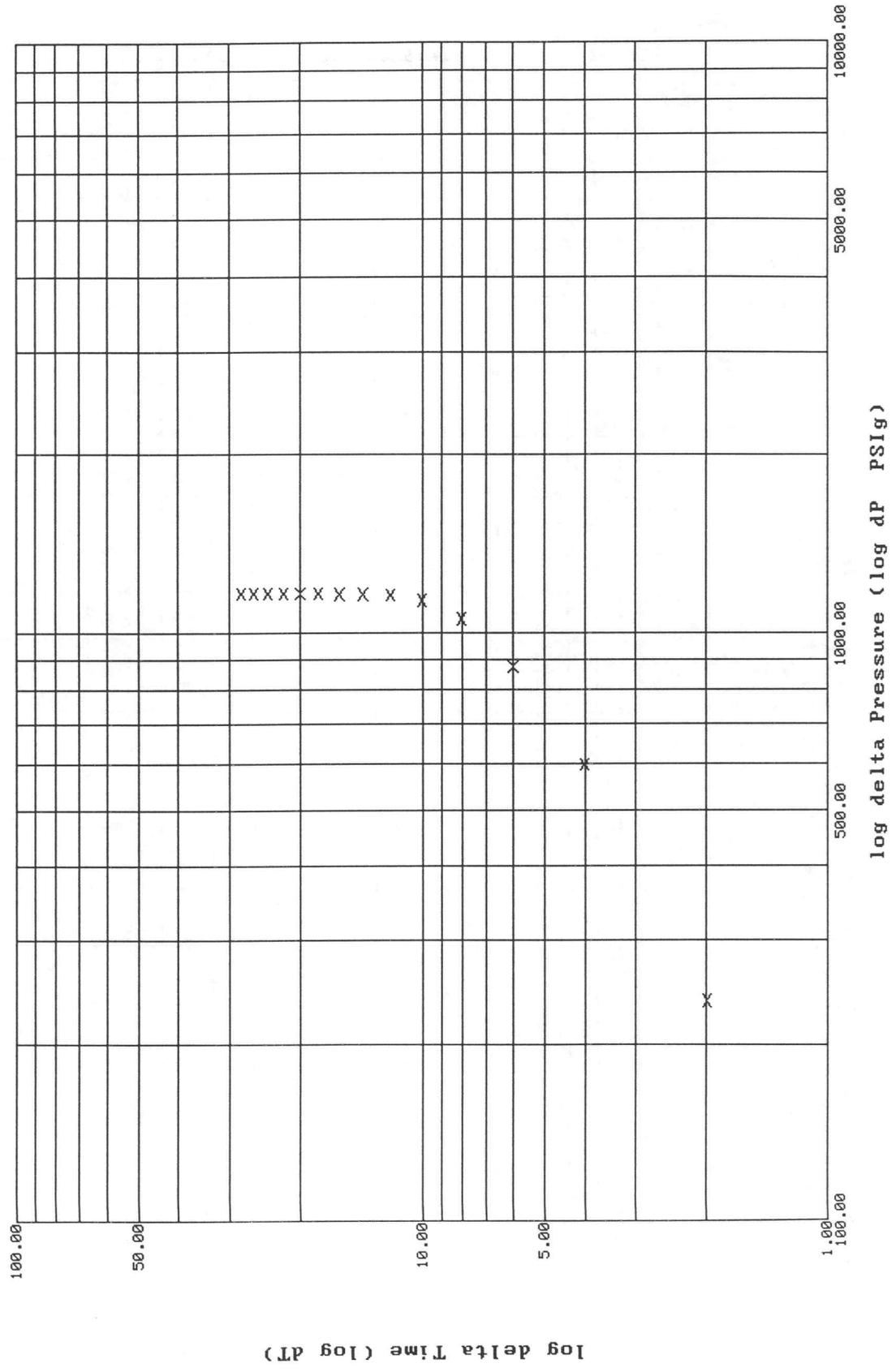
8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO. INC.

Slope: 0.0363 $\text{PSig}^2/10^6/\text{cycle}$

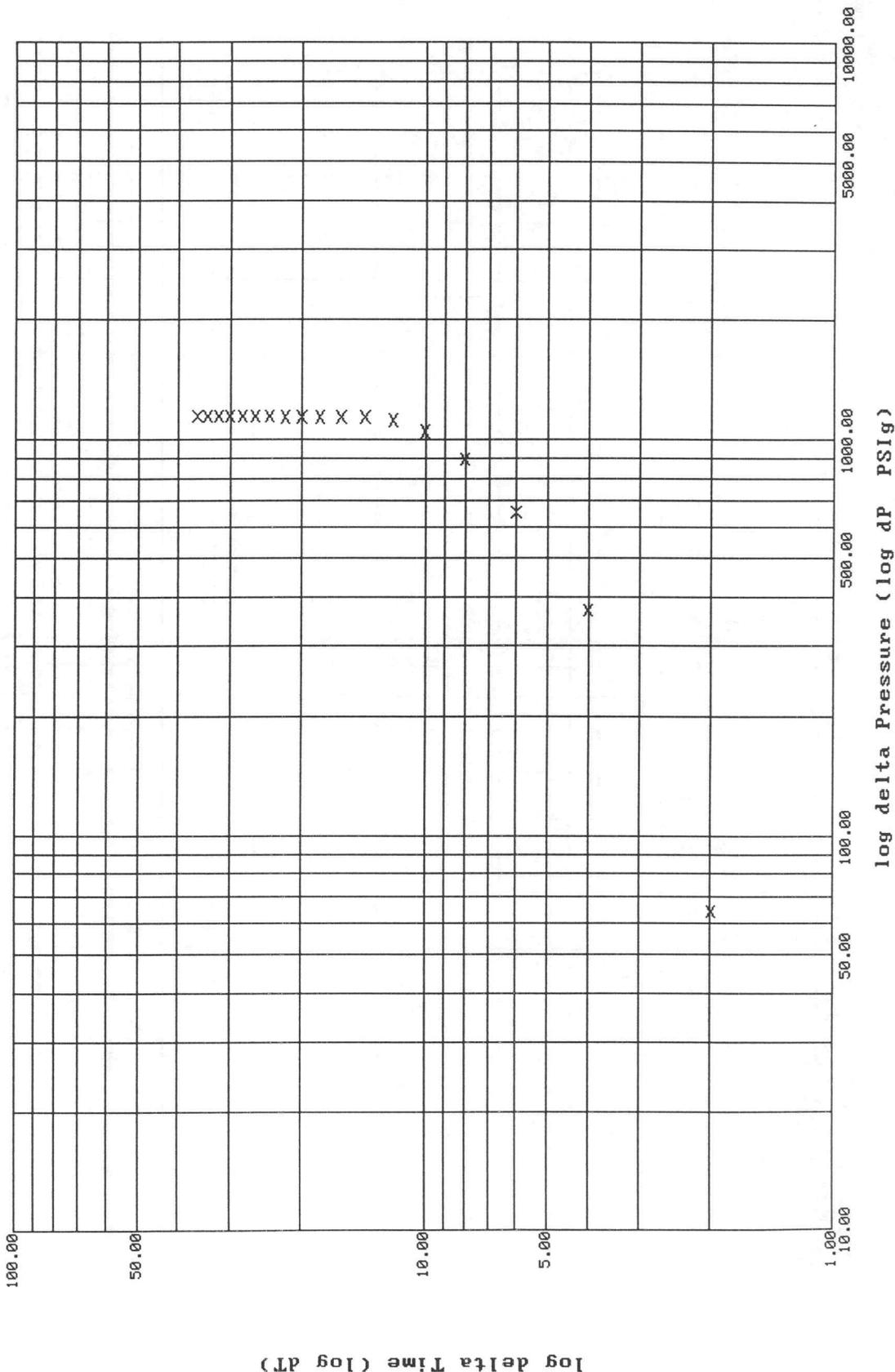
Ext. Pressure: 1224.0742 PSig



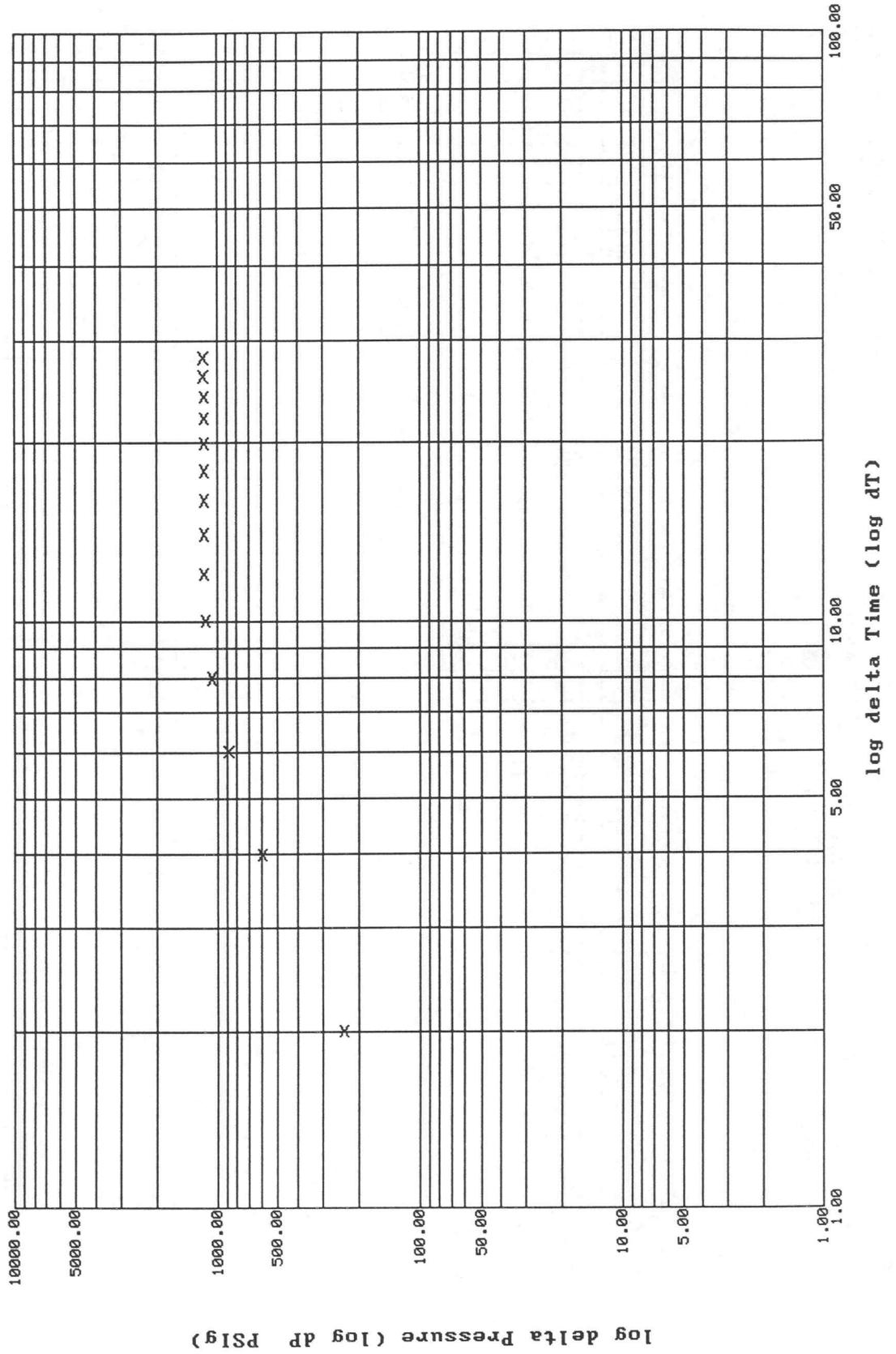
McKinley Plot: shut-in #1
 8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO. INC.



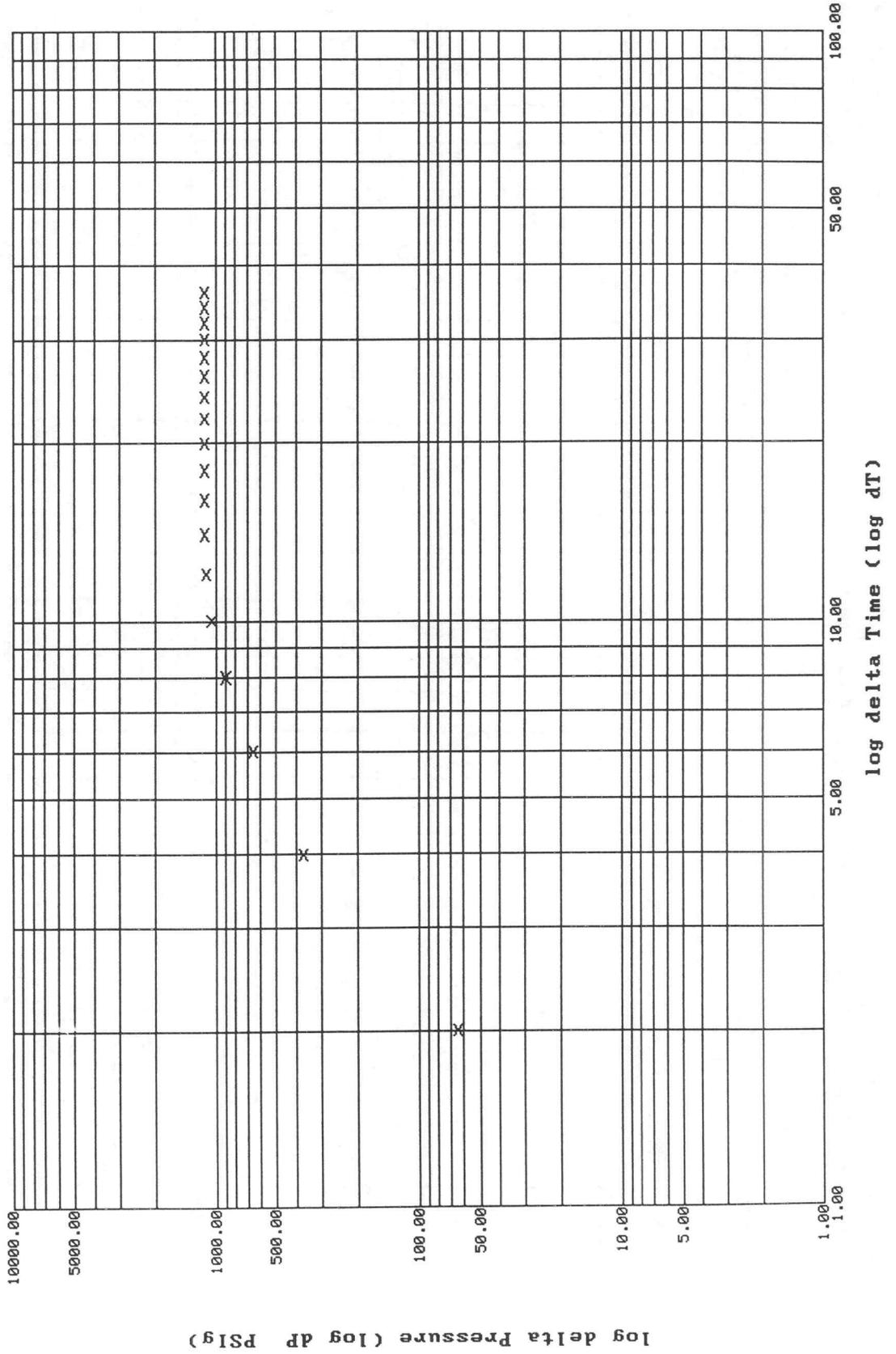
McKinley Plot: shut-in #2
 8326 DST#1 KUMBERG "C"#3-11 RUPE OIL CO. INC.



Ramey Plot: shut-in #1
 8326 DST#1 KUMBERG "C" #3-11 RUPE OIL CO. INC.



Ramey Plot: shut-in #2
8326 DST#1 KUMBERG "C" #3-11 RUPE OIL CO. INC.



TRILOBITE TESTING L.L.C.

OPERATOR : RUPE OIL CO.INC
 WELL NAME: KUMBERG"C"#3-11
 LOCATION : 11-30S-12W, BARBER CTY KS
 INTERVAL : 3466.00 To 3482.00 ft

DATE 7-22-95
 KB 1812.00 ft TICKET NO: 8327 DST #2
 GR 1803.00 ft FORMATION: ELGIN SD.
 TD 3482.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	AK-1	AK-1	Alpine			PF Fr. 30 to hr
SI 30	Range(Psi)	4650.0	4650.0	4995.0	0.0	0.0	IS Fr. 30 to hr
SF 20	Clock(hrs)	22993	22993				SF Fr. 20 to hr
FS 40	Depth(ft)	3479.0	3479.0	3471.0	0.0	0.0	FS Fr. 40 to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	1721.0	1723.0	0.0	0.0	T STARTED 1729 hr
B. First Flow	0.0	41.0	40.0	0.0	0.0	T ON BOTM 1901 hr
B1. Final Flow	0.0	51.0	57.0	0.0	0.0	T OPEN 1905 hr
C. In Shut-in	0.0	102.0	110.0	0.0	0.0	T PULLED 2105 hr
D. Init Flow	0.0	52.0	53.0	0.0	0.0	T OUT 2250 hr
E. Final Flow	0.0	62.0	60.0	0.0	0.0	
F. Fl Shut-in	0.0	264.0	275.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	1641.0	1639.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 105.00 ft of 0.00 ft in DC and 105.00 ft in DP
 1400.00 ft of GAS IN PIPE very weak odor
 45.00 ft of Gassy Mud W/ Oil Specks - 15% gas, 85% mud
 60.00 ft of Muddy Water - 60% water, 40% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

Unseated Str Wt 44000.00 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 0.00 ft
 D.P. Length 3456.00 ft

EST FT OF PAY 8'

SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Strong blow, bottom of bucket in 2 sec
 Final Blow -
 Strong blow, bottom of bucket in 1 min

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/c
 Vis. 47.00 S/L
 W.L. 12.80 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 113.00 F
 Hole Condition GOOD
 % Porosity 12.00
 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. REBECCA DROGE
 Contr. DUKE DRLG.
 Rig # 5
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

TEST HISTORY

8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11

Flag Points

t (Min.)	P (PSig)
A: 0.00	1723.37
B: 0.00	39.61
C: 30.00	56.73
D: 18.00	109.52
E: 0.00	53.45
F: 20.00	60.42
G: 44.00	274.69
Q: 0.00	1638.77

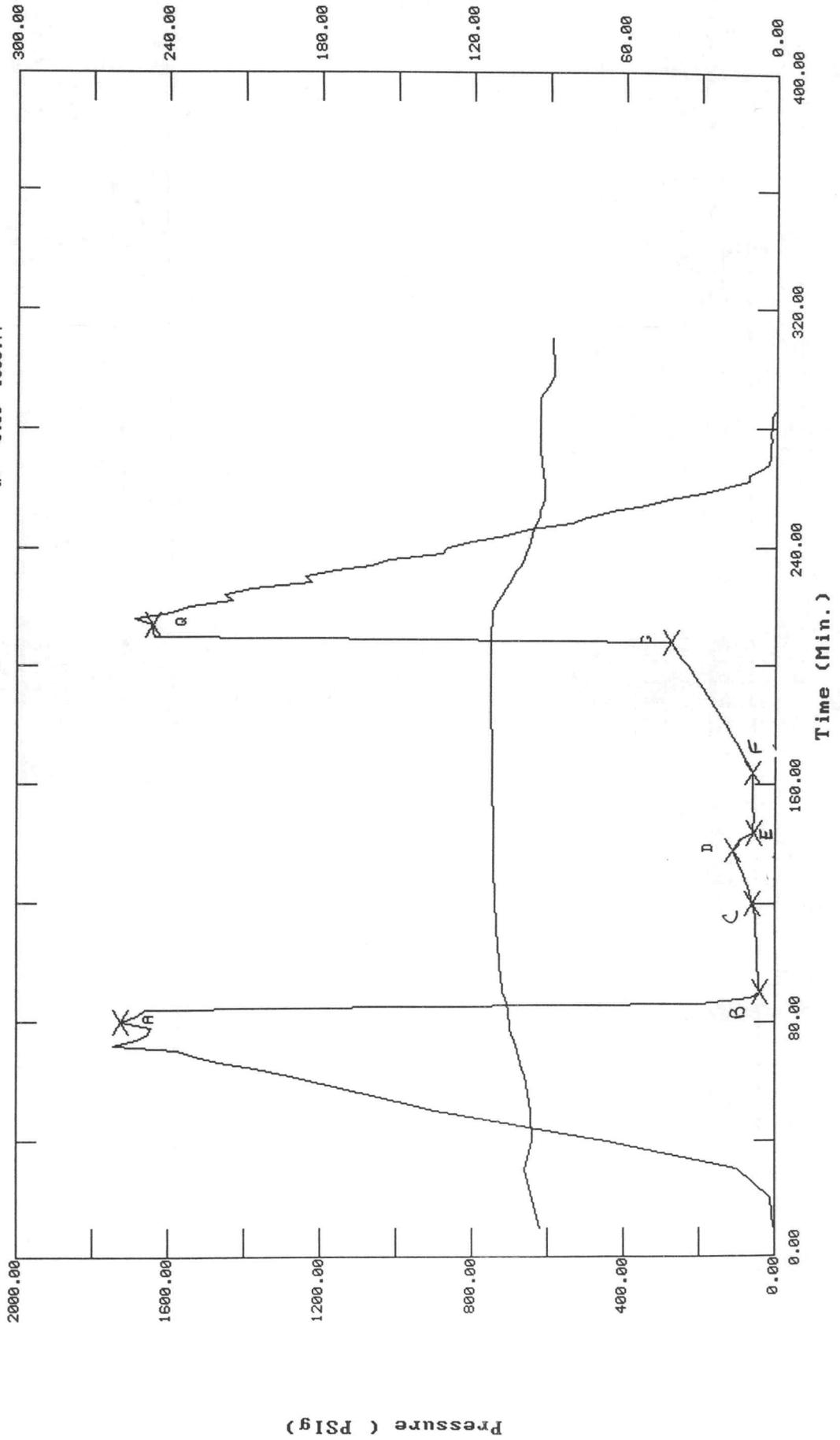
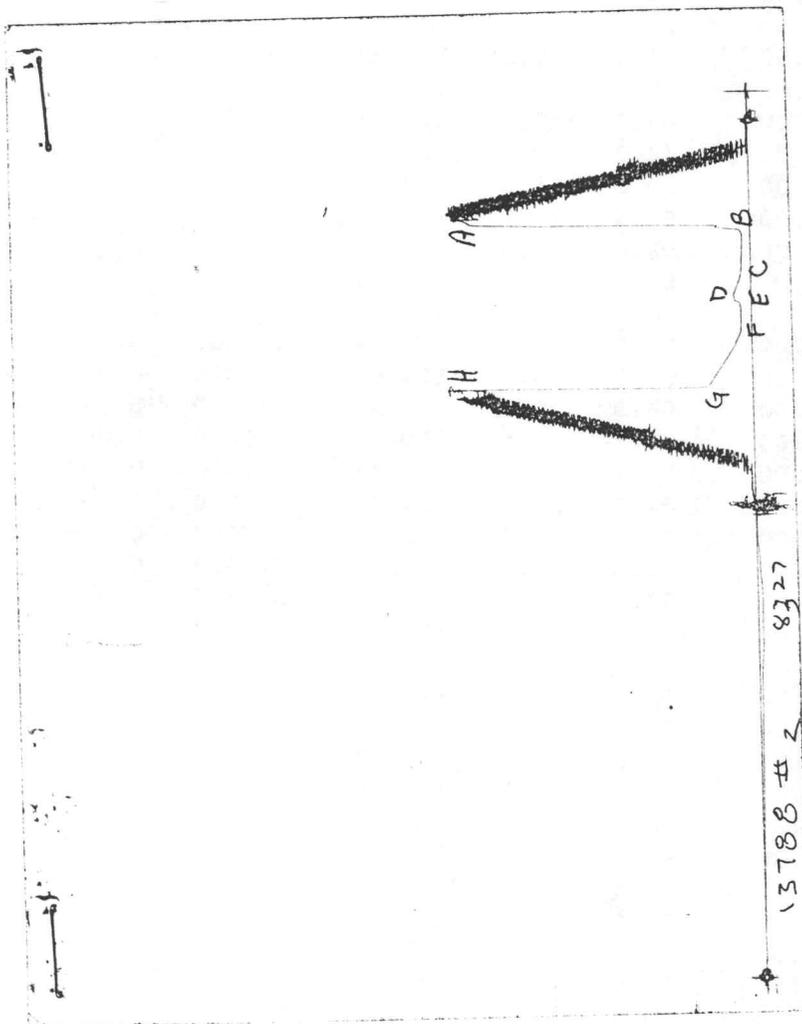


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

ST: 8327 DST#2 RUPE OIL CO.INC. KUMBERG "C"#3-11

TE: 07/22/95

TIME: 17:35:58

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
*** Initial Hydro.	80.00	1723.4	0.0	105.06		
*** Start Flow 1	0.00	39.6	0.0	107.68		
	2.00	40.8	1.2	107.93		
	4.00	42.2	2.6	108.38		
	6.00	43.5	3.9	108.69		
	8.00	44.6	5.0	108.94		
	10.00	45.4	5.8	109.14		
	12.00	46.4	6.8	109.34		
	14.00	47.0	7.4	109.56		
	16.00	47.9	8.3	109.74		
	18.00	48.4	8.8	109.93		
	20.00	49.8	10.2	110.11		
	22.00	49.3	9.7	110.29		
	24.00	50.8	11.2	110.44		
	26.00	51.4	11.7	110.58		
	28.00	53.0	13.4	110.71		
*** End Flow 1	30.00	56.7	17.1	110.83		
*** Start Shutin 1	0.00	56.7	0.0	110.83	0.0000	0.003
	2.00	61.5	4.8	110.96	16.0000	0.004
	4.00	66.0	9.3	111.04	8.5000	0.004
	6.00	72.3	15.5	111.14	6.0000	0.005
	8.00	79.1	22.3	111.23	4.7500	0.006
	10.00	84.3	27.5	111.30	4.0000	0.007
	12.00	89.6	32.9	111.37	3.5000	0.008
	14.00	96.8	40.1	111.43	3.1429	0.009
	16.00	103.3	46.6	111.47	2.8750	0.011
*** End Shut-in 1	18.00	109.5	52.8	111.50	2.6667	0.012
*** Start Flow 2	0.00	53.5	0.0	111.62		
	2.00	57.5	4.0	111.66		
	4.00	55.8	2.3	111.67		
	6.00	56.4	2.9	111.70		
	8.00	58.1	4.6	111.76		
	10.00	56.9	3.4	111.82		
	12.00	58.1	4.6	111.90		
	14.00	59.0	5.5	111.98		
	16.00	57.1	3.7	112.04		
	18.00	58.9	5.5	112.10		
*** End Flow 2	20.00	60.4	7.0	112.16		
*** Start Shutin 2	0.00	60.4	0.0	112.16	0.0000	0.004
	2.00	67.1	6.7	112.21	26.0000	0.005
	4.00	75.2	14.8	112.26	13.5000	0.006
	6.00	83.2	22.8	112.30	9.3333	0.007
	8.00	91.6	31.2	112.33	7.2500	0.008
	10.00	100.1	39.7	112.35	6.0000	0.010
	12.00	108.8	48.3	112.39	5.1667	0.012
	14.00	117.8	57.4	112.40	4.5714	0.014
	16.00	127.2	66.8	112.44	4.1250	0.016
	18.00	137.0	76.5	112.45	3.7778	0.019
	20.00	146.9	86.5	112.50	3.5000	0.022
	22.00	156.9	96.4	112.52	3.2727	0.025
	24.00	166.8	106.4	112.58	3.0833	0.028

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

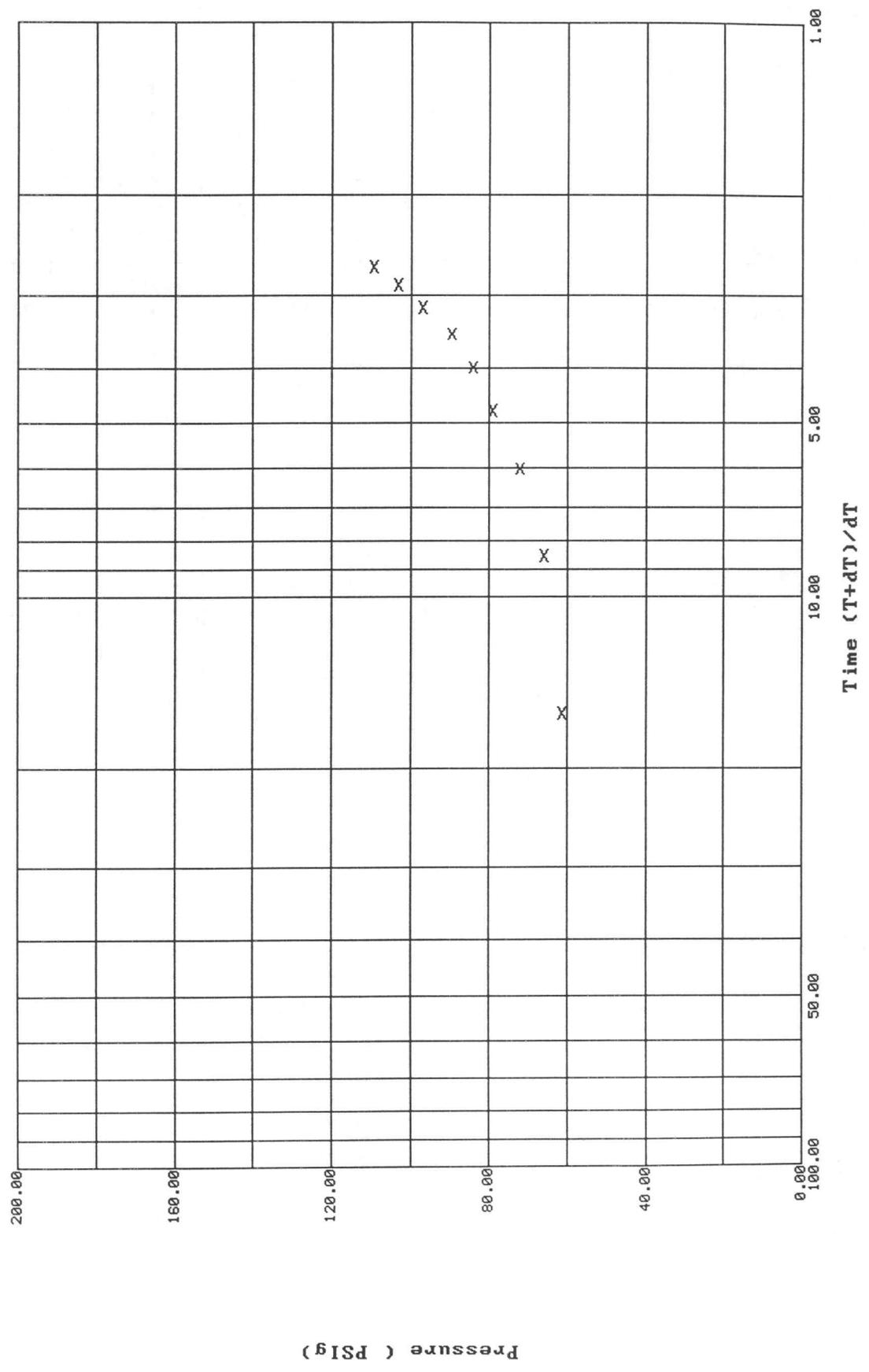
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DATE: 07/22/95

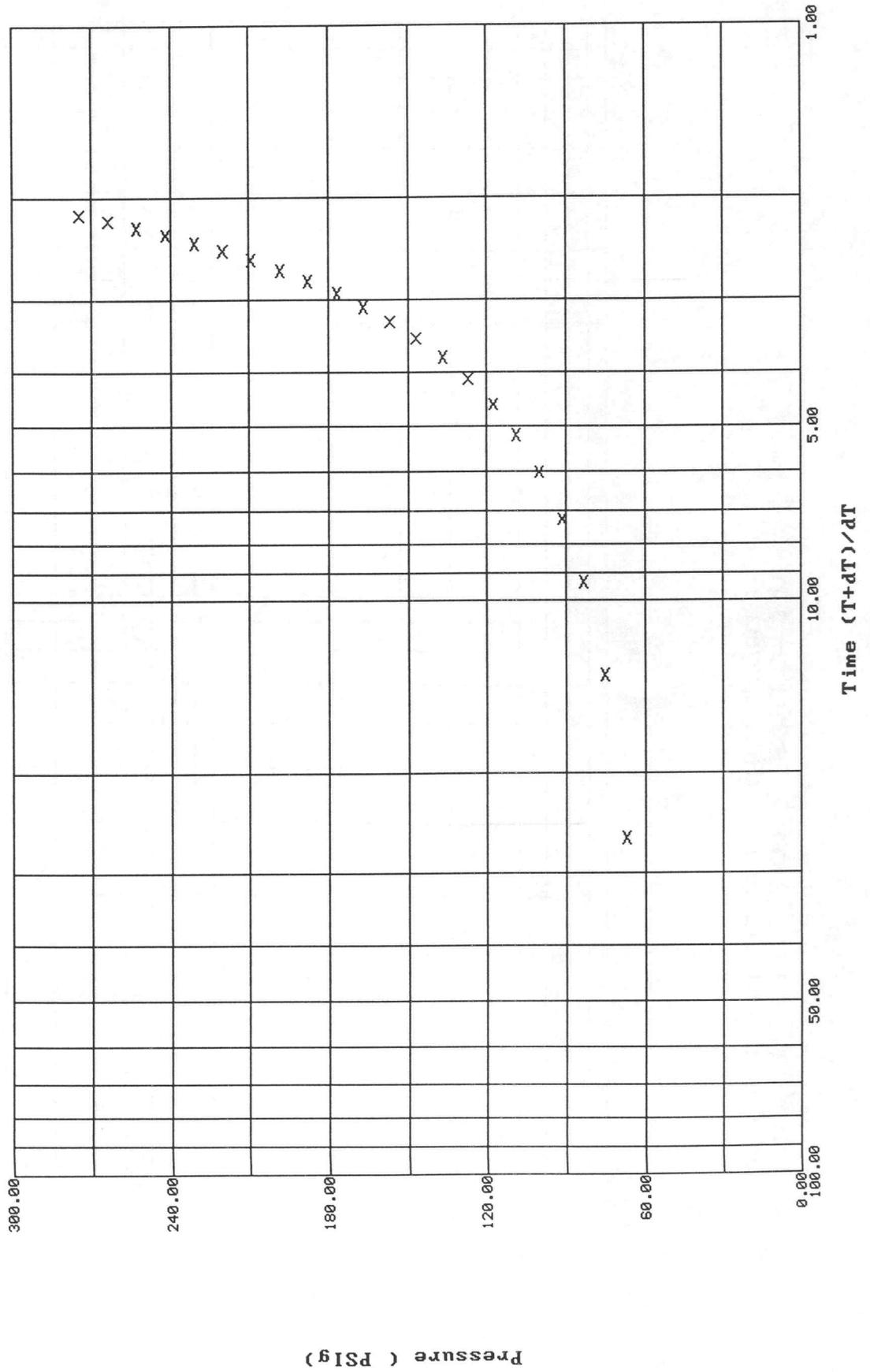
TIME: 17:35:58

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	26.00	177.1	116.7	112.62	2.9231	0.031
	28.00	187.7	127.2	112.63	2.7857	0.035
	30.00	198.4	138.0	112.63	2.6667	0.039
	32.00	209.2	148.8	112.63	2.5625	0.044
	34.00	220.1	159.7	112.63	2.4706	0.048
	36.00	230.9	170.5	112.63	2.3889	0.053
	38.00	241.9	181.5	112.63	2.3158	0.059
	40.00	252.8	192.4	112.63	2.2500	0.064
	42.00	263.7	203.3	112.63	2.1905	0.070
***** End Shut-in 2	44.00	274.7	214.3	112.63	2.1364	0.075
***** Final Hydro.	214.00	1638.8	0.0	112.34		

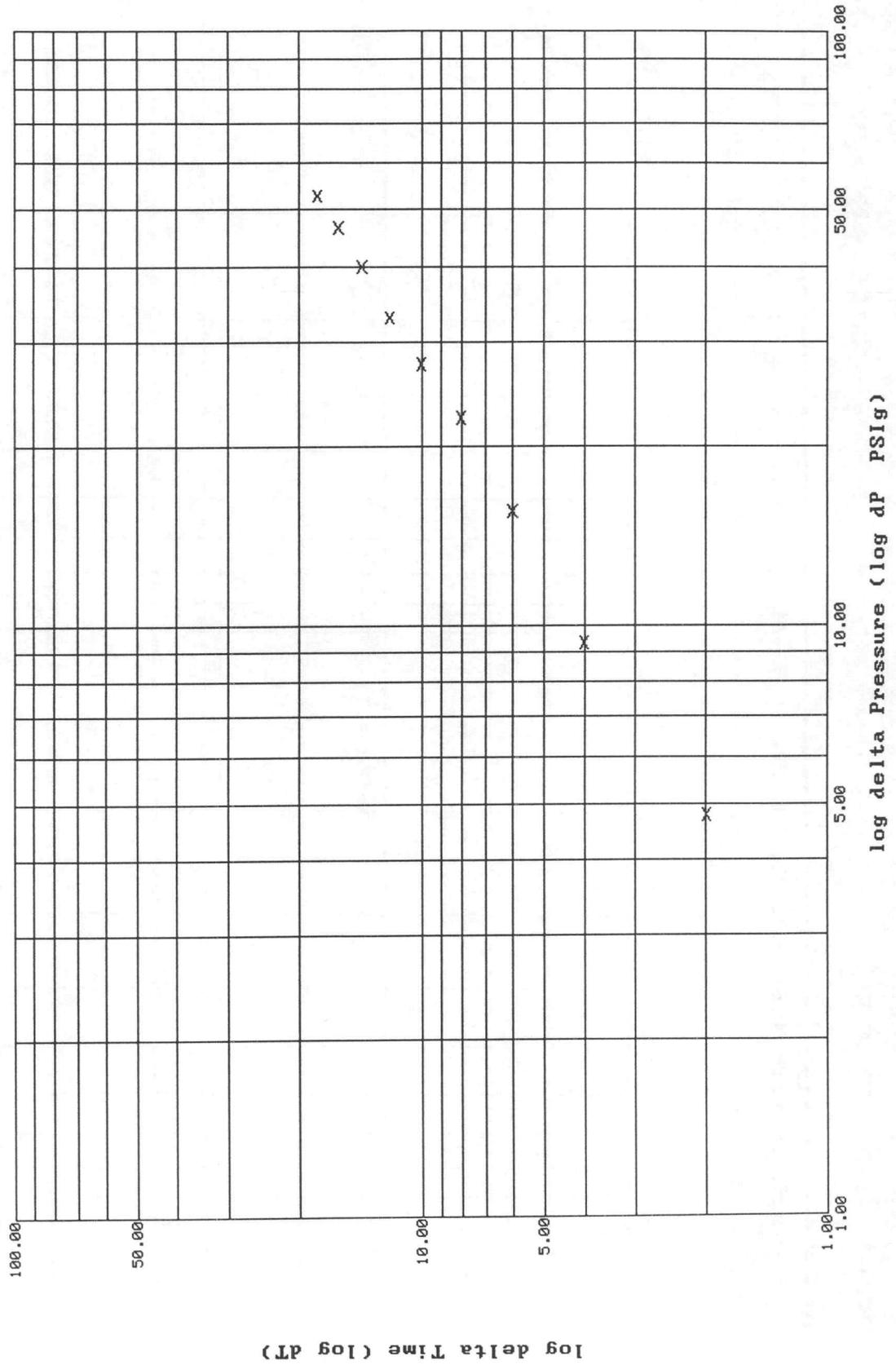
Horner Plot: shut-in #1
8327 DST#2 RUPE OIL CO. INC. KUMBERG "C"#3-11



Horner Plot: shut-in #2
 8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11

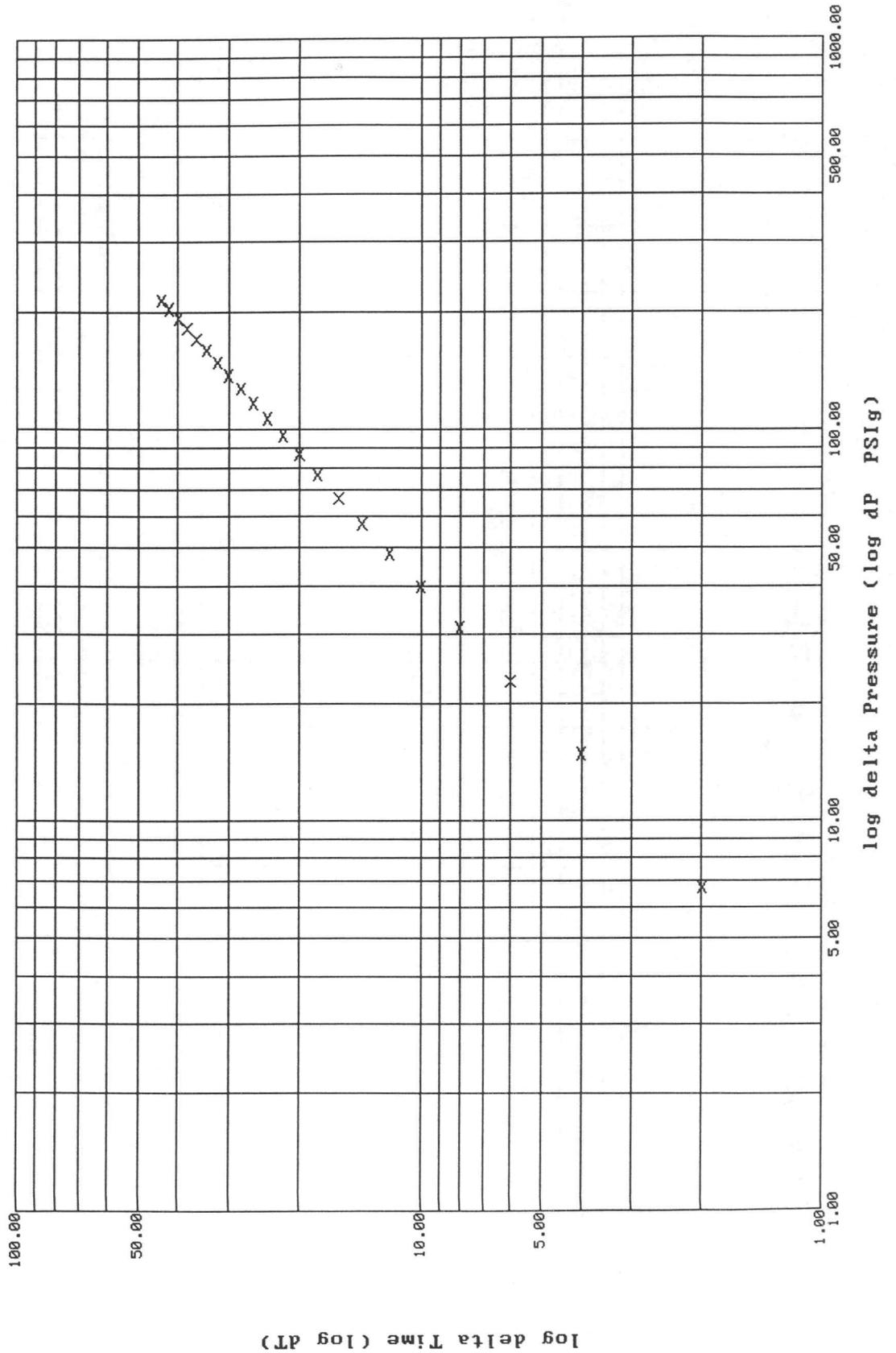


McKinley Plot: shut-in #1
 8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11

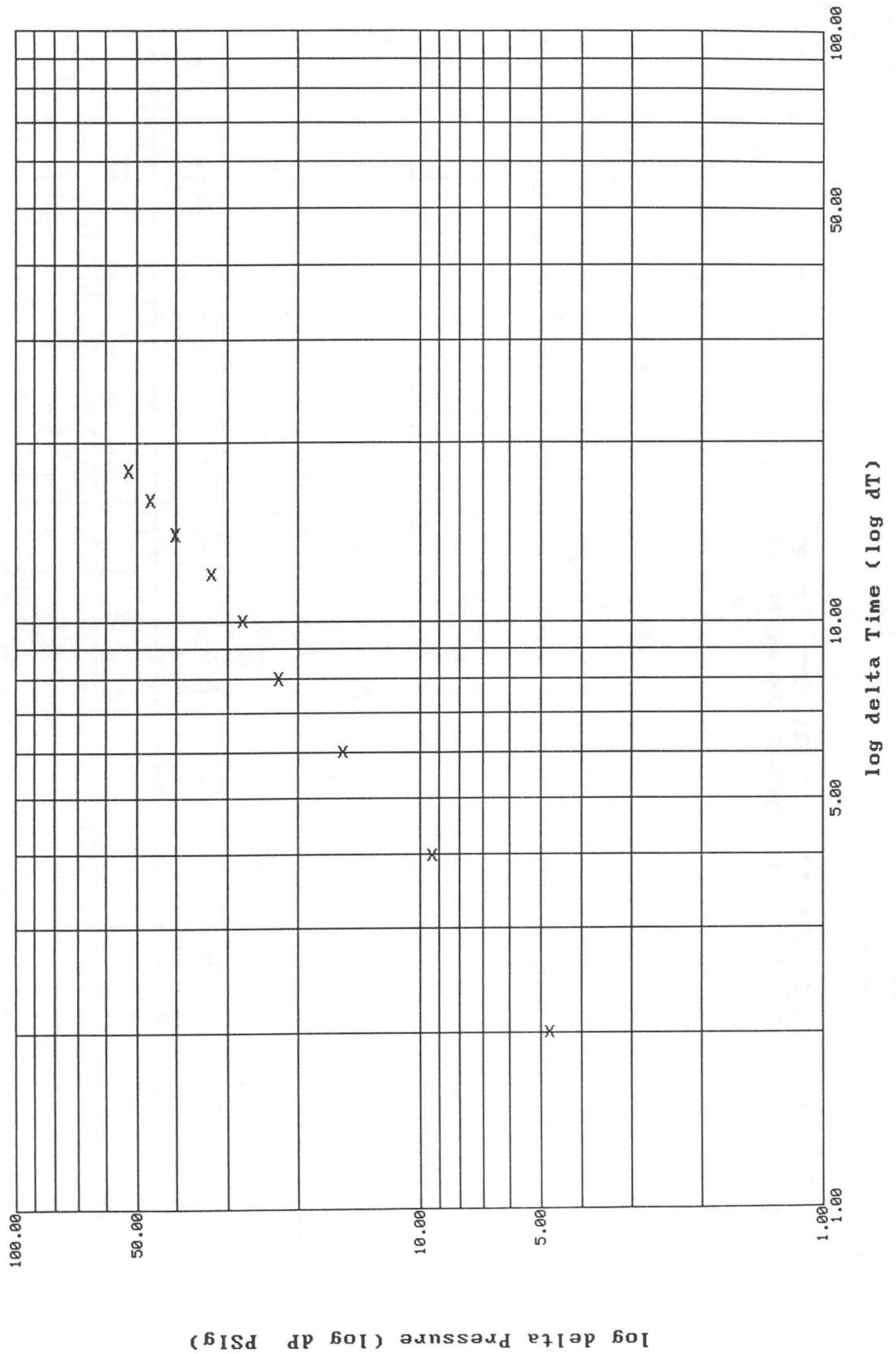


McKinley Plot: shut-in #2

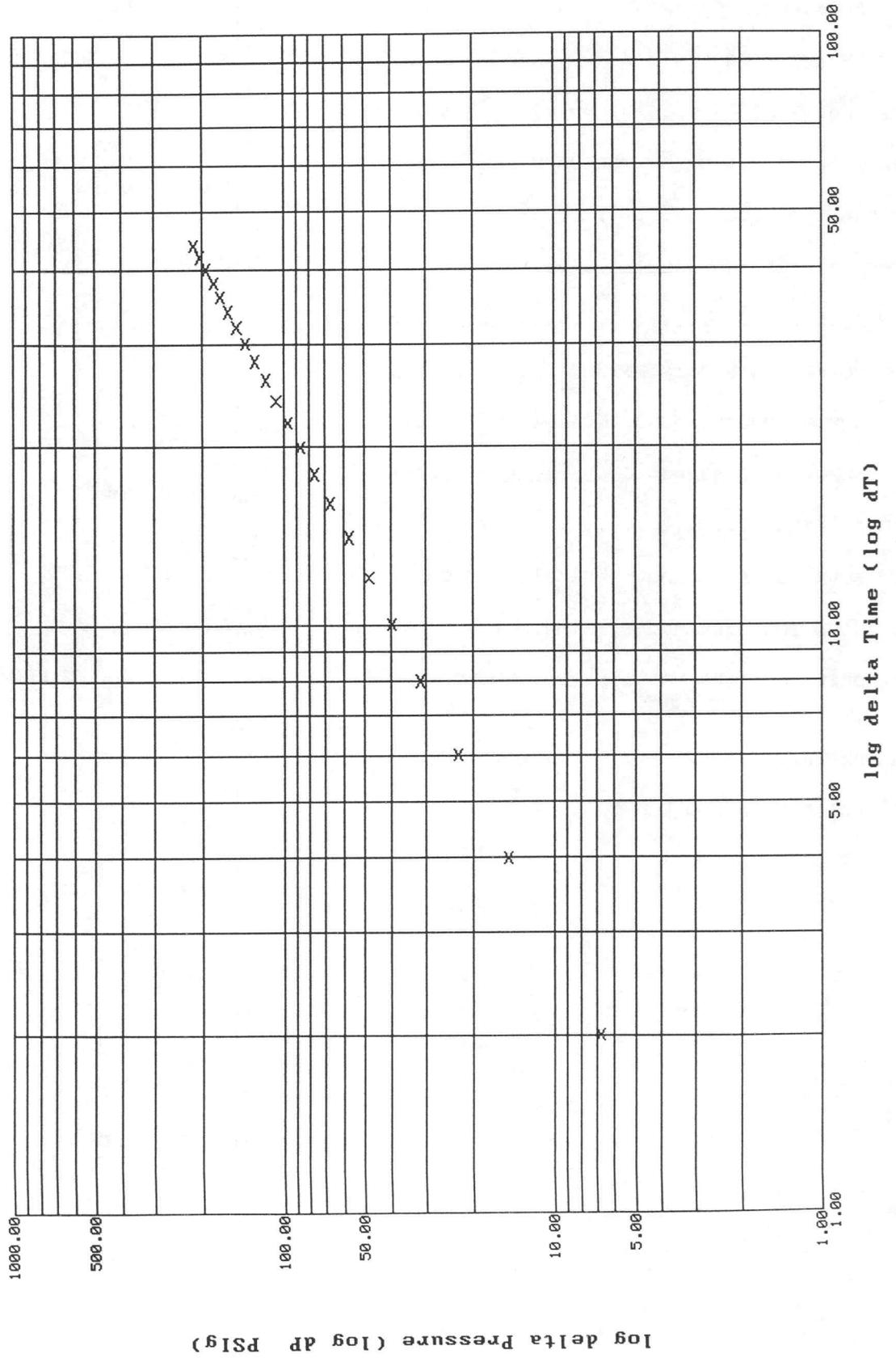
8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11



Ramey Plot: shut-in #1
8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11



Ramey Plot: shut-in #2
8327 DST#2 RUPE OIL CO. INC. KUMBERG "C" #3-11



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: KUMBERG"C"#3-11

LOCATION : 11-30S-12W,

TICKET No. 8327 D.S.T. No. 2 DATE 7-22-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 16

TOTAL TOOL 39

DRILL COLLAR ANCHOR IN INTERVAL 0

D.C. ANCHOR STND.Stands 0 Single 0 Total 0

D.P. ANCHOR STND.Stands 0 Single 0 Total 0

TOTAL ASSEMBLY 39

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 55 Single 1 Total 3456

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3495

TOTAL DEPTH 3482

TOTAL DRILL PIPE ABOVE K.B. 13

REMARKS:

	P.O. SUB	3443
	C.O. SUB	3445
	S.I. TOOL H&T	3450
	HMV STERLING	3456
	JARS	
	SAFETY JOINT BOWEN	3458
	PACKER TOP	3461
	PACKER BTM.	3466
	DEPTH 3466	
	STUBB 3467	
	ANCHOR	
	10 FT.PERFS FROM	3467
	T.C.	
	DEPTH	
	10 FT.PERFS TO	3477
	BULLNOSE	
	T.D. 5 FT.PERFORATED TO	3482

TRILOBITE TESTING L.L.C.

OPERATOR : RUPE OIL CO.INC
 WELL NAME: KUMBERG"C"#3-11
 LOCATION : 11-30S-12W, BARBER CTY KS
 INTERVAL : 3481.00 To 3490.00 ft

DATE 7-23-95
 KB 1812.00 ft
 GR 1803.00 ft
 TD 3490.00 ft

TICKET NO: 8328
 FORMATION: ELGIN SD.
 TEST TYPE: CONVENTIONAL

DST #3

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	AK-1	AK-1	Alpine		PF Fr. 30 to hr
SI	30	Range(Psi)	4650.0	4650.0	4995.0	0.0 0.0	IS Fr. 30 to hr
SF	15	Clock(hrs)	22993	22993			SF Fr. 15 to hr
FS	30	Depth(ft)	3486.0	3486.0	3487.0	0.0 0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	1752.0	1710.0	0.0	0.0	T STARTED 0400 hr
B. First Flow	0.0	27.0	19.0	0.0	0.0	T ON BOTM 0528 hr
B1. Final Flow	0.0	27.0	20.0	0.0	0.0	T OPEN 0532 hr
C. In Shut-in	0.0	585.0	585.0	0.0	0.0	T PULLED 0717 hr
D. Init Flow	0.0	27.0	20.0	0.0	0.0	T OUT 0905 hr
E. Final Flow	0.0	33.0	21.0	0.0	0.0	
F. Fl Shut-in	0.0	749.0	751.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	1698.0	1669.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 3.00 ft of 0.00 ft in DC and 3.00 ft in DP
 3.00 ft of Drilling Mud
 0.00 ft of
 0.00 ft of

Unseated Str Wt 44000.00 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 0.00 ft
 D.P. Length 3488.00 ft

EST FT OF PAY 8'

SALINITY 9000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Very weak blow, died in 15 min

Final Blow -
 No blow

MUD DATA-----
 Mud Type Chemical
 Weight 9.40 lb/c
 Vis. 54.00 S/L
 W.L. 18.00 in3
 F.C. 0.00 in
 Mud Drop

Amt. of fill 0.00 ft
 Btm. H. Temp. 107.00 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. REBECCA DROGE
 Contr. DUKE DRLG.
 Rig # 5
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

TEST HISTORY
 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	1709.52
B:	0.00	18.54
C:	34.00	19.80
D:	24.00	584.72
E:	0.00	20.05
F:	14.00	20.81
G:	30.00	751.06
H:	0.00	1668.98

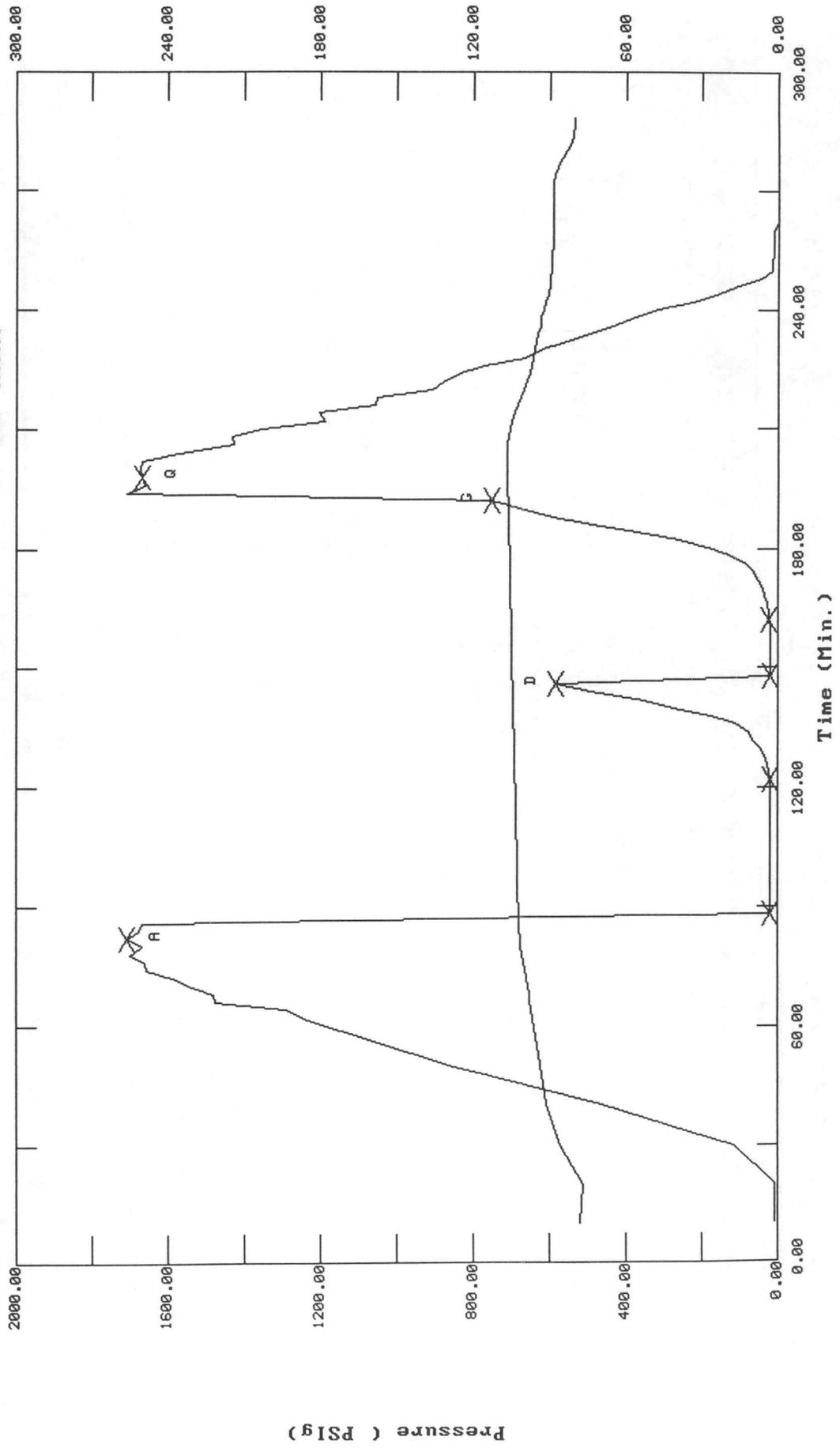
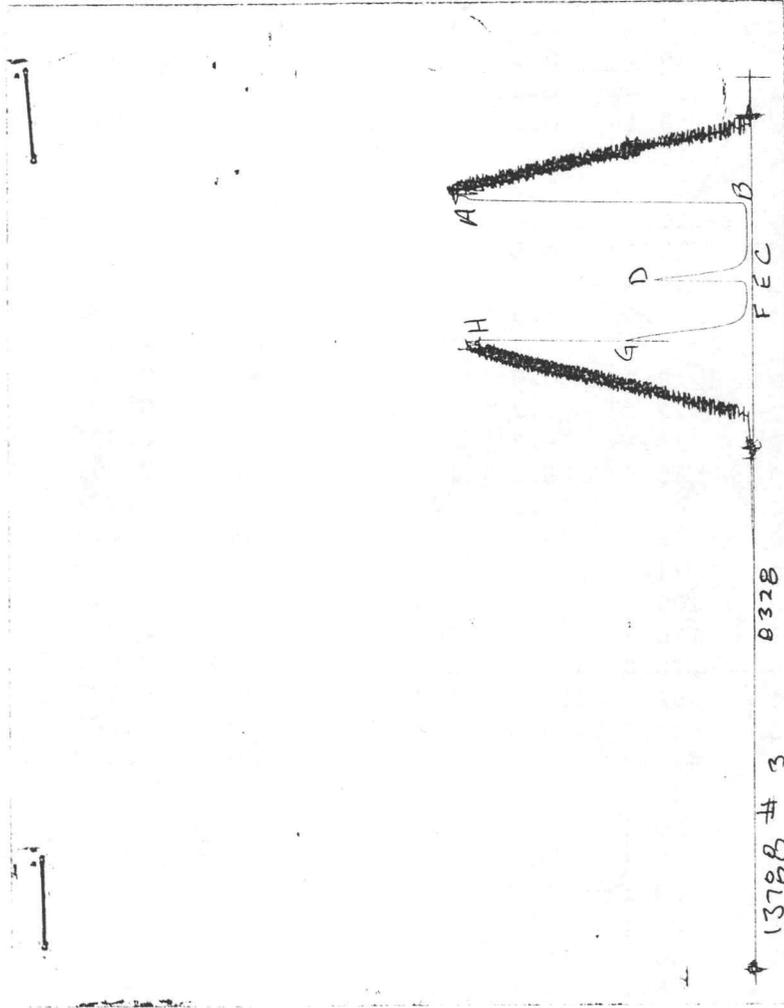


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

ST: 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO.INC.

TE: 07/23/95

TIME: 04:00:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
*** Initial Hydro.	82.00	1709.5	0.0	101.42		
*** Start Flow 1	0.00	18.5	0.0	102.12		
	2.00	19.0	0.5	102.17		
	4.00	19.1	0.6	102.21		
	6.00	19.1	0.6	102.27		
	8.00	19.2	0.7	102.33		
	10.00	19.2	0.7	102.39		
	12.00	19.3	0.8	102.47		
	14.00	19.3	0.8	102.56		
	16.00	19.3	0.8	102.63		
	18.00	19.4	0.8	102.71		
	20.00	19.4	0.8	102.80		
	22.00	19.4	0.8	102.89		
	24.00	19.5	0.9	102.98		
	26.00	19.5	1.0	103.07		
	28.00	19.5	1.0	103.16		
	30.00	19.3	0.8	103.22		
	32.00	19.4	0.8	103.32		
*** End Flow 1	34.00	19.8	1.3	103.41		
*** Start Shutin 1	0.00	19.8	0.0	103.41	0.0000	0.000
	2.00	23.1	3.3	103.50	18.0000	0.001
	4.00	28.1	8.3	103.60	9.5000	0.001
	6.00	35.6	15.8	103.68	6.6667	0.001
	8.00	46.7	26.9	103.77	5.2500	0.002
	10.00	65.3	45.5	103.86	4.4000	0.004
	12.00	74.4	54.6	103.96	3.8333	0.006
	14.00	109.8	90.0	104.05	3.4286	0.012
	16.00	176.2	156.4	104.14	3.1250	0.031
	18.00	276.0	256.2	104.24	2.8889	0.076
	20.00	352.7	332.9	104.34	2.7000	0.124
	22.00	490.5	470.8	104.42	2.5455	0.241
*** End Shut-in 1	24.00	584.7	564.9	104.53	2.4167	0.342
*** Start Flow 2	0.00	20.1	0.0	104.62		
	2.00	20.1	0.0	104.68		
	4.00	20.1	0.0	104.75		
	6.00	20.1	0.0	104.83		
	8.00	20.1	0.0	104.91		
	10.00	20.1	0.1	105.00		
	12.00	20.1	0.1	105.06		
*** End Flow 2	14.00	20.8	0.8	105.06		
*** Start Shutin 2	0.00	20.8	0.0	105.06	0.0000	0.000
	2.00	24.1	3.3	105.10	25.0000	0.001
	4.00	28.2	7.4	105.23	13.0000	0.001
	6.00	33.6	12.8	105.32	9.0000	0.001
	8.00	40.4	19.6	105.41	7.0000	0.002
	10.00	50.0	29.2	105.48	5.8000	0.003
	12.00	63.5	42.7	105.57	5.0000	0.004
	14.00	84.3	63.5	105.65	4.4286	0.007
	16.00	117.1	96.3	105.72	4.0000	0.014
	18.00	172.2	151.4	105.80	3.6667	0.030
	20.00	257.7	236.9	105.88	3.4000	0.066

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

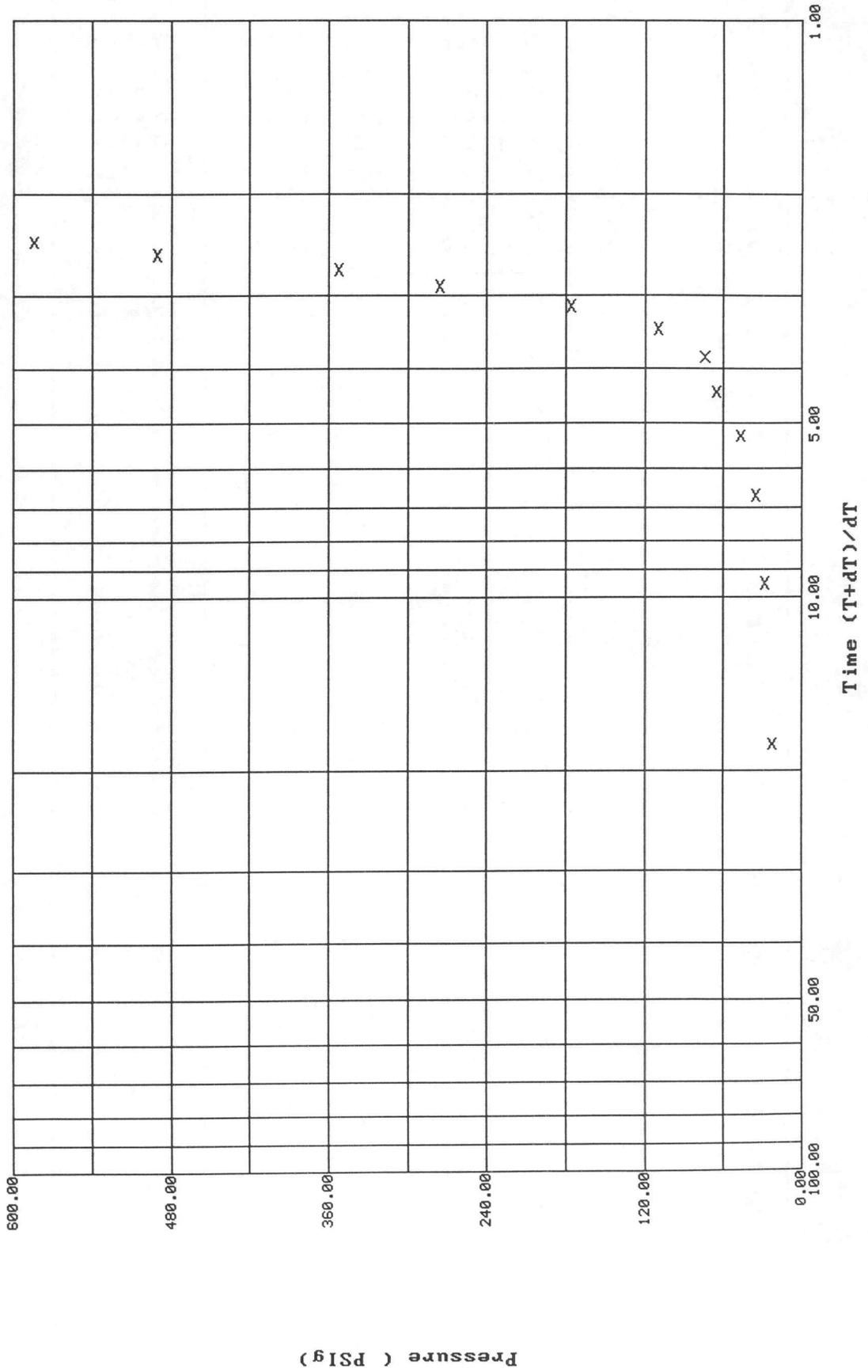
TEST: 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO.INC.

DATE: 07/23/95

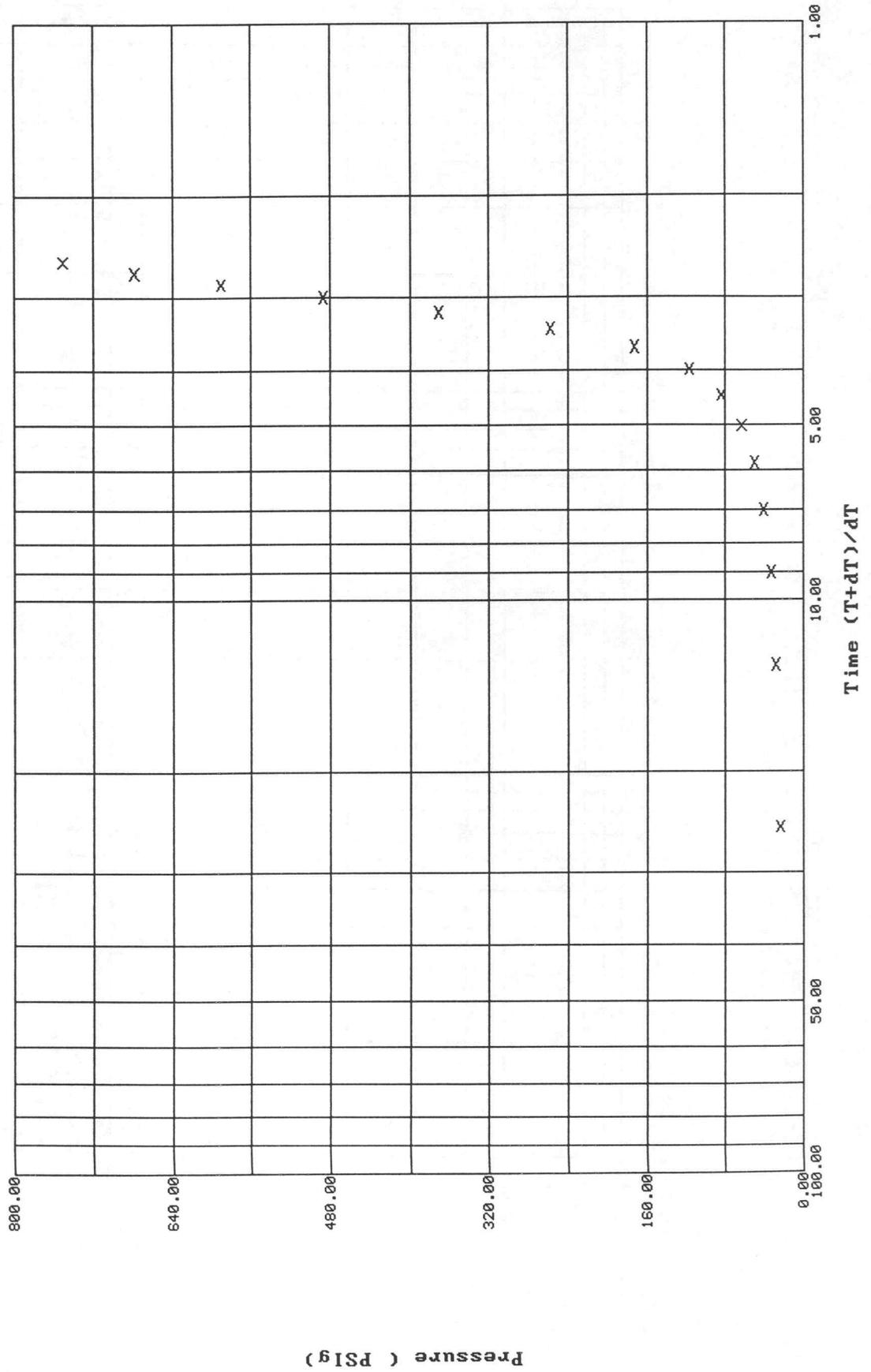
TIME: 04:00:41

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	22.00	370.4	349.6	105.97	3.1818	0.137
	24.00	486.7	465.9	106.06	3.0000	0.237
	26.00	590.6	569.8	106.15	2.8462	0.349
	28.00	678.5	657.7	106.24	2.7143	0.460
***** End Shut-in 2	30.00	751.1	730.3	106.34	2.6000	0.564
***** Final Hydro.	198.00	1669.0	0.0	106.67		

Horner Plot: shut-in #1
 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.

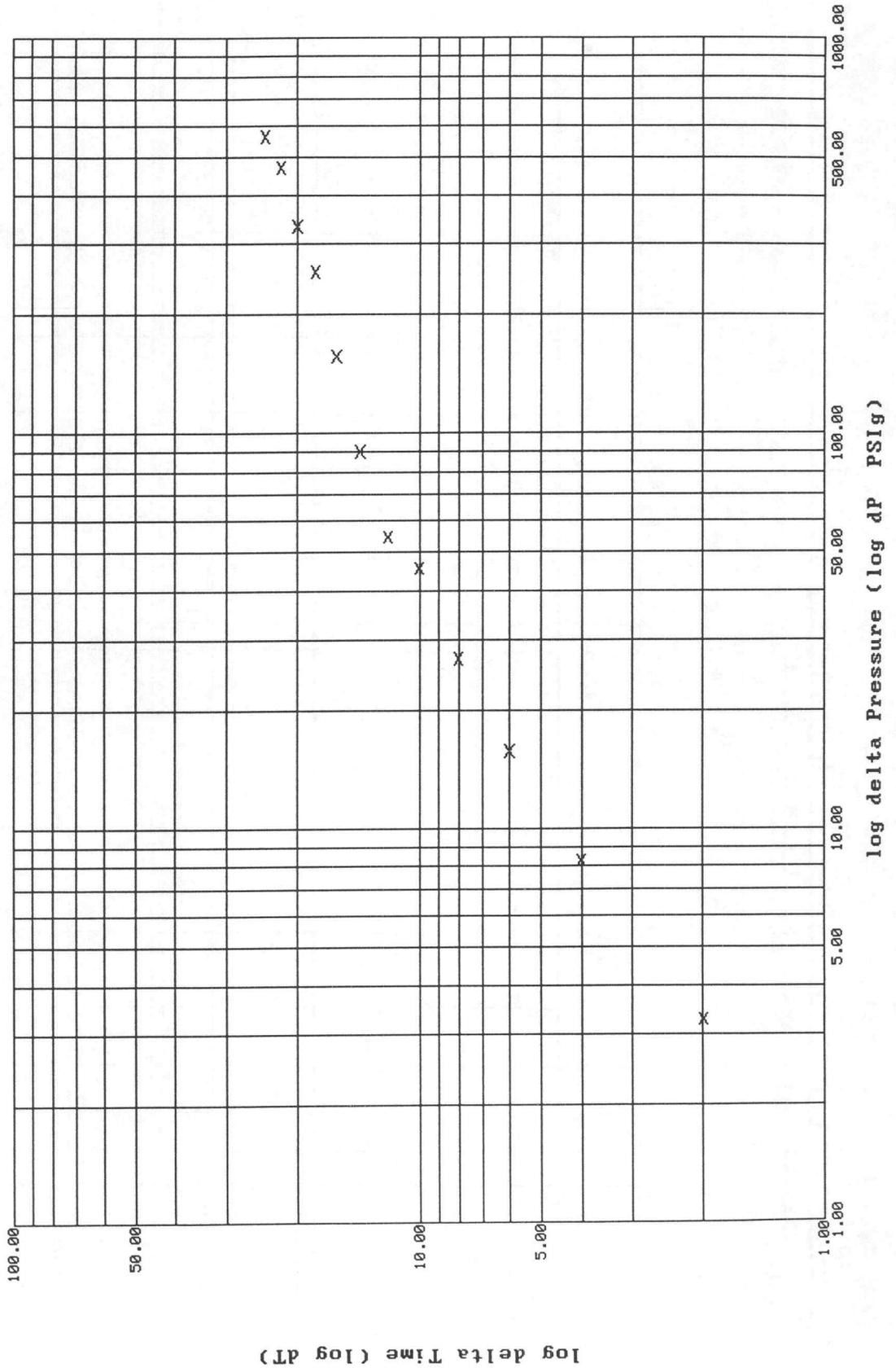


Horner Plot: shut-in #2
 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.

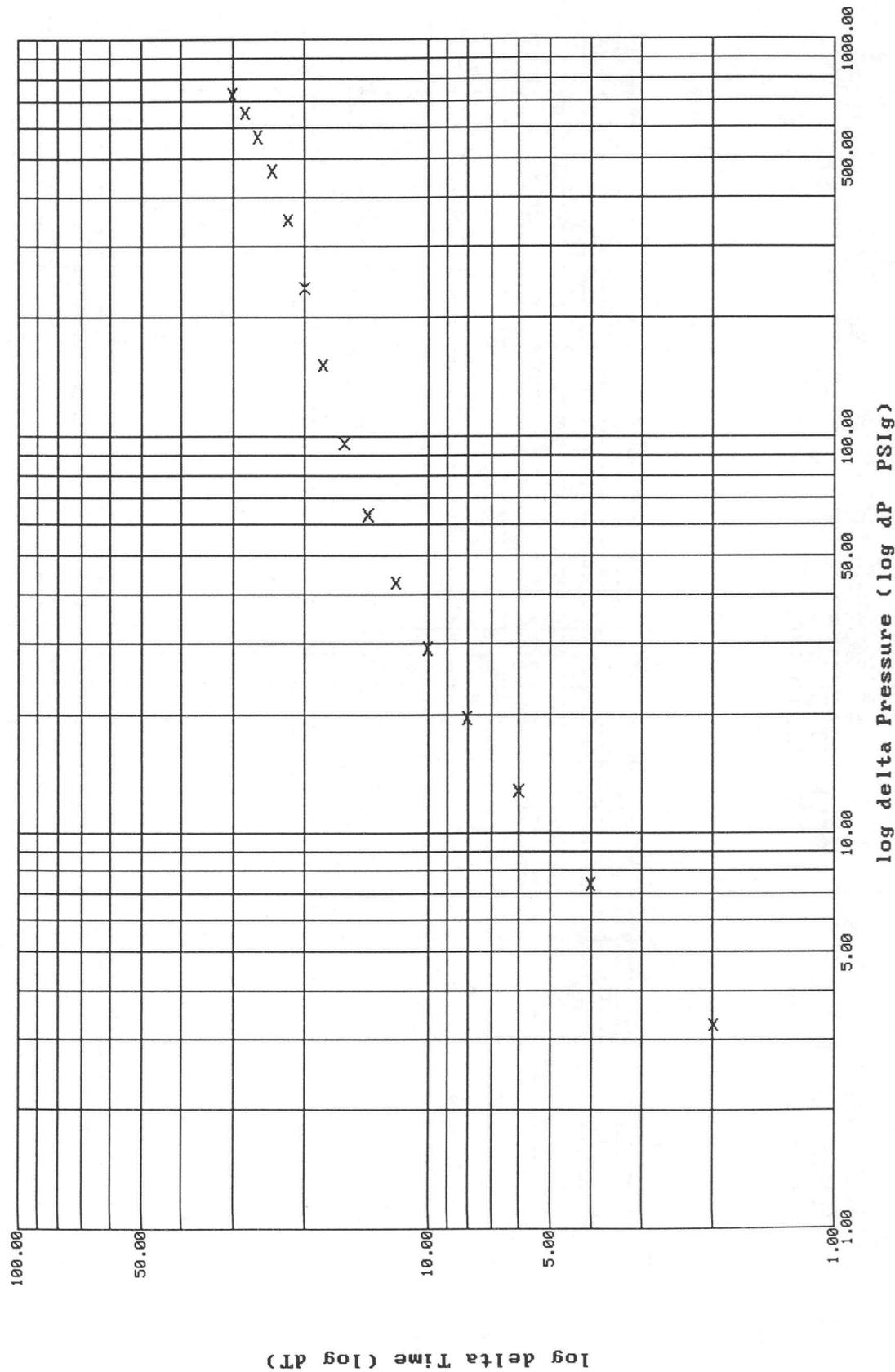


McKinley Plot: shut-in #1

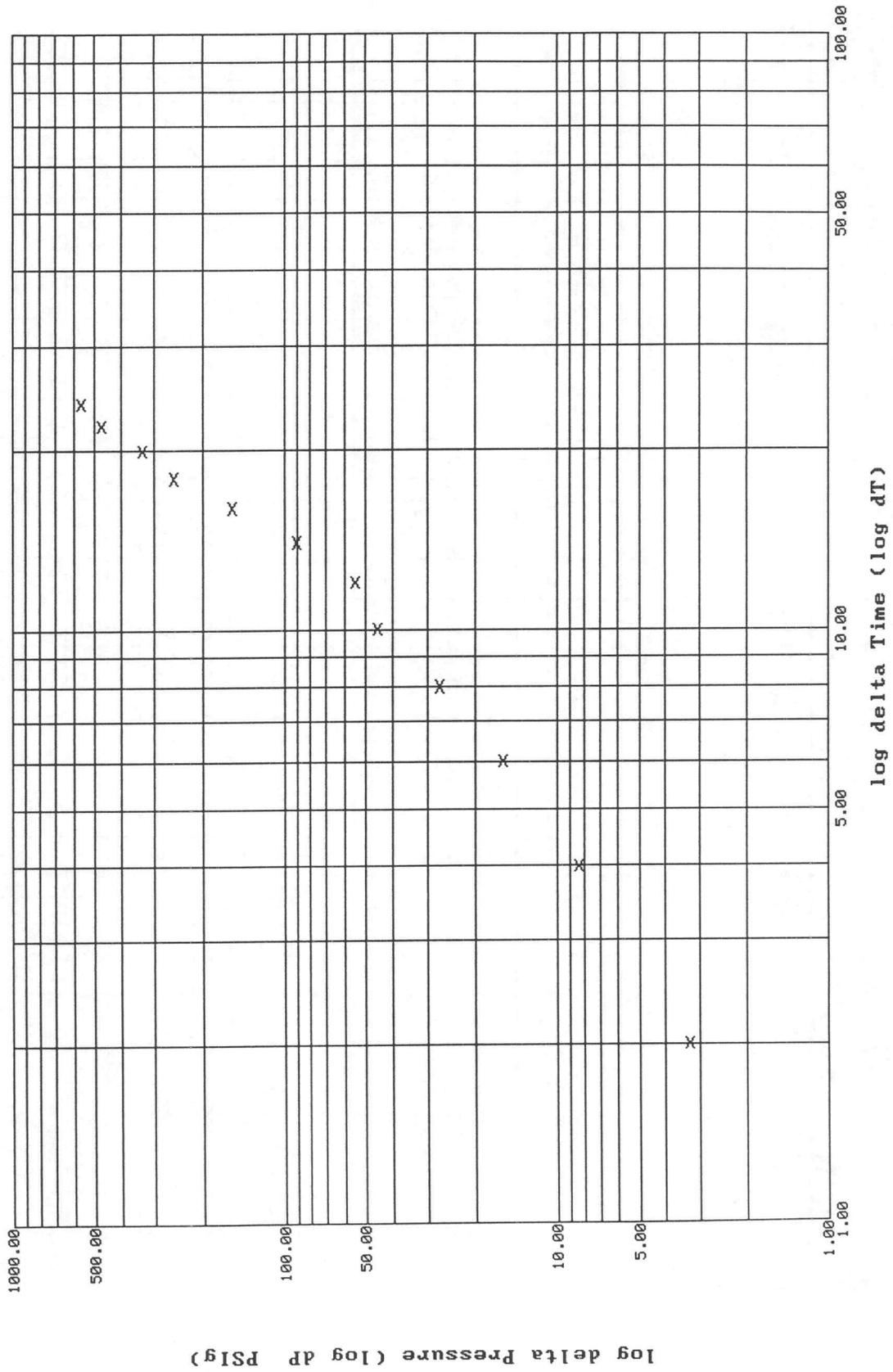
8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.



McKinley Plot: shut-in #2
 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.



Ramey Plot: shut-in #1
8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.



Ramey Plot: shut-in #2
 8328 DST#3 KUMBERG"C" #3-11 RUPE OIL CO. INC.

