

23-11s-21w
ORIGINAL

Computer Inventoried

Well Name:	LOUISE #1			
Company :	NOBLE PETROLEUM INC			
Location - Sec:	23	Twp:	11S	Rge: 21W
County:	TREGO	State:	KS	
Date:	28-Oct-95			15-195-22161

KCC

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W. H. H. H.

W. H. H. H.

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Noble Petroleum, Inc.

DATE 10-26-95

WELL NAME: Louise #1

KB 2300.00 ft

TICKET NO: 8763

DST #1

LOCATION : 23-11S-21W, Trego Cty KS

GR 2292.00 ft

FORMATION: LKC "B"

INTERVAL : 3605.00 To 3632.00 ft

TD 3632.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	2350			PF Fr. 1742 to 1812 hr
SI 30 Range(Psi)	4375.0	4375.0	4995.0	0.0	0.0	IS Fr. 1812 to 1842 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 1842 to 1912 hr
FS 30 Depth(ft)	3627.0	3627.0	3609.0	0.0	0.0	FS Fr. 1912 to 1942 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	1764.0	1788.0	0.0	0.0	T STARTED 1625 hr
B. First Flow	0.0	86.0	49.0	0.0	0.0	T ON BOTM 1737 hr
B1. Final Flow	0.0	217.0	232.0	0.0	0.0	T OPEN 1742 hr
C. In Shut-in	0.0	651.0	661.0	0.0	0.0	T PULLED 1942 hr
D. Init Flow	0.0	283.0	253.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	0.0	361.0	373.0	0.0	0.0	
F. Fl Shut-in	0.0	644.0	653.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	1737.0	1764.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 45000.00 lbs
						Initial Str Wt 41000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.82 in
						D.C. Length 0.00 ft
						D.P. Length 3584.00 ft

RECOVERY

Tot Fluid 806.00 ft of 0.00 ft in DC and 806.00 ft in DP
806.00 ft of Muddy Water - 20% mud, 80% water

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	44.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Blow -

Strong, bottom of bucket in 6 min

Final Blow -

Strong, bottom of bucket in 9 min

Amt. of fill	0.00 ft
Btm. H. Temp.	117.00 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	

SAMPLES:

SENT TO:

Tester	DAN BANGLE
Co. Rep.	JAY ABLAH
Contr.	DUKE
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

Ticket #8763 DST# 1 LOUISE#1 Noble Petro. Inc.

Flag Points

Time (Min.) Pressure (PSig)

A1	0.00	1787.82
B1	0.00	48.92
C1	27.00	232.22
D1	30.00	661.34
E1	0.00	253.45
F1	27.00	373.30
G1	30.00	652.61
H1	0.00	1784.32

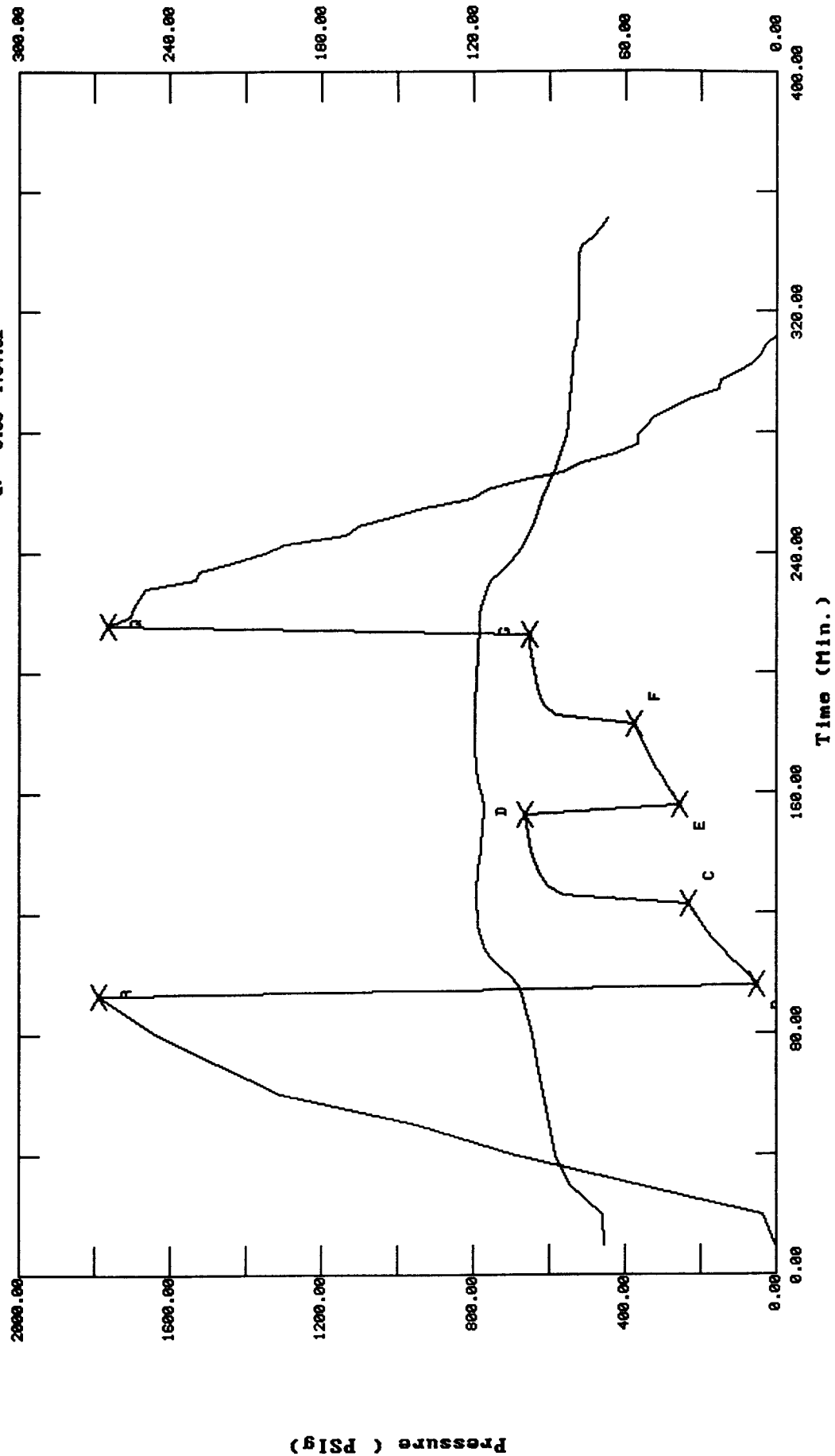
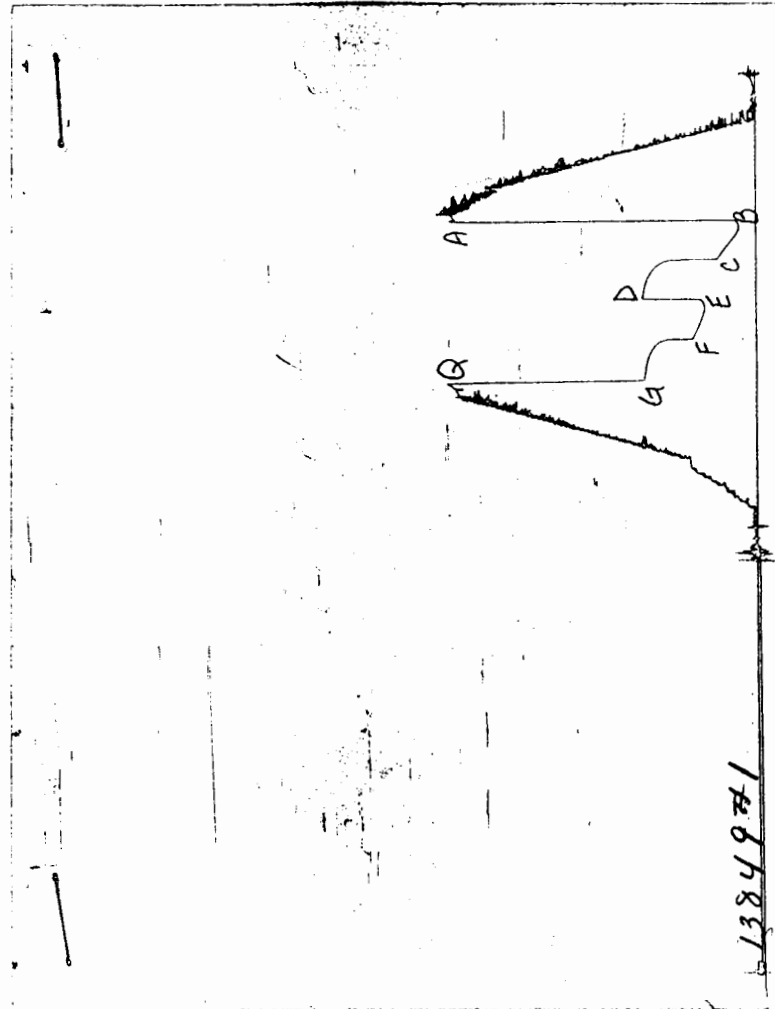


CHART PAGE



This is an actual photograph of recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Ticket #8763 DST# 1 LOUISE#1 Noble Petro. Inc.
 DATE: 10/26/95 TIME: 04:07:58

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	93.00	1787.8	0.0	100.95		
***** Start Flow 1	0.00	48.9	0.0	101.67		
	3.00	70.7	21.8	104.82		
	6.00	96.3	47.4	108.85		
	9.00	119.4	70.5	112.34		
	12.00	140.2	91.3	114.82		
	15.00	161.1	112.2	116.38		
	18.00	180.7	131.8	117.32		
	21.00	198.9	150.0	117.92		
	24.00	216.2	167.3	118.31		
***** End Flow 1	27.00	232.2	183.3	118.57		
***** Start Shutin 1	0.00	232.2	0.0	118.57	0.0000	0.054
	3.00	563.4	331.2	118.73	10.0000	0.317
	6.00	603.9	371.7	118.54	5.5000	0.365
	9.00	621.1	388.8	118.20	4.0000	0.386
	12.00	632.0	399.7	117.83	3.2500	0.399
	15.00	639.8	407.6	117.46	2.8000	0.409
	18.00	645.9	413.7	117.12	2.5000	0.417
	21.00	650.8	418.5	116.81	2.2857	0.423
	24.00	654.7	422.5	116.53	2.1250	0.429
	27.00	658.3	426.1	116.25	2.0000	0.433
***** End Shut-in 1	30.00	661.3	429.1	115.98	1.9000	0.437
***** Start Flow 2	0.00	253.5	0.0	115.82		
	3.00	269.2	15.8	116.45		
	6.00	285.1	31.6	117.41		
	9.00	300.5	47.1	118.14		
	12.00	314.6	61.2	118.60		
	15.00	327.6	74.1	118.92		
	18.00	340.1	86.6	119.05		
	21.00	351.9	98.4	119.14		
	24.00	363.2	109.8	119.20		
***** End Flow 2	27.00	373.3	119.8	119.24		
***** Start Shutin 2	0.00	373.3	0.0	119.24	0.0000	0.139
	3.00	584.7	211.4	119.27	19.0000	0.342
	6.00	610.6	237.3	119.26	10.0000	0.373
	9.00	622.3	249.0	119.13	7.0000	0.387
	12.00	630.0	256.7	118.91	5.5000	0.397
	15.00	635.7	262.4	118.67	4.6000	0.404
	18.00	640.3	267.0	118.43	4.0000	0.410
	21.00	644.1	270.8	118.23	3.5714	0.415
	24.00	647.4	274.1	118.05	3.2500	0.419
	27.00	650.2	276.9	117.89	3.0000	0.423
***** End Shut-in 2	30.00	652.6	279.3	117.73	2.8000	0.426
***** Final Hydro.	216.00	1764.3	0.0	117.63		

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petroleum Inc

DATE 10-27-95

WELL NAME: Louise #1

KB 2300.00 ft

TICKET NO: 8764

DST #2

LOCATION : 23-11S-21W, Trego Cty KS

GR 2292.00 ft

FORMATION: E KC

INTERVAL : 3648.00 To 3677.00 ft

TD 3677.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13849	13849	2350			PF Fr. 0808 to 0853 hr
SI 45 Range(Psi)	4375.0	4375.0	4995.0	0.0	0.0	IS Fr. 0853 to 0938 hr
SF 45 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0938 to 1023 hr
FS 45 Depth(ft)	3673.0	3673.0	3652.0	0.0	0.0	FS Fr. 1023 to 1108 hr

	Field	1	2	3	4	
A. Init Hydro	1852.0	1839.0	1730.0	0.0	0.0	T STARTED 0708 hr
B. First Flow	55.0	31.0	18.0	0.0	0.0	T ON BOTM 0803 hr
B1. Final Flow	55.0	36.0	43.0	0.0	0.0	T OPEN 0808 hr
C. In Shut-in	377.0	363.0	392.0	0.0	0.0	T PULLED 1108 hr
D. Init Flow	66.0	42.0	45.0	0.0	0.0	T OUT 1215 hr
E. Final Flow	66.0	51.0	65.0	0.0	0.0	
F. Fl Shut-in	366.0	351.0	376.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1765.0	1785.0	1747.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 42000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.82 in
						D.C. Length 0.00 ft
						D.P. Length 3627.00 ft

RECOVERY

Tot Fluid 90.00 ft of 0.00 ft in DC and 90.00 ft in DP
 90.00 ft of Muddy water

RW .14 @ 76 F
 SALINITY 42000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 Weak, building to 3"

Final Blow -
 Weak, building to .25"

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	44.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	112.00 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	
Tester	DAN BANGLE
Co. Rep.	JAY ABLAH
Contr.	DUKE
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

TEST HISTORY

TICKET# 8764 DST#2 LOUISE #1 NOBLE PETRO. INC.

Flag Points

t(Min.) PK PSIG

A:	0.00	1730.42
B:	0.00	18.29
C:	45.00	42.88
D:	42.00	391.93
E:	0.00	44.58
F:	45.00	64.62
G:	42.00	376.32
Q:	0.00	1746.78

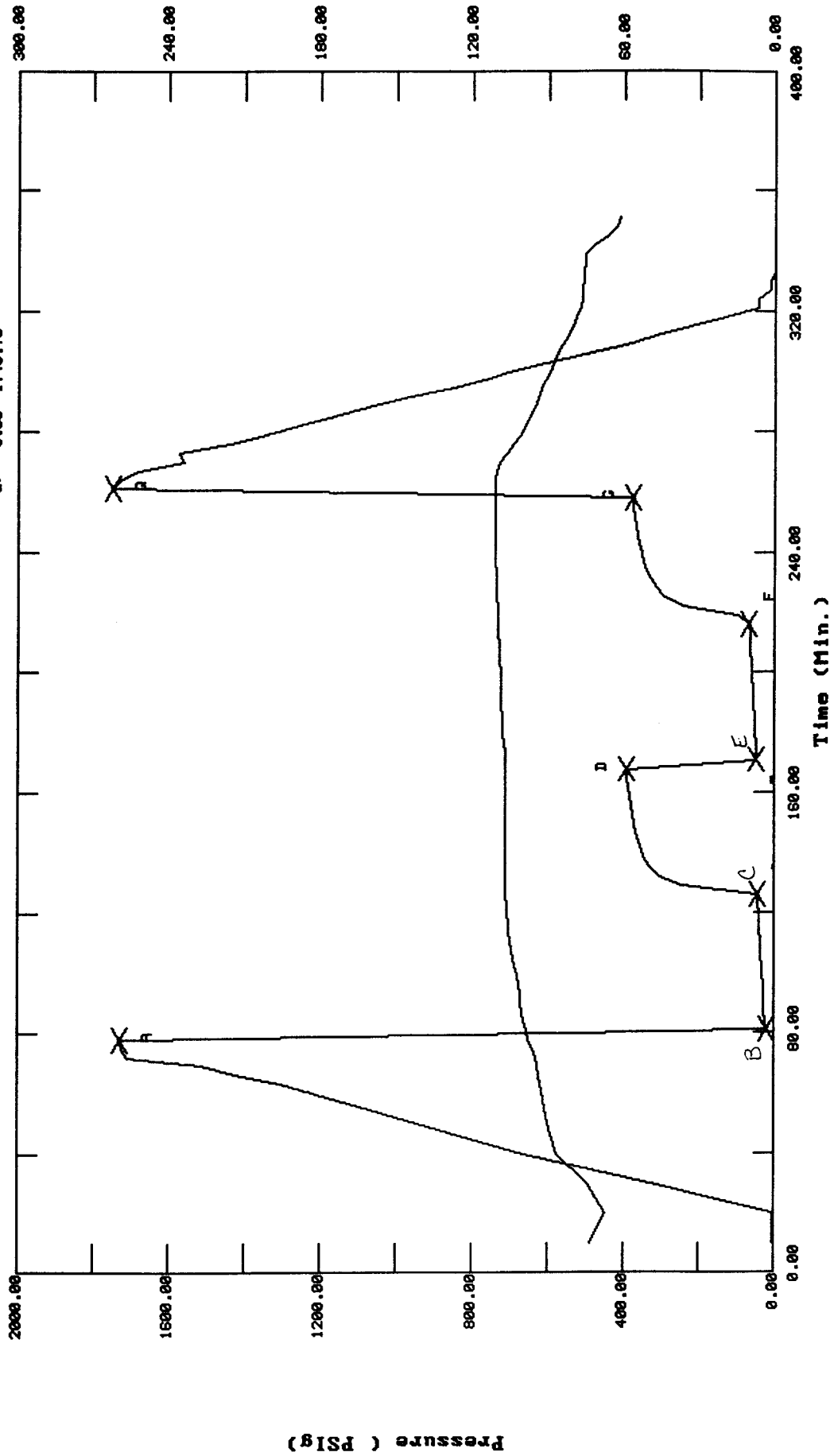
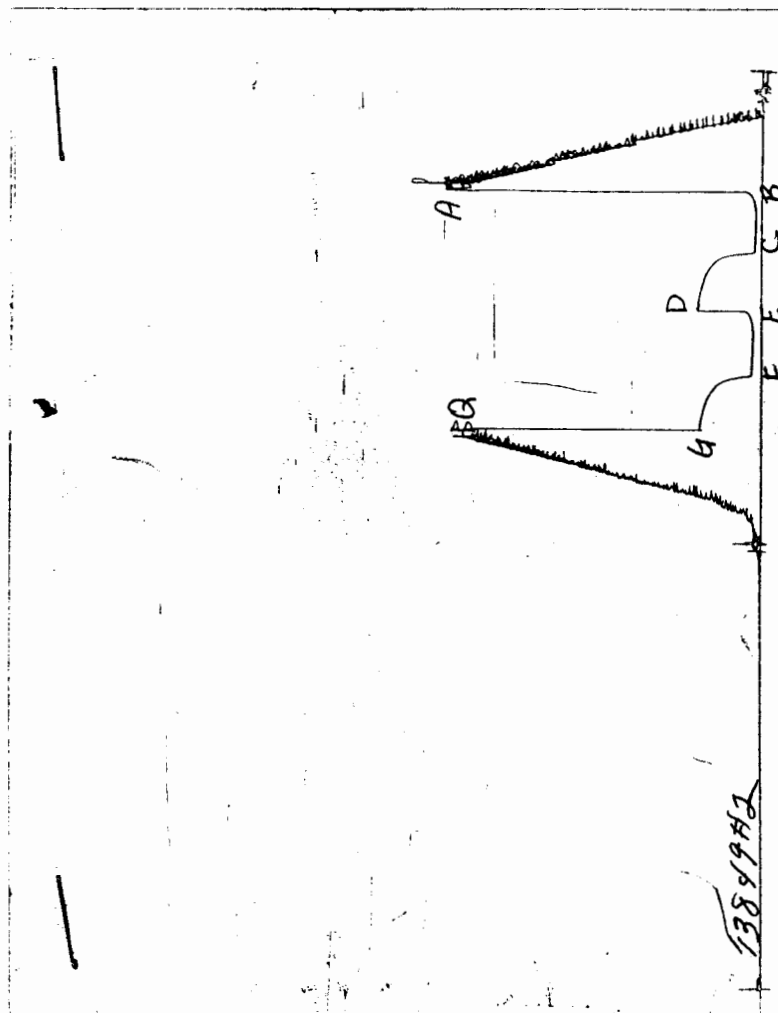


CHART PAGE



This is an actual photograph of recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TICKET# 8764 DST#2 LOUISE #1 NOBLE PETRO. INC.
 DATE: 10/26/95 TIME: 18:46:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	78.00	1730.4	0.0	97.44		
***** Start Flow 1	0.00	18.3	0.0	98.59		
	3.00	22.1	3.9	99.49		
	6.00	25.2	6.9	100.14		
	9.00	27.0	8.7	100.55		
	12.00	26.8	8.5	100.88		
	15.00	27.7	9.4	101.30		
	18.00	28.9	10.6	102.02		
	21.00	30.6	12.3	102.90		
	24.00	32.5	14.2	103.67		
	27.00	34.2	15.9	104.24		
	30.00	35.7	17.4	104.82		
	33.00	37.3	19.1	105.27		
	36.00	38.8	20.6	105.58		
	39.00	40.1	21.8	105.85		
	42.00	41.5	23.2	106.17		
***** End Flow 1	45.00	42.9	24.6	106.43		
***** Start Shutin 1	0.00	42.9	0.0	106.43	0.0000	0.002
	3.00	244.2	201.3	106.64	16.0000	0.060
	6.00	301.8	258.9	106.79	8.5000	0.091
	9.00	326.1	283.3	106.84	6.0000	0.106
	12.00	341.1	298.2	106.83	4.7500	0.116
	15.00	351.8	308.9	106.79	4.0000	0.124
	18.00	359.9	317.0	106.76	3.5000	0.130
	21.00	366.5	323.6	106.73	3.1429	0.134
	24.00	372.0	329.1	106.71	2.8750	0.138
	27.00	376.5	333.6	106.70	2.6667	0.142
	30.00	380.4	337.6	106.70	2.5000	0.145
	33.00	383.9	341.0	106.69	2.3636	0.147
	36.00	387.0	344.1	106.70	2.2500	0.150
	39.00	389.7	346.8	106.71	2.1538	0.152
***** End Shut-in 1	42.00	391.9	349.1	106.72	2.0714	0.154
***** Start Flow 2	0.00	44.6	0.0	106.74		
	3.00	46.0	1.4	106.98		
	6.00	47.6	3.0	107.52		
	9.00	49.4	4.9	107.93		
	12.00	51.0	6.5	108.09		
	15.00	52.4	7.9	108.16		
	18.00	53.7	9.1	108.24		
	21.00	54.9	10.3	108.34		
	24.00	56.1	11.5	108.46		
	27.00	57.3	12.8	108.61		
	30.00	58.5	13.9	108.78		
	33.00	60.0	15.4	108.96		
	36.00	61.3	16.7	109.12		
	39.00	62.3	17.8	109.29		
	42.00	63.5	19.0	109.45		
***** End Flow 2	45.00	64.6	20.1	109.62		
***** Start Shutin 2	0.00	64.6	0.0	109.62	0.0000	0.004
	3.00	96.5	31.9	109.78	31.0000	0.009
	6.00	142.0	77.4	109.85	16.0000	0.050

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TICKET# 8764 DST#2 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/26/95 TIME: 18:46:41

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	9.00	289.4	224.8	110.09	11.0000	0.084
	12.00	312.5	247.8	110.27	8.5000	0.098
	15.00	327.1	262.5	110.44	7.0000	0.107
	18.00	337.7	273.1	110.56	6.0000	0.114
	21.00	345.9	281.2	110.66	5.2857	0.120
	24.00	352.5	287.9	110.73	4.7500	0.124
	27.00	358.1	293.5	110.75	4.3333	0.128
	30.00	362.6	298.0	110.77	4.0000	0.132
	33.00	366.8	302.1	110.77	3.7273	0.135
	36.00	370.4	305.7	110.77	3.5000	0.137
	39.00	373.6	308.9	110.76	3.3077	0.140
***** End Shut-in 2	42.00	376.3	311.7	110.75	3.1429	0.142
***** Final Hydro.	261.00	1746.8	0.0	110.78		

TRILOBITE TESTING L.L.C.

OPERATOR : Noble Petroleum Inc

DATE 10-28-95

WELL NAME: Louise #1

KB 2300.00 ft

TICKET NO: 8765

DST #3

LOCATION : 23-11S-21W, Trego Cty KS

GR 2292.00 ft

FORMATION: LOWER KC

INTERVAL : 3710.00 To 3814.00 ft

TD 3814.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13849	13849	2350			PF Fr. 0400 to 0415 hr
SI 15 Range(Psi)	4375.0	4375.0	4995.0	0.0	0.0	IS Fr. 0415 to 0430 hr
SF 15 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0430 to 0445 hr
FS 15 Depth(ft)	3810.0	3810.0	3714.0	0.0	0.0	FS Fr. 0445 to 0500 hr

	Field	1	2	3	4	
A. Init Hydro	1982.0	1972.0	1903.0	0.0	0.0	T STARTED 0300 hr
B. First Flow	144.0	89.0	54.0	0.0	0.0	T ON BOTM 0355 hr
B1. Final Flow	144.0	77.0	57.0	0.0	0.0	T OPEN 0400 hr
C. In Shut-in	555.0	506.0	521.0	0.0	0.0	T PULLED 0500 hr
D. Init Flow	144.0	77.0	58.0	0.0	0.0	T OUT 0600 hr
E. Final Flow	144.0	77.0	60.0	0.0	0.0	
F. Fl Shut-in	144.0	100.0	103.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1873.0	1857.0	1822.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 55000.00 lbs

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP
10.00 ft of Drilling mud

Initial Str Wt 49000.00 lbs
Unseated Str Wt 49000.00 lbs
Bot Choke 0.75 in
Hole Size 7.88 in
D Col. ID 0.00 in
D. Pipe ID 3.82 in
D.C. Length 0.00 ft
D.P. Length 3689.00 ft

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

BLOW DESCRIPTION

Initial Blow -
Weak, .75" decreasing blow

Final Blow -
Weak surface blow

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/c
Vis. 47.00 S/L
W.L. 10.40 in3
F.C. 0.00 in
Mud Drop

Amt. of fill 0.00 ft
Btm. H. Temp. 118.00 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

SAMPLES:

SENT TO:

Tool Chased
Tester DAN BANGLE
Co. Rep. JAY ABLAH
Contr. DUKE
Rig # 1
Unit #
Pump T.

Test Successful: Y

TEST HISTORY

TICKET #8765 DST #3 LOUISE #1 NOBLE PETRO. INC.

Flag Points

t(Min.) P(PSig)

A1	0.00	1902.72
B1	0.00	54.04
C1	15.00	57.23
D1	15.00	520.93
E1	0.00	58.41
F1	12.00	68.08
G1	15.00	103.14
Q1	0.00	1021.84

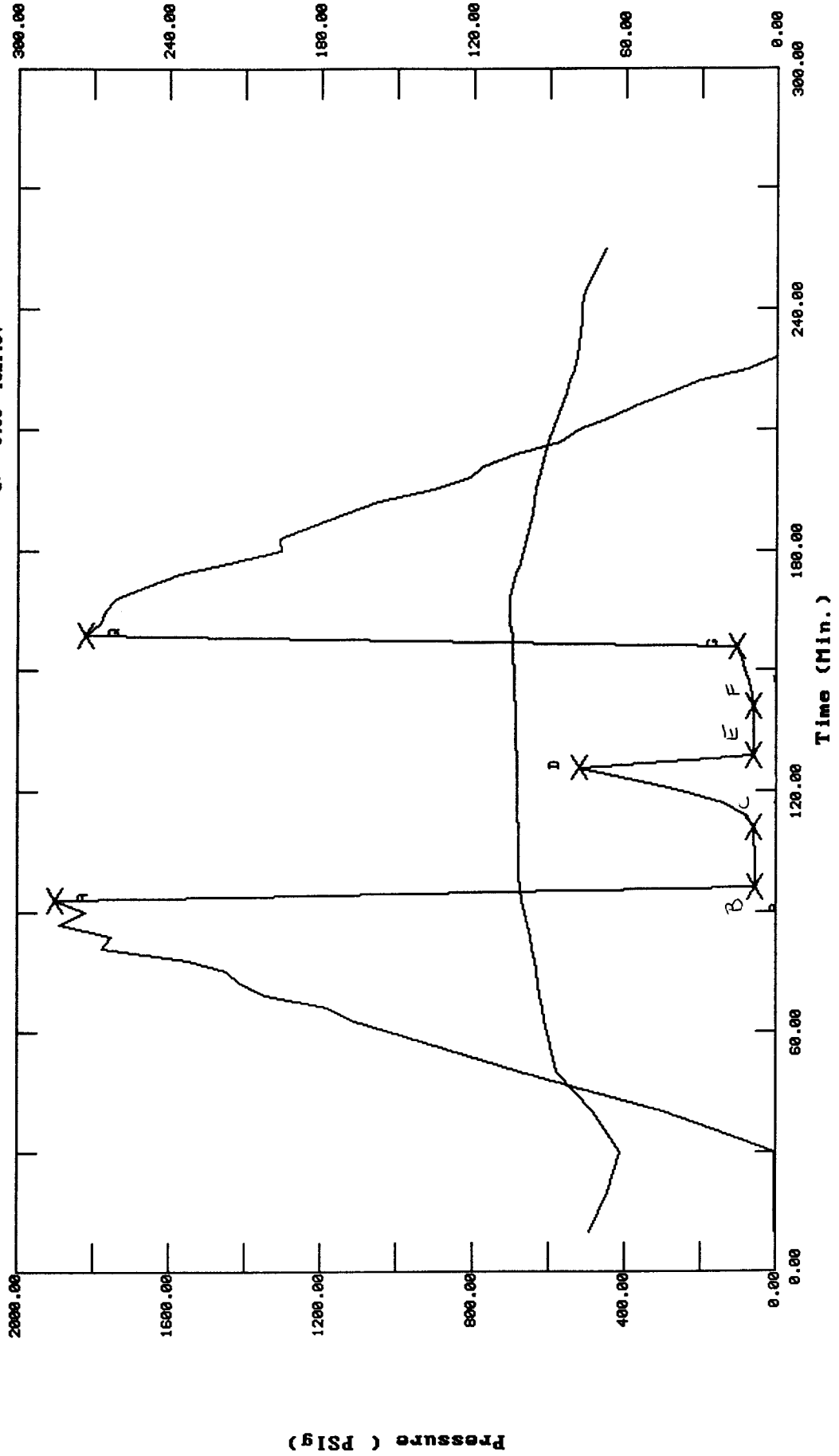
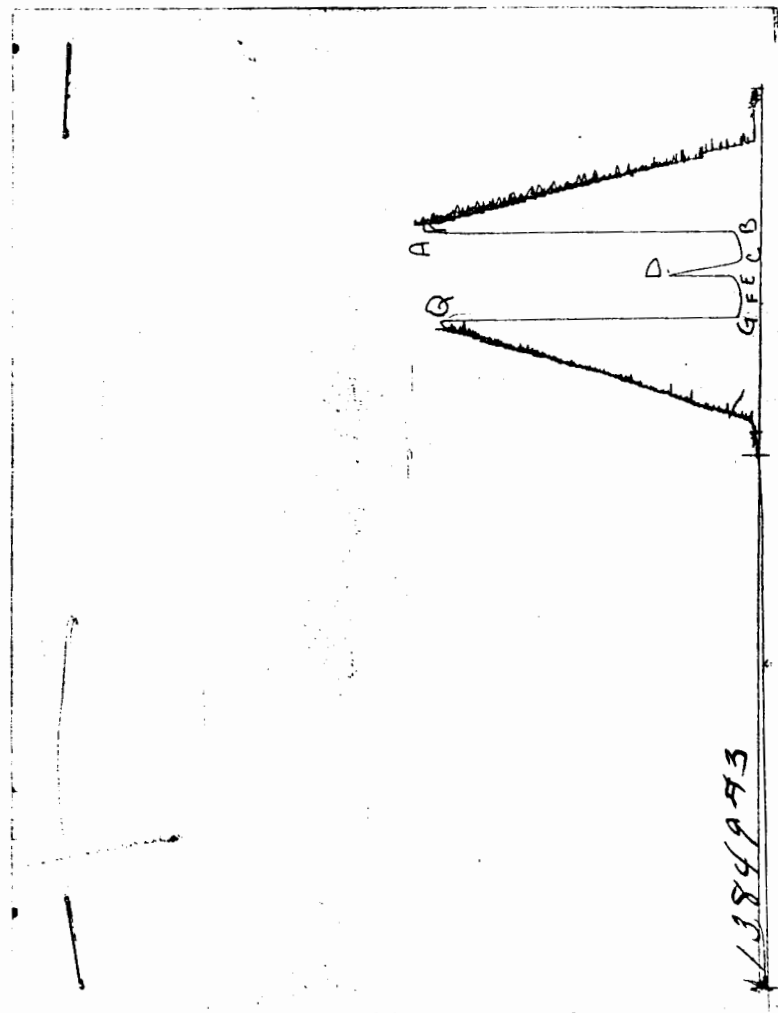


CHART PAGE



This is an actual photograph of recorder chart

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

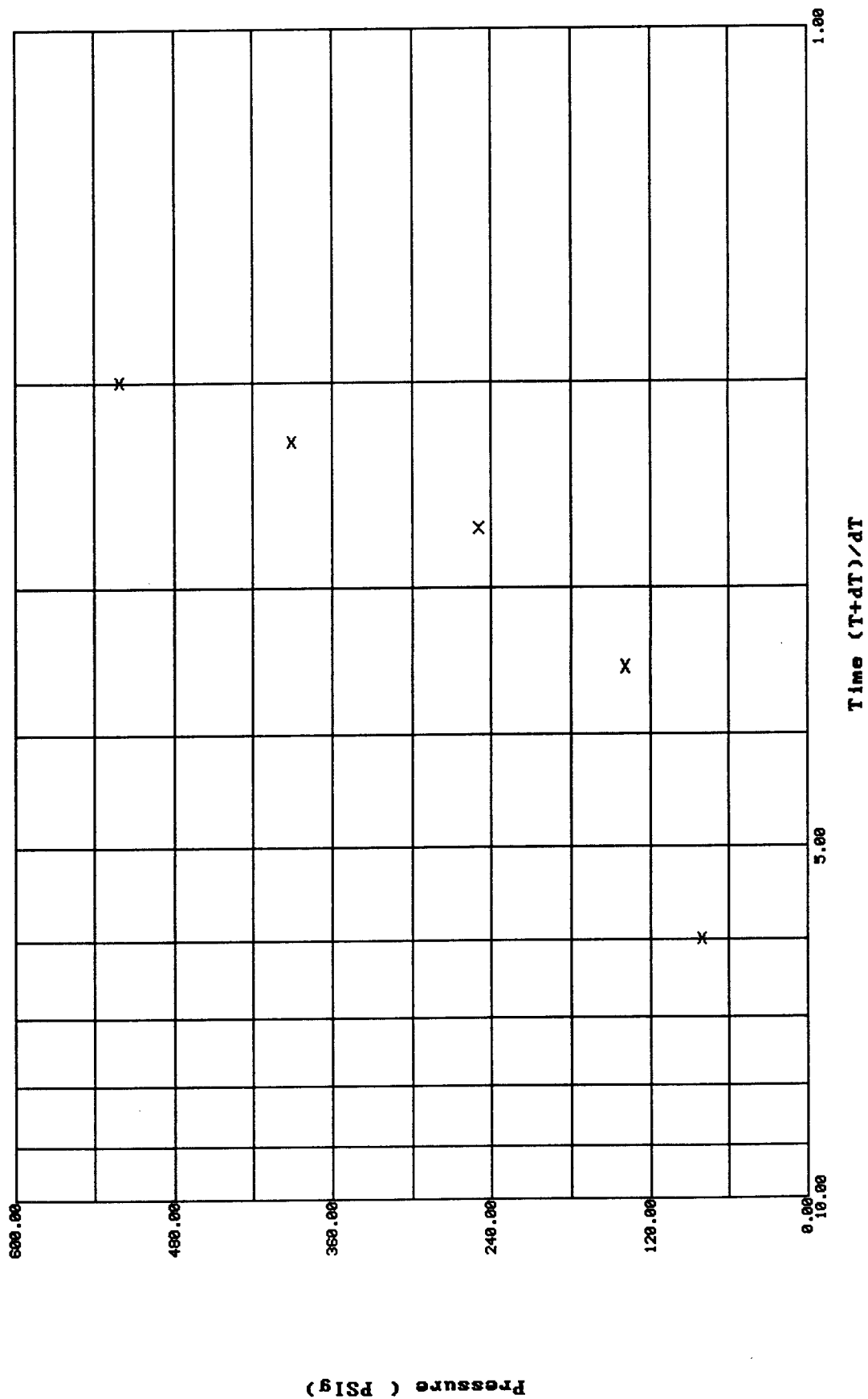
TEST: TICKET #8765 DST #3 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/27/95

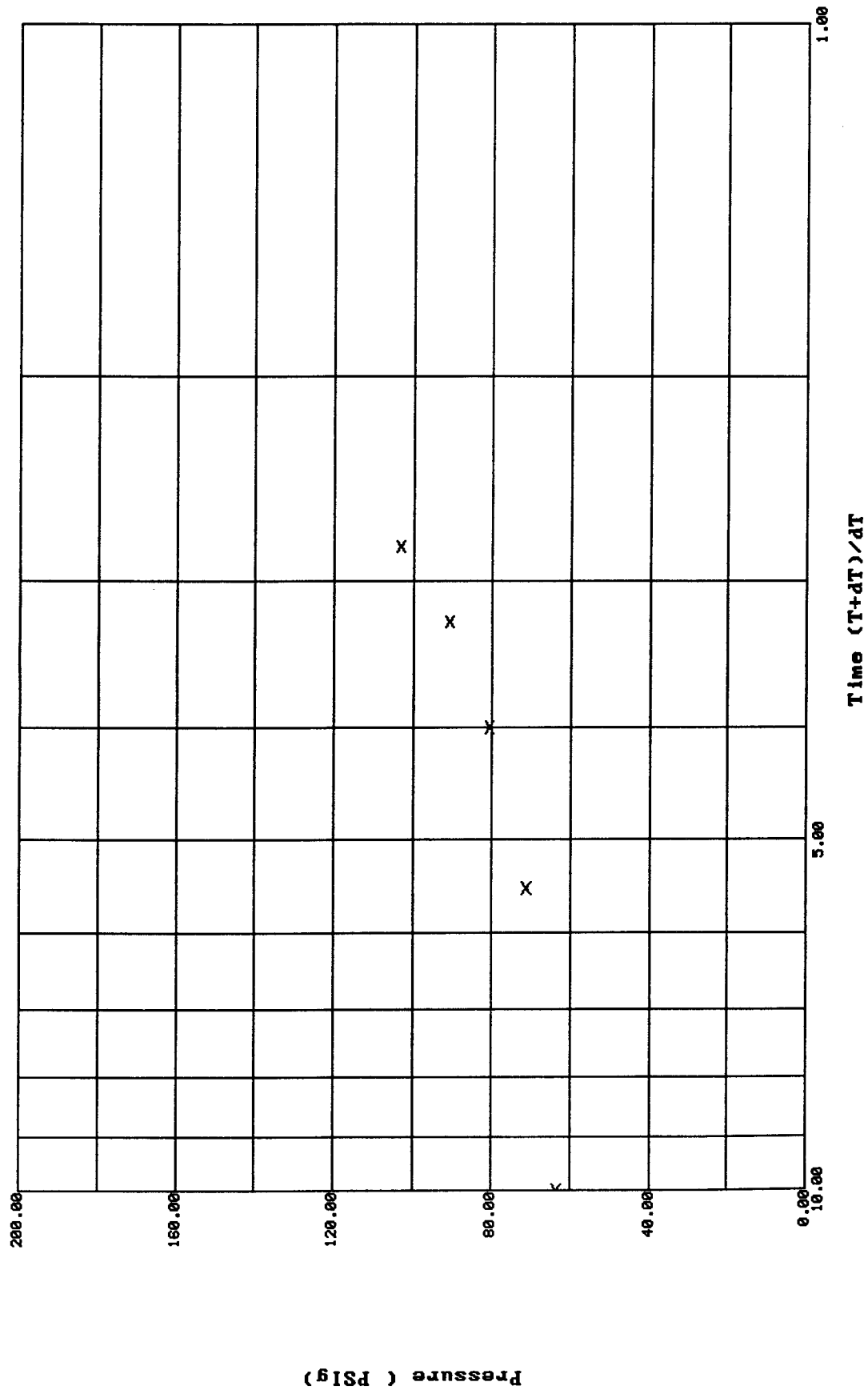
TIME: 14:23:26

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	93.00	1902.7	0.0	100.73		
***** Start Flow 1	0.00	54.0	0.0	101.40		
	3.00	55.0	1.0	101.73		
	6.00	55.8	1.8	101.90		
	9.00	56.3	2.3	102.00		
	12.00	56.7	2.7	102.07		
***** End Flow 1	15.00	57.2	3.2	102.14		
***** Start Shutin 1	0.00	57.2	0.0	102.14	0.0000	0.003
	3.00	81.0	23.8	102.21	6.0000	0.007
	6.00	138.4	81.2	102.30	3.5000	0.019
	9.00	249.8	192.5	102.39	2.6667	0.062
	12.00	390.8	333.6	102.51	2.2500	0.153
***** End Shut-in 1	15.00	520.9	463.7	102.63	2.0000	0.271
***** Start Flow 2	0.00	58.4	0.0	102.73		
	3.00	58.8	0.4	102.87		
	6.00	59.4	1.0	103.00		
	9.00	59.7	1.3	103.13		
***** End Flow 2	12.00	60.1	1.7	103.29		
***** Start Shutin 2	0.00	60.1	0.0	103.29	0.0000	0.004
	3.00	63.5	3.4	103.52	10.0000	0.004
	6.00	71.2	11.2	103.73	5.5000	0.005
	9.00	80.6	20.6	103.91	4.0000	0.007
	12.00	90.9	30.8	104.08	3.2500	0.008
***** End Shut-in 2	15.00	103.1	43.1	104.22	2.8000	0.011
***** Final Hydro.	159.00	1821.6	0.0	104.53		

Horner Plot: shut-in #1 TICKET #8765 DST #3 LOUISE #1 NOBLE PETRO. INC.



Horner Plot: shut-in #2 TICKET #8765 DST #3 LOUISE #1 NOBLE PETRO. INC.



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Louise #1

LOCATION : 23-11S-21W, Trego Cty KS

TICKET No. 8765 D.S.T. No. 3 DATE 10-28-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 104

TOTAL TOOL 125

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 63

TOTAL ASSEMBLY 125

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands60 Single Total 3689

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3831

TOTAL DEPTH 3814

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

P.O. SUB	3569
C.O. SUB	
S.I. TOOL	3695
HMV	3700
JARS	
SAFETY JOINT	
PACKER	3705
PACKER	3710
DEPTH 3710	
STUBB 1' PERFS	3711
ANCHOR	
1' CO SUB	3712
2' PERFS	3714
63' DRILL PIPE	3775
1' CO	3776
6' PERFS	3782
T.C.	
DEPTH	
5' PERFS	3787
5' PERFS	3792
5' PERFS	3797
6' PERFS	3803
6' PERFS	3809
5' BULLPLUG	3814
BULLNOSE	
T.D.	3814

TRILOBITE TESTING L.L.C.

OPERATOR : NOBLE PETRO. INC.

DATE 10-28-95

WELL NAME: LOUISE #1

KB 2300.00 ft

TICKET NO: 8766

DST #4

LOCATION : 23-11-21

GR 2292.00 ft

FORMATION: ARBUCKLE

INTERVAL : 3877.00 To 3900.00 ft

TD 3900.00 ft

TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13849	13849	2350			PF Fr. 1807 to 1852 hr
SI 60 Range(Psi)	4375.0	4375.0	4995.0	0.0	0.0	IS Fr. 1852 to 1952 hr
SF 45 Clock(hrs)	AK-1	AK-1	ALPIN			SF Fr. 1952 to 2037 hr
FS 60 Depth(ft)	3896.0	3896.0	3881.0	0.0	0.0	FS Fr. 2037 to 2137 hr

	Field	1	2	3	4	
A. Init Hydro	2070.0	2065.0	2052.0	0.0	0.0	T STARTED 1700 hr
B. First Flow	55.0	42.0	21.0	0.0	0.0	T ON BOTM 1802 hr
B1. Final Flow	66.0	50.0	66.0	0.0	0.0	T OPEN 1807 hr
C. In Shut-in	1161.0	1145.0	1152.0	0.0	0.0	T PULLED 2137 hr
D. Init Flow	111.0	87.0	103.0	0.0	0.0	T OUT 2230 hr
E. Final Flow	111.0	92.0	95.0	0.0	0.0	
F. Fl Shut-in	1128.0	1117.0	1133.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1928.0	1950.0	1966.0	0.0	0.0	Tool Wt. 2000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 43000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.82 in
						D.C. Length 0.00 ft
						D.P. Length 3856.00 ft

RECOVERY

Tot Fluid 175.00 ft of 0.00 ft in DC and 175.00 ft in DP
 120.00 ft of Gas in pipe
 120.00 ft of Clean oil - 100% oil
 55.00 ft of Heavy mud cut oil - 80% oil, 20% mud

SALINITY 0.00 P.P.M. A.P.I. Gravity 34.00

BLOW DESCRIPTION

Initial Blow -
 Weak, building to fair blow, bottom of bucket in 42 min

Final Blow -
 Weak, building to 8" fair blow

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	47.00 S/L
W.L.	11.20 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	GOOD
% Porosity	8.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type
 Reversed Out N
 Tool Chased

Tester	DAN BANGLE
Co. Rep.	JAY ABLAH
Contr.	DUKE
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

Operator.....: NOBLE PETROLEUM INC
Well Name.....: LOUISE #1
DST Number.....: 4

Location.: 23-11S-21W Recorder No....: 2350
Test Type: CONVENTIONAL Recorder Depth: 3881
Formation: ARBUCKLE Test Interval.: 3877-3900

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....:	8.00 ft
Porosity.....:	8.00 %
Bottom Hole Temp.....:	119.00 F
Specific Gravity.....:	0.855
API Gravity.....:	34.00
Compressibility.....:	0.000002 /psi
Viscosity.....:	8.6152 cp
Total Recovery.....:	175.00 ft
Total Flowing Time.....:	90.00 min.
Flow Rate.....:	37.31 bbls/d
Final Flowing Pressure.....:	95.59 psi
Horner Slope.....:	73.8617 psi/cycle
Extrapolated Pressure.....:	1160.64 psi
Formation Volume Factor.....:	1.03 Reservoir/Surface
Well Bore Radius.....:	3.94 in

RESULTS:

Effective Permeability.....:	91.068965 md
Flow Capacity.....:	728.5517 md.ft
Transmissibility.....:	84.5659 md.ft/cp
Skin Factor.....:	10.3209
Radius of Investigation.....:	322.76851 ft
Damage Ratio.....:	2.6445
Productivity Index.....:	0.0350 bbls/psi.d
Productivity Index W/O Damage.:	0.0926 bbls/psi.d

TEST HISTORY

TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

Flag Points

t(Min.) PC PSIG

A:	0.00	2852.19
B:	0.00	21.23
C:	44.00	66.63
D:	59.00	1152.62
E:	0.00	183.22
F:	44.00	95.59
G:	67.00	1133.69
Q:	0.00	1916.86

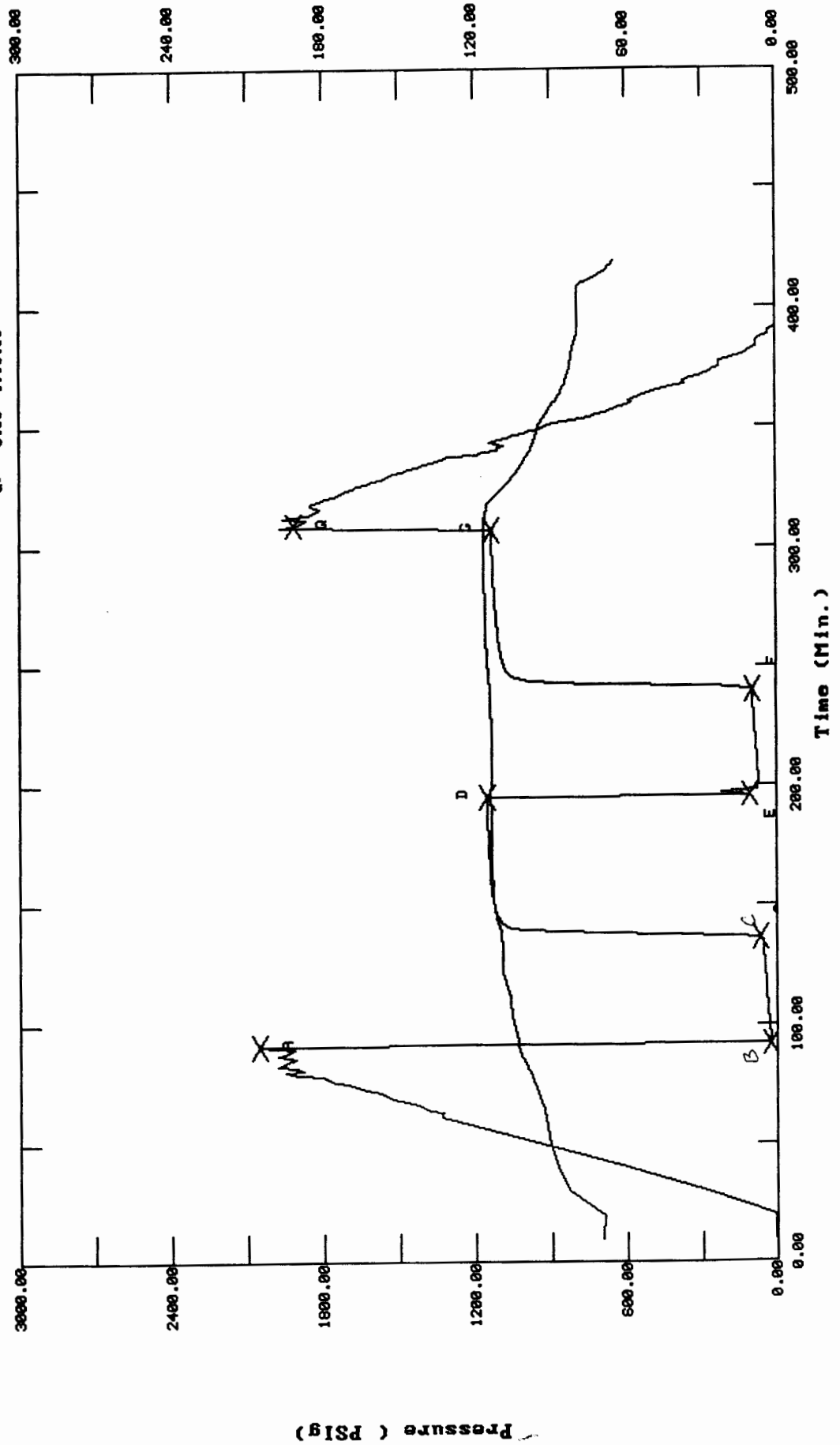
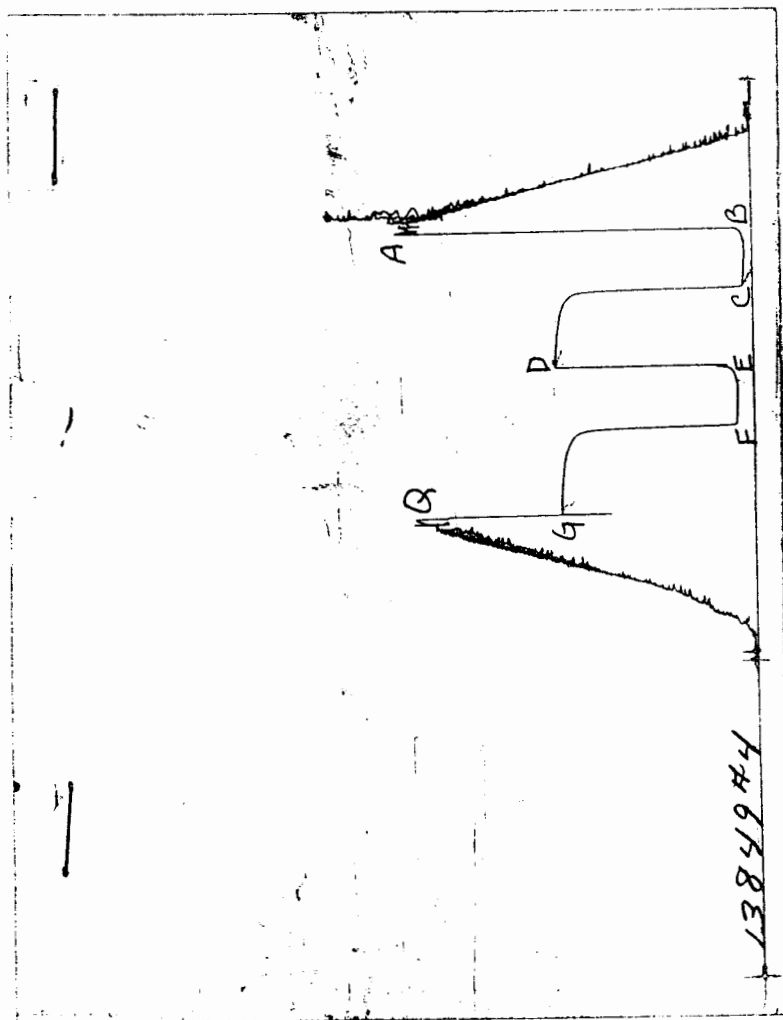


CHART PAGE



This is an actual photograph of recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/28/95 TIME: 04:36:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	91.00	2052.2	0.0	102.89		
***** Start Flow 1	0.00	21.2	0.0	103.05		
	1.00	22.8	1.6	103.16		
	2.00	22.0	0.8	103.27		
	3.00	23.2	2.0	103.40		
	4.00	23.5	2.3	103.56		
	5.00	24.2	3.0	103.76		
	6.00	25.0	3.8	104.03		
	7.00	27.0	5.8	104.37		
	8.00	27.2	6.0	104.69		
	9.00	28.0	6.8	104.92		
	10.00	28.9	7.7	105.11		
	11.00	30.4	9.1	105.26		
	12.00	30.7	9.5	105.39		
	13.00	32.2	11.0	105.52		
	14.00	32.3	11.1	105.66		
	15.00	33.0	11.7	105.81		
	16.00	33.3	12.1	105.93		
	17.00	34.7	13.4	106.05		
	18.00	35.3	14.1	106.15		
	19.00	37.9	16.7	106.25		
	20.00	38.3	17.1	106.34		
	21.00	38.8	17.6	106.49		
	22.00	38.9	17.7	106.74		
	23.00	39.5	18.3	107.06		
	24.00	40.0	18.8	107.43		
	25.00	40.9	19.6	107.78		
	26.00	41.8	20.6	108.13		
	27.00	41.5	20.2	108.43		
	28.00	42.1	20.9	108.67		
	29.00	42.9	21.7	108.83		
	30.00	43.8	22.6	108.92		
	31.00	44.6	23.3	108.96		
	32.00	45.5	24.3	108.96		
	33.00	46.3	25.1	108.94		
	34.00	46.7	25.5	108.93		
	35.00	47.7	26.4	108.90		
	36.00	48.0	26.8	108.91		
	37.00	48.9	27.7	108.94		
	38.00	49.3	28.0	108.99		
	39.00	50.2	29.0	109.05		
	40.00	50.7	29.5	109.14		
	41.00	51.4	30.2	109.25		
	42.00	52.2	31.0	109.36		
	43.00	53.0	31.8	109.46		
***** End Flow 1	44.00	66.6	45.4	109.55		
***** Start Shutin 1	0.00	66.6	0.0	109.55	0.0000	0.004
	1.00	163.2	96.6	109.66	45.0000	0.027
	2.00	697.4	630.8	109.79	23.0000	0.486
	3.00	1000.2	933.6	109.98	15.6667	1.000
	4.00	1058.7	992.1	110.21	12.0000	1.121

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.
 DATE: 10/28/95 TIME: 04:36:30

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
5.00	1079.8	1013.2	110.50	9.8000	1.166
6.00	1091.3	1024.7	110.79	8.3333	1.191
7.00	1099.2	1032.6	111.08	7.2857	1.208
8.00	1105.0	1038.4	111.33	6.5000	1.221
9.00	1109.8	1043.1	111.59	5.8889	1.232
10.00	1113.5	1046.8	111.80	5.4000	1.240
11.00	1116.7	1050.0	111.98	5.0000	1.247
12.00	1119.5	1052.9	112.13	4.6667	1.253
13.00	1121.9	1055.2	112.27	4.3846	1.259
14.00	1124.0	1057.3	112.38	4.1429	1.263
15.00	1126.0	1059.3	112.48	3.9333	1.268
16.00	1127.7	1061.1	112.56	3.7500	1.272
17.00	1129.3	1062.7	112.62	3.5882	1.275
18.00	1130.8	1064.1	112.69	3.4444	1.279
19.00	1132.1	1065.5	112.75	3.3158	1.282
20.00	1133.4	1066.7	112.78	3.2000	1.284
21.00	1134.5	1067.9	112.84	3.0952	1.287
22.00	1135.6	1069.0	112.89	3.0000	1.290
23.00	1136.7	1070.1	112.93	2.9130	1.292
24.00	1137.6	1071.0	112.97	2.8333	1.294
25.00	1136.1	1069.5	113.01	2.7600	1.291
26.00	1137.0	1070.3	113.02	2.6923	1.293
27.00	1137.9	1071.3	113.06	2.6296	1.295
28.00	1138.6	1071.9	113.10	2.5714	1.296
29.00	1139.3	1072.7	113.12	2.5172	1.298
30.00	1140.1	1073.4	113.17	2.4667	1.300
31.00	1140.8	1074.2	113.18	2.4194	1.301
32.00	1141.4	1074.8	113.19	2.3750	1.303
33.00	1142.0	1075.4	113.23	2.3333	1.304
34.00	1142.7	1076.0	113.25	2.2941	1.306
35.00	1143.2	1076.5	113.27	2.2571	1.307
36.00	1143.8	1077.1	113.29	2.2222	1.308
37.00	1144.3	1077.7	113.31	2.1892	1.310
38.00	1144.9	1078.2	113.33	2.1579	1.311
39.00	1145.3	1078.6	113.36	2.1282	1.312
40.00	1145.9	1079.3	113.36	2.1000	1.313
41.00	1146.3	1079.6	113.39	2.0732	1.314
42.00	1146.8	1080.2	113.41	2.0476	1.315
43.00	1147.2	1080.6	113.42	2.0233	1.316
44.00	1147.6	1081.0	113.45	2.0000	1.317
45.00	1148.0	1081.4	113.45	1.9778	1.318
46.00	1148.5	1081.8	113.48	1.9565	1.319
47.00	1148.9	1082.2	113.52	1.9362	1.320
48.00	1149.2	1082.6	113.51	1.9167	1.321
49.00	1149.6	1083.0	113.52	1.8980	1.322
50.00	1150.0	1083.3	113.54	1.8800	1.322
51.00	1150.3	1083.7	113.55	1.8627	1.323
52.00	1150.6	1084.0	113.57	1.8462	1.324
53.00	1151.1	1084.4	113.59	1.8302	1.325
54.00	1151.2	1084.6	113.60	1.8148	1.325
55.00	1151.6	1084.9	113.61	1.8000	1.326

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/28/95

TIME: 04:36:30

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
2.00	258.5	162.9	114.09	45.0000	0.067
3.00	746.9	651.4	114.14	30.3333	0.558
4.00	980.4	884.8	114.22	23.0000	0.961
5.00	1034.2	938.6	114.32	18.6000	1.070
6.00	1054.3	958.7	114.42	15.6667	1.112
7.00	1065.5	969.9	114.54	13.5714	1.135
8.00	1073.0	977.4	114.66	12.0000	1.151
9.00	1078.5	983.0	114.77	10.7778	1.163
10.00	1082.9	987.3	114.88	9.8000	1.173
11.00	1086.6	991.0	114.98	9.0000	1.181
12.00	1089.8	994.2	115.07	8.3333	1.188
13.00	1092.5	996.9	115.14	7.7692	1.194
14.00	1094.9	999.3	115.22	7.2857	1.199
15.00	1096.9	1001.3	115.28	6.8667	1.203
16.00	1098.9	1003.3	115.33	6.5000	1.207
17.00	1100.7	1005.1	115.39	6.1765	1.212
18.00	1102.0	1006.5	115.44	5.8889	1.215
19.00	1103.7	1008.1	115.48	5.6316	1.218
20.00	1105.2	1009.7	115.52	5.4000	1.222
21.00	1106.5	1010.9	115.56	5.1905	1.224
22.00	1107.8	1012.3	115.60	5.0000	1.227
23.00	1108.8	1013.3	115.62	4.8261	1.230
24.00	1109.9	1014.4	115.66	4.6667	1.232
25.00	1111.0	1015.4	115.68	4.5200	1.234
26.00	1112.0	1016.4	115.73	4.3846	1.237
27.00	1112.9	1017.3	115.73	4.2593	1.238
28.00	1113.8	1018.2	115.76	4.1429	1.241
29.00	1114.7	1019.1	115.79	4.0345	1.243
30.00	1115.5	1019.9	115.82	3.9333	1.244
31.00	1116.3	1020.7	115.84	3.8387	1.246
32.00	1117.1	1021.5	115.86	3.7500	1.248
33.00	1117.8	1022.2	115.90	3.6667	1.250
34.00	1118.6	1023.0	115.86	3.5882	1.251
35.00	1119.2	1023.6	115.90	3.5143	1.253
36.00	1119.9	1024.3	115.93	3.4444	1.254
37.00	1120.4	1024.8	115.95	3.3784	1.255
38.00	1121.1	1025.5	115.97	3.3158	1.257
39.00	1121.7	1026.1	115.99	3.2564	1.258
40.00	1122.3	1026.7	116.01	3.2000	1.259
41.00	1122.9	1027.3	116.03	3.1463	1.261
42.00	1123.4	1027.8	116.03	3.0952	1.262
43.00	1124.0	1028.4	116.04	3.0465	1.263
44.00	1124.5	1028.9	116.07	3.0000	1.264
45.00	1125.0	1029.4	116.08	2.9556	1.266
46.00	1125.5	1030.0	116.09	2.9130	1.267
47.00	1126.0	1030.4	116.11	2.8723	1.268
48.00	1126.4	1030.8	116.13	2.8333	1.269
49.00	1126.8	1031.2	116.14	2.7959	1.270
50.00	1127.2	1031.6	116.15	2.7600	1.271
51.00	1127.8	1032.2	116.17	2.7255	1.272
52.00	1128.1	1032.6	116.18	2.6923	1.273

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/28/95

TIME: 04:36:30

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	56.00	1151.9	1085.3	113.63	1.7857	1.327
	57.00	1152.2	1085.6	113.65	1.7719	1.328
	58.00	1152.6	1085.9	113.66	1.7586	1.328
***** End Shut-in 1	59.00	1152.8	1086.2	113.67	1.7458	1.329
***** Start Flow 2	0.00	103.2	0.0	113.67		
	1.00	221.1	117.8	113.65		
	2.00	76.5	-26.7	113.62		
	3.00	73.0	-30.2	113.58		
	4.00	71.6	-31.6	113.53		
	5.00	71.2	-32.0	113.48		
	6.00	71.5	-31.7	113.45		
	7.00	71.0	-32.2	113.41		
	8.00	71.3	-31.9	113.38		
	9.00	72.1	-31.1	113.36		
	10.00	72.9	-30.3	113.35		
	11.00	73.4	-29.8	113.33		
	12.00	74.2	-29.0	113.32		
	13.00	75.0	-28.2	113.31		
	14.00	75.9	-27.4	113.30		
	15.00	76.5	-26.7	113.29		
	16.00	77.3	-25.9	113.30		
	17.00	77.9	-25.3	113.29		
	18.00	78.5	-24.7	113.29		
	19.00	79.4	-23.8	113.30		
	20.00	80.0	-23.2	113.31		
	21.00	80.9	-22.3	113.31		
	22.00	81.7	-21.6	113.33		
	23.00	82.2	-21.1	113.34		
	24.00	83.1	-20.1	113.35		
	25.00	83.7	-19.6	113.37		
	26.00	84.4	-18.8	113.38		
	27.00	85.0	-18.2	113.41		
	28.00	85.6	-17.6	113.43		
	29.00	86.1	-17.1	113.46		
	30.00	86.7	-16.5	113.50		
	31.00	87.6	-15.6	113.54		
	32.00	88.2	-15.0	113.58		
	33.00	88.7	-14.5	113.63		
	34.00	89.3	-13.9	113.67		
	35.00	89.8	-13.4	113.70		
	36.00	90.5	-12.7	113.74		
	37.00	91.1	-12.2	113.78		
	38.00	91.6	-11.6	113.82		
	39.00	92.4	-10.8	113.85		
	40.00	93.0	-10.2	113.89		
	41.00	93.4	-9.8	113.92		
	42.00	94.2	-9.1	113.95		
	43.00	94.8	-8.4	114.00		
***** End Flow 2	44.00	95.6	-7.6	114.03		
***** Start Shutin 2	0.00	95.6	0.0	114.03	0.0000	0.009
	1.00	104.4	8.8	114.05	89.0000	0.011

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

DATE: 10/28/95

TIME: 04:36:30

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	53.00	1128.6	1033.0	116.20	2.6604	1.274
	54.00	1129.0	1033.4	116.19	2.6296	1.275
	55.00	1129.3	1033.7	116.21	2.6000	1.275
	56.00	1129.7	1034.2	116.23	2.5714	1.276
	57.00	1130.2	1034.7	116.23	2.5439	1.277
	58.00	1130.5	1034.9	116.25	2.5172	1.278
	59.00	1130.9	1035.3	116.26	2.4915	1.279
	60.00	1131.3	1035.8	116.28	2.4667	1.280
	61.00	1131.6	1036.0	116.28	2.4426	1.280
	62.00	1132.0	1036.4	116.29	2.4194	1.281
	63.00	1132.4	1036.8	116.31	2.3968	1.282
	64.00	1132.7	1037.1	116.31	2.3750	1.283
	65.00	1133.0	1037.4	116.33	2.3538	1.284
	66.00	1133.4	1037.9	116.33	2.3333	1.285
***** End Shut-in 2	67.00	1133.7	1038.1	116.34	2.3134	1.285
***** Final Hydro.	309.00	1916.1	0.0	116.37		

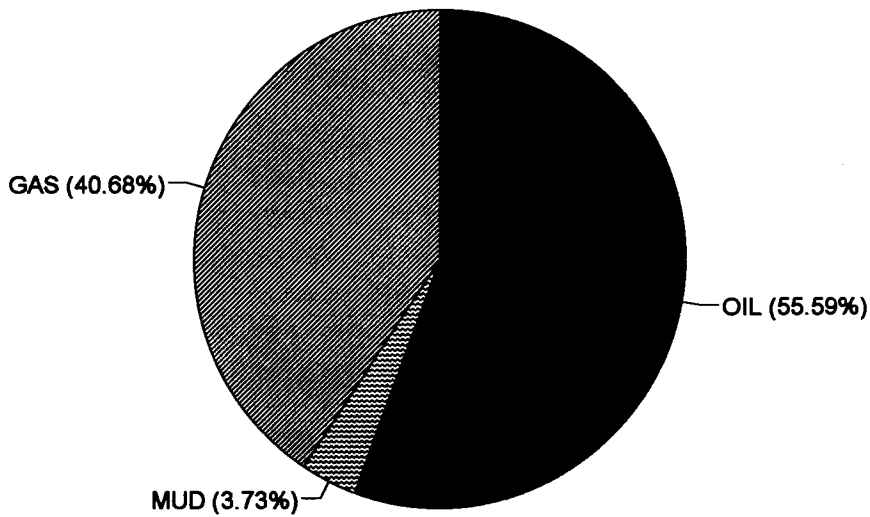
CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 4

TICKET # 8766

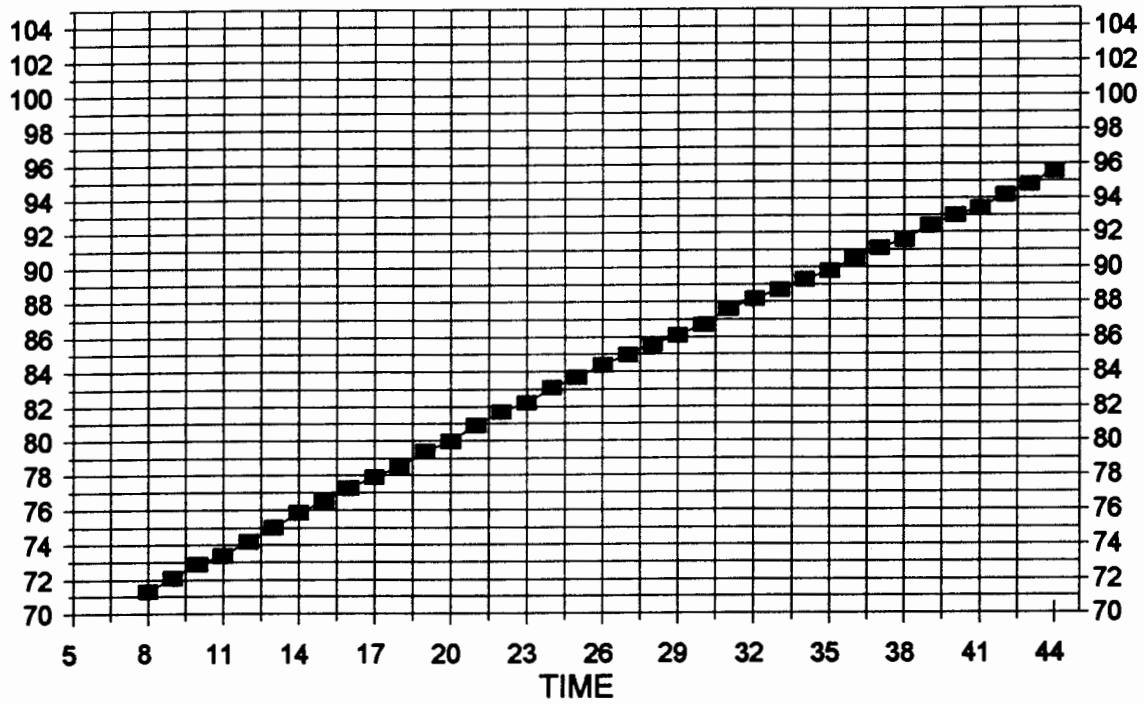
SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	120	100	120		0		0		0
2	120		0	100	120		0		0
3	55		0	80	44		0	20	11
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	295	40.68	120	55.59	164	0	0	3.73	11

			HRS OPEN	BBL/DAY
3BL OIL=	2.33208	*	1.50	37.31
3BL WATER=	0	*		0.00
3BL MUD=	0.15642			
3BL GAS	1.7064			



DELTA T DELTA P

FINAL FLOW / DST #4



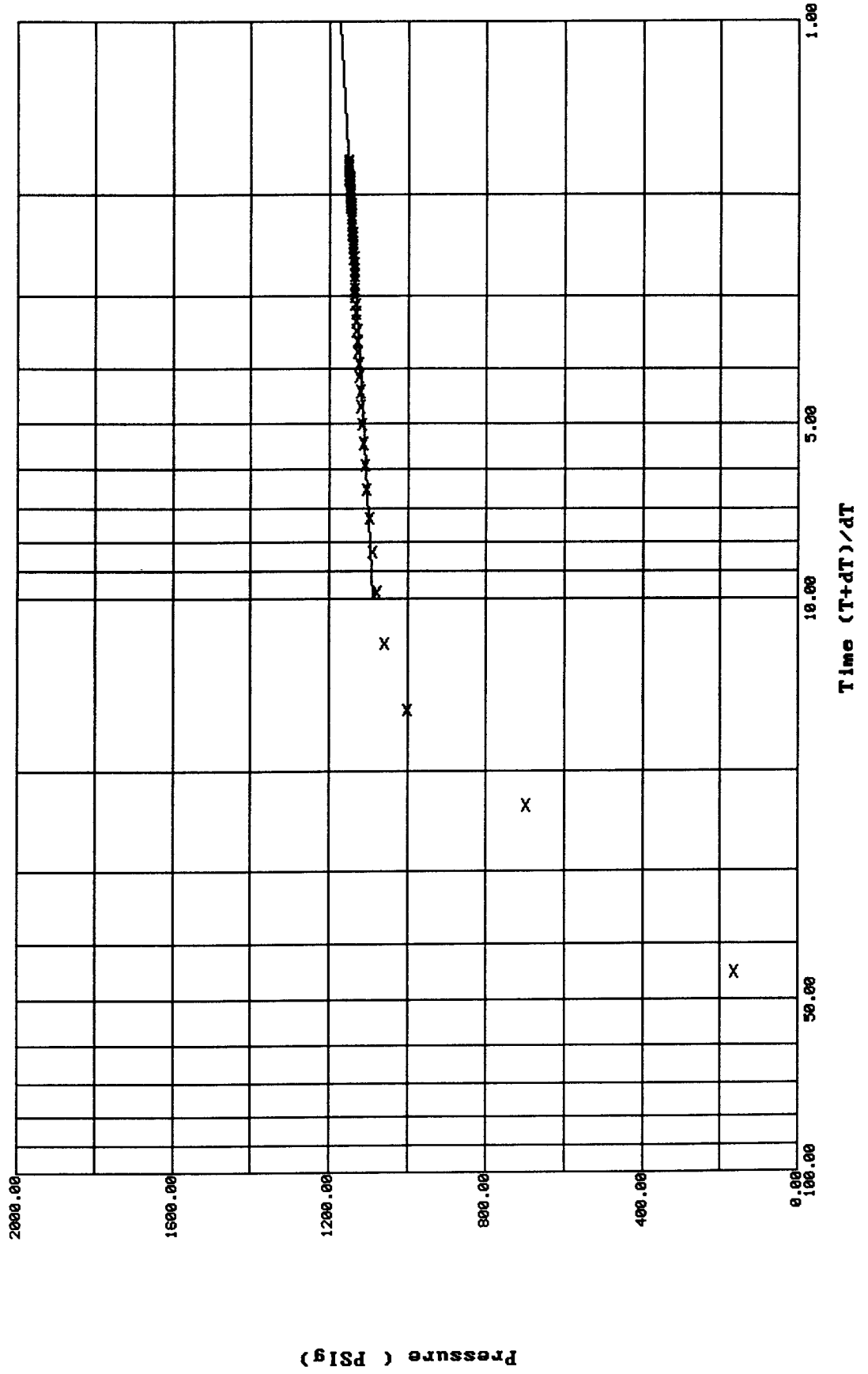
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 30.99414

Horner Plot: shut-in #1

TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

Slope: 84.0283 PSig/cycle

Ext. Pressure: 1172.9988 PSig

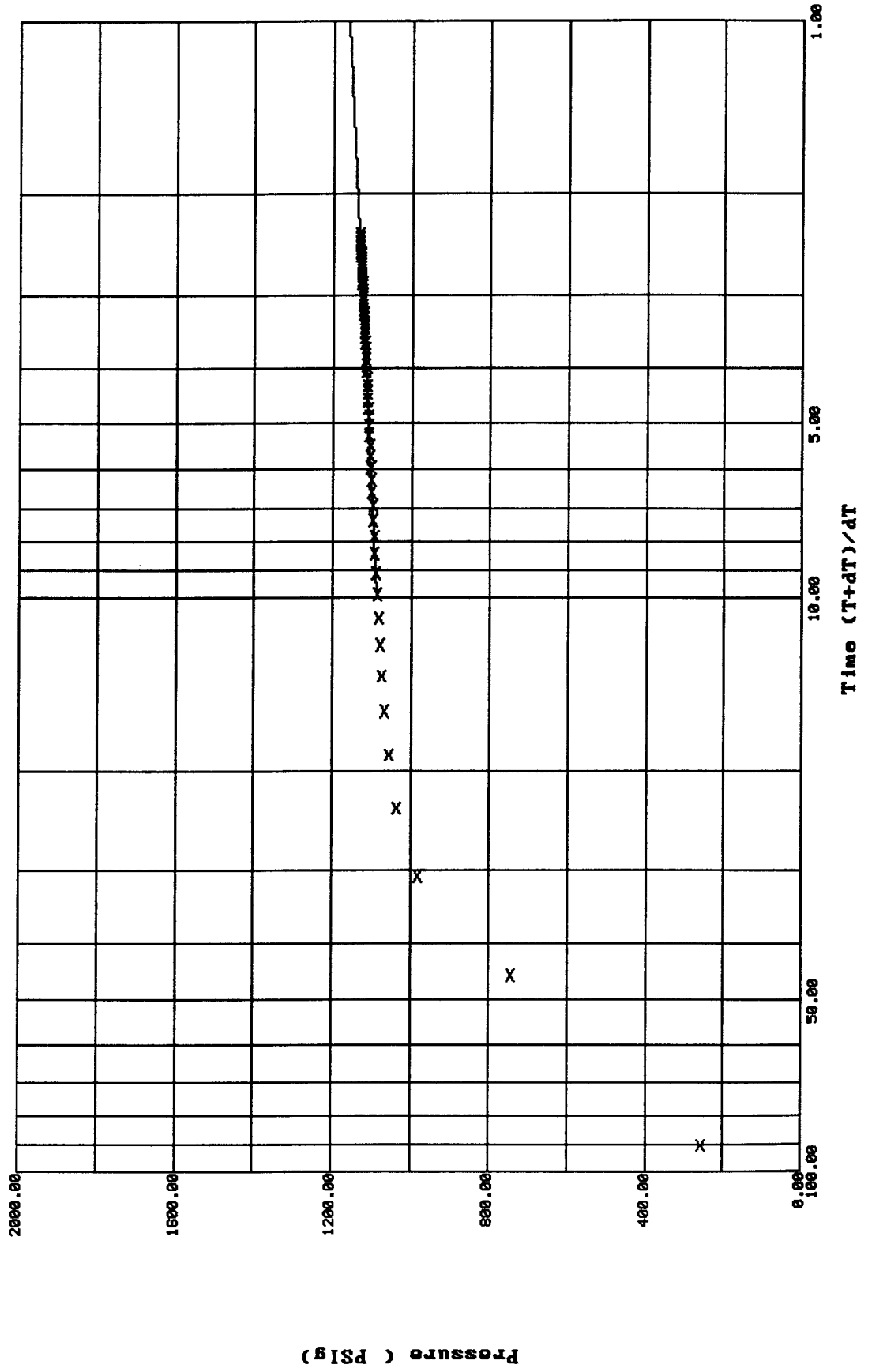


Horner Plot: shut-in #2

TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.

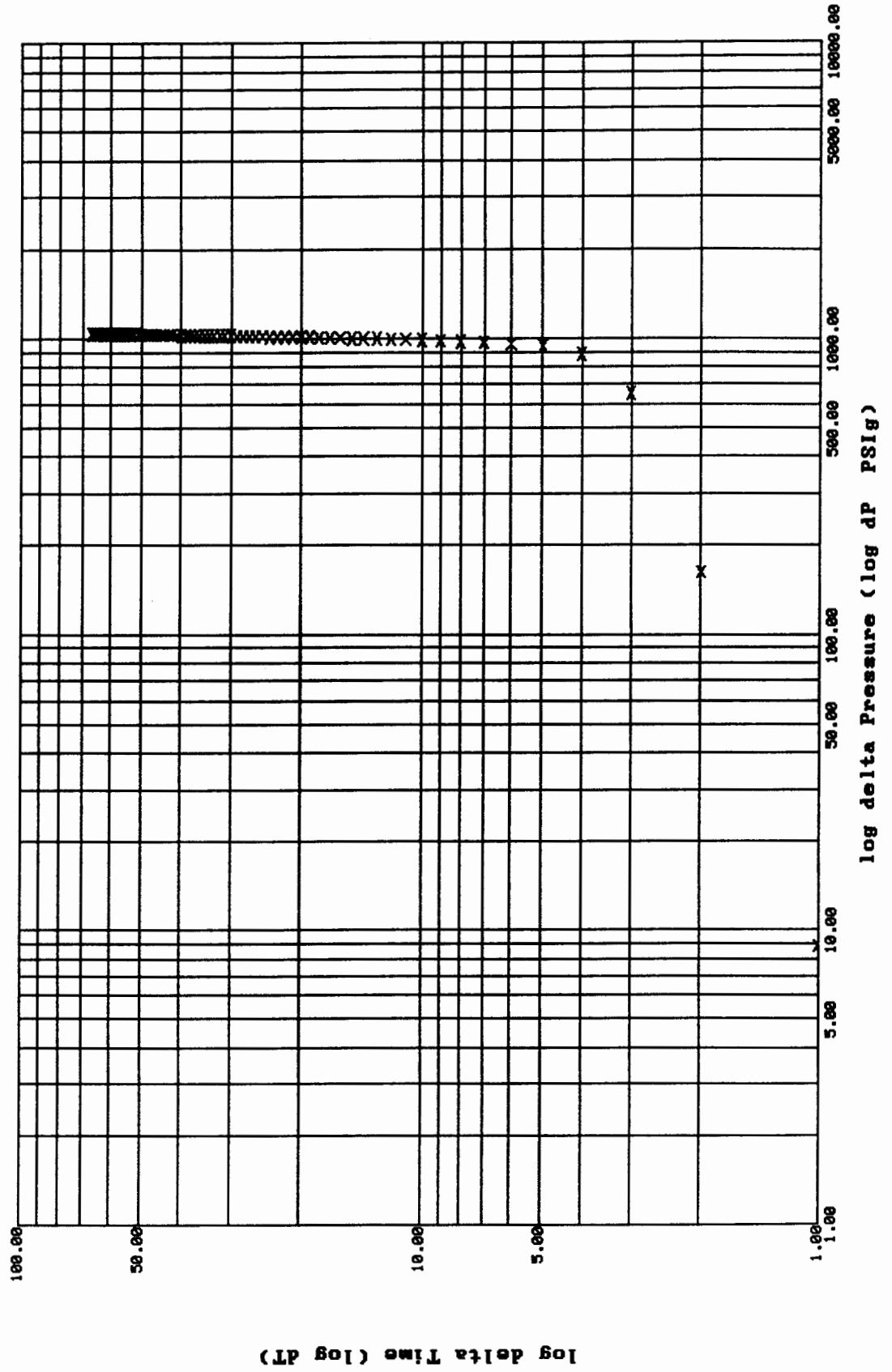
Slope: 73.8617 PSig/cycle

Ext. Pressure: 1160.6376 PSig

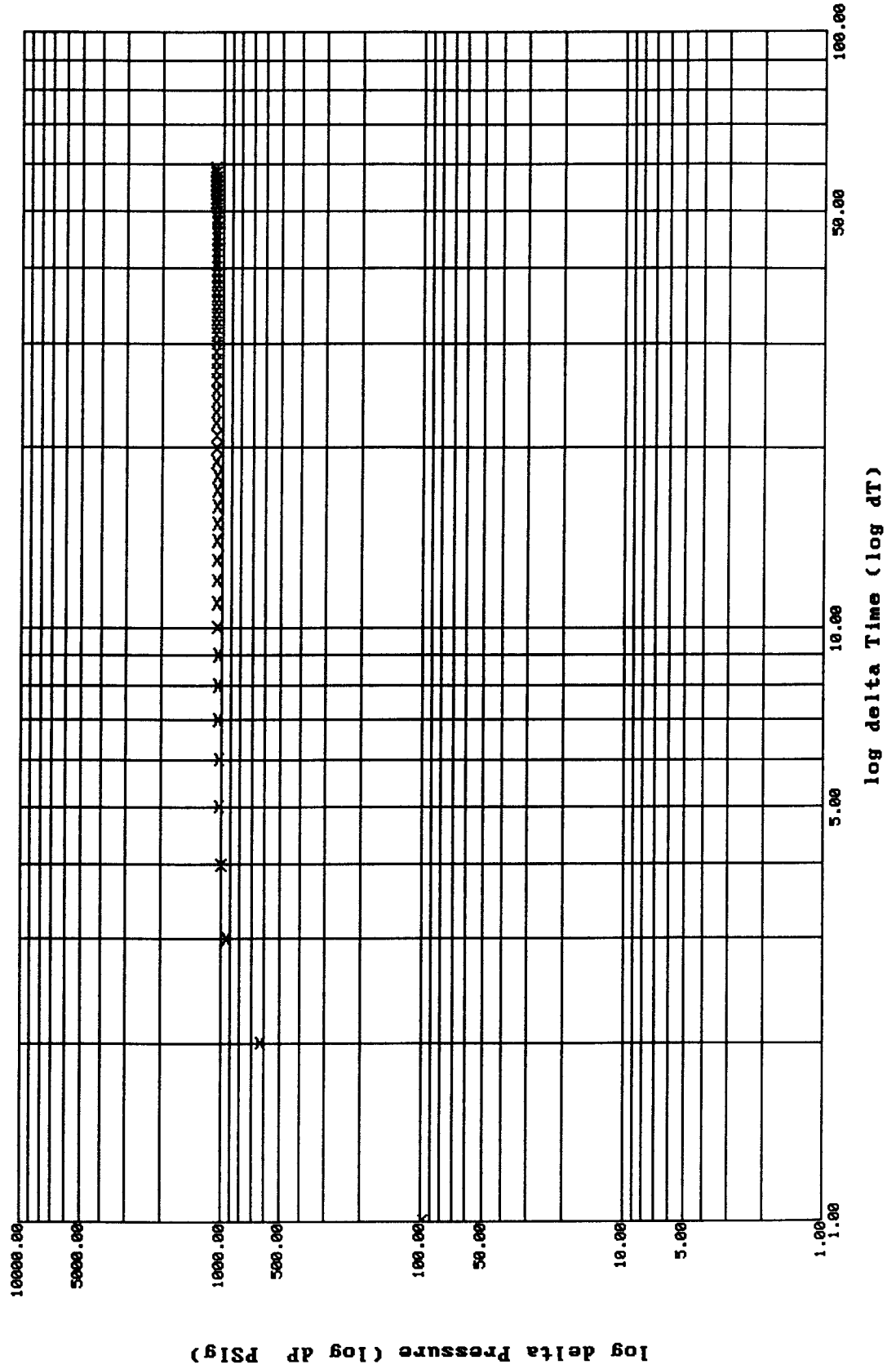


McKinley Plot: shut-in #2

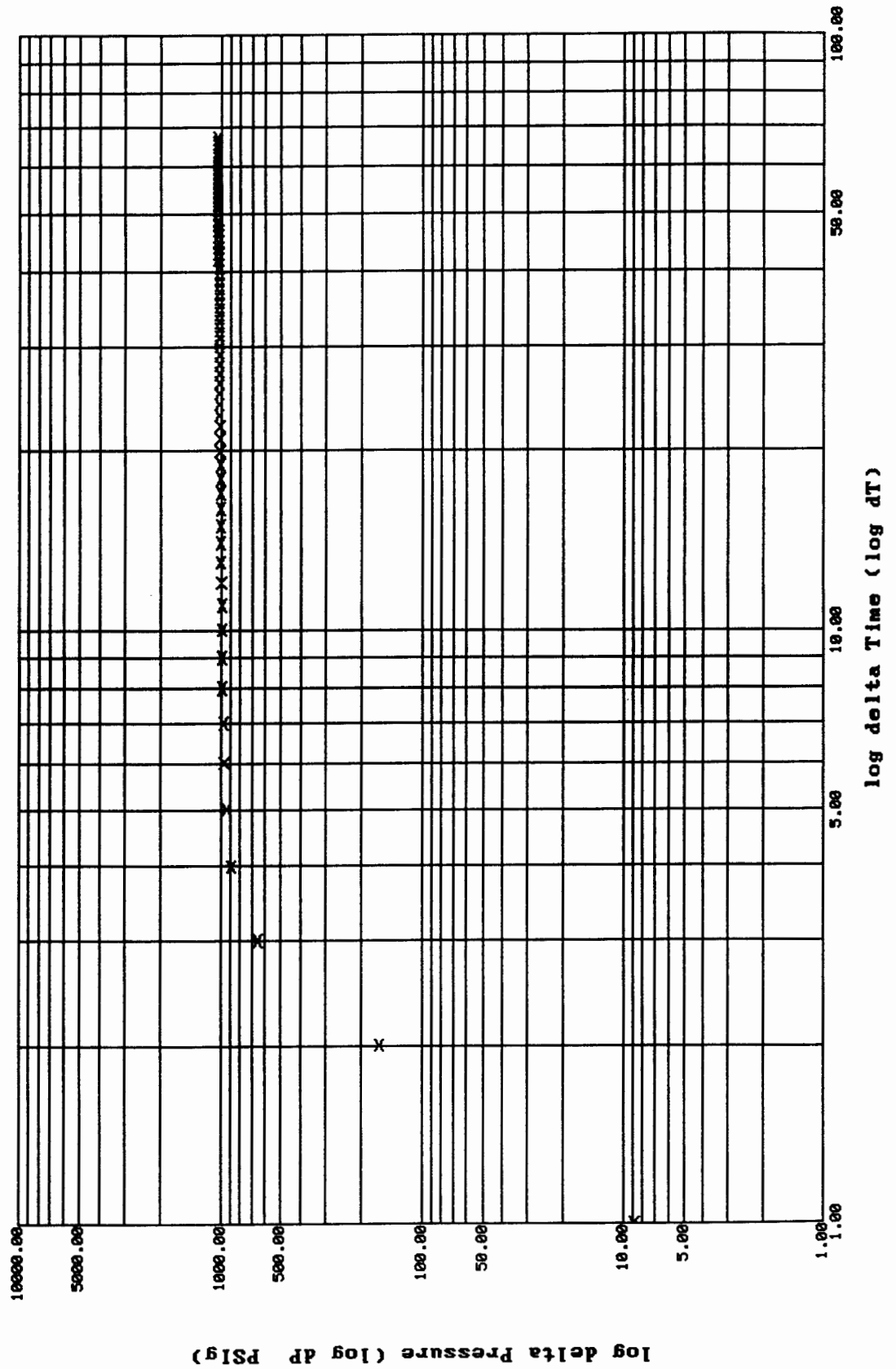
TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.



Ramey Plot: shut-in #1 **TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.**



Ramey Plot: shut-in #2
TICKET #8766 DST #4 LOUISE #1 NOBLE PETRO. INC.



*** TOOL DIAGRAM *** CONV.

WELL NAME: LOUISE #1

LOCATION : 23-11-21

TICKET No. 8766 D.S.T. No. 4 DATE 10-28-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 23

TOTAL TOOL 44

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STAND.Stands Single Total

D.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 44

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3856

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3906

TOTAL DEPTH 3900

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

P.O. SUB	3742
C.O. SUB	
S.I. TOOL	3862
HMV	3867
JARS n/a	
SAFETY JOINT n/a	
PACKER	3872
PACKER	3877
DEPTH 3877	
STUBB 1'	3878
ANCHOR Alpine recorder	
6' PERFS	3884
5' PERFS	3889
T.C.	
DEPTH	
5' PERFS	3894
1' PERFS	3895
AK-1 recorder	
5' PERFS to	3900
BULLNOSE	
T.D.	3900