ORIGINAL

Computer Inventoried **DRILL-STEM TEST DATA**

15-051-24898

Well Name:	BEACH #1				
Company :	NOBEL PETROLEUM				
Location - Sec:	33	**Twp:**	11S	**Rge:**	17W
County:	ELLIS	**State:**	KS	NE NE SW NW	
Date:	06/16/95				

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : NOBEL PETROLEUM, INC DATE 06/16/95
WELL NAME: BEACH #1 KB 2110.00 ft TICKET NO: 8066 DST #1
LOCATION : 33-11S-17W, ELLIS COUNTY GR 0.00 ft FORMATION: KANSAS CITY
INTERVAL : 3426.00 To 3440.00 ft TD 3440.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	20	Rec.		AK-1	AK-1		
SI	20	Range(Psi)	4025.0	4025.0	4700.0	0.0	0.0
SF	20	Clock(hrs)	17640	17640	23832		
FS	20	Depth(ft)	3435.0	3435.0	3430.0	0.0	0.0

TIME DATA----------
PF Fr. 20 to hr
IS Fr. 20 to hr
SF Fr. 20 to hr
FS Fr. 20 to hr

	Field	1	2	3	4
A. Init Hydro	1672.0	1698.0	0.0	0.0	0.0
B. First Flow	10.0	9.0	0.0	0.0	0.0
B1. Final Flow	10.0	9.0	0.0	0.0	0.0
C. In Shut-in	669.0	683.0	0.0	0.0	0.0
D. Init Flow	31.0	43.0	0.0	0.0	0.0
E. Final Flow	31.0	43.0	0.0	0.0	0.0
F. Fl Shut-in	270.0	262.0	0.0	0.0	0.0
G. Final Hydro	1652.0	1651.0	0.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED hr
T ON BOTM hr
T OPEN 0230 hr
T PULLED 0350 hr
T OUT hr

TOOL DATA----------

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	0.00 ft

RECOVERY
Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP
10.00 ft of DRILLING MUD W/ OIL SHOW IN TOOL
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

KCC
JUN 17 1996

MUD DATA----------

Mud Type	CHEMICAL
Weight	9.10 lb/
Vis.	49.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION
INITIAL BLOW -
NO BLOW, FLUSHED TOOL AT 15 MIN, GOOD
SURGE - NO BLOW

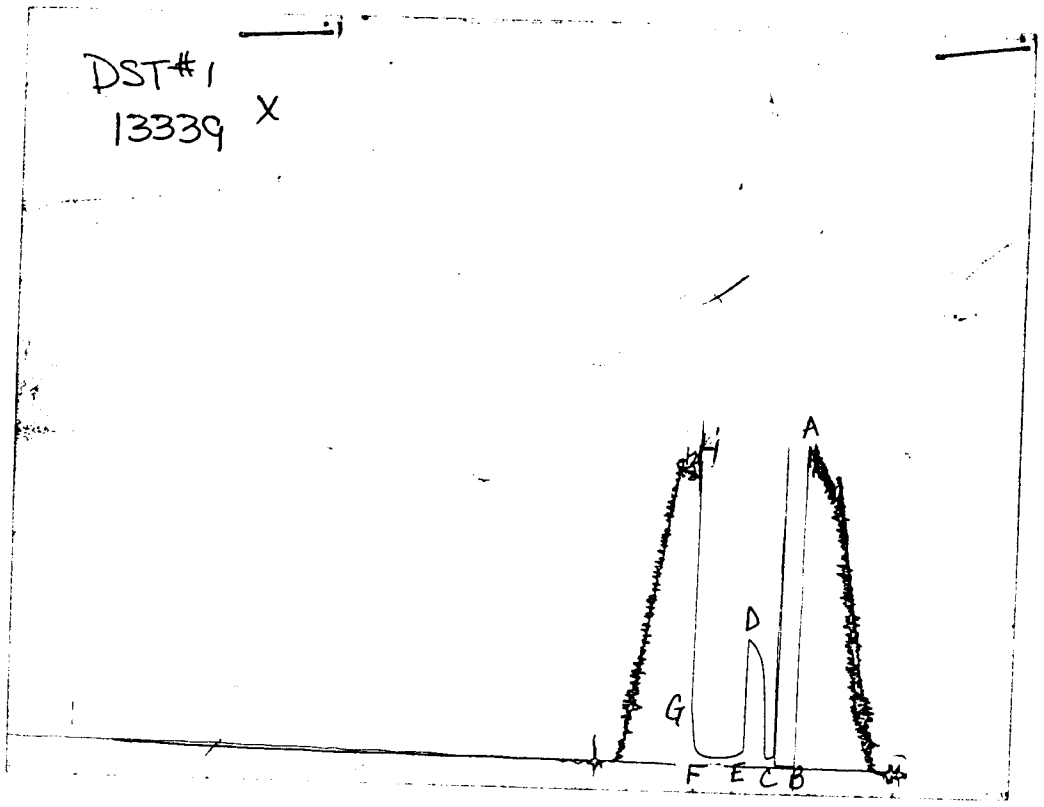
FINAL BLOW -
NO RETURN BLOW

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	ROD STEINBRINK
Co. Rep.	JAY ABLAH
Contr.	DUKE
Rig #	4
Unit #	
Pump T.	

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Nobel Petroleum, Inc. DATE 06/16/95
WELL NAME: Beach #1 KB 2110.00 ft TICKET NO: 7911 DST #2
LOCATION : 33-11S-17W, ELLIS COUNTY GR 2101.00 ft FORMATION: Arbuckle
INTERVAL : 3565.00 To 3611.00 ft TD 3611.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 30	Rec.	AK-1	AK-1	Alpine		
SI 60	Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0
SF 75	Clock(hrs)	12hr	12hr	2346		
FS 150	Depth(ft)	3609.0	3609.0	3571.0	0.0	0.0

TIME DATA----------
PF Fr. 30 to hr
IS Fr. 30 to hr
SF Fr. 30 to hr
FS Fr. 30 to hr

	Field	1	2	3	4
A. Init Hydro	1887.0	1909.0	1803.0	0.0	0.0
B. First Flow	266.0	272.0	273.0	0.0	0.0
B1. Final Flow	447.0	461.0	472.0	0.0	0.0
C. In Shut-in	616.0	625.0	641.0	0.0	0.0
D. Init Flow	500.0	516.0	487.0	0.0	0.0
E. Final Flow	532.0	553.0	571.0	0.0	0.0
F. Fl Shut-in	586.0	598.0	608.0	0.0	0.0
G. Final Hydro	1855.0	1856.0	1772.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2015 hr
T ON BOTM 2057 hr
T OPEN 2059 hr
T PULLED 2259 hr
T OUT 0030 hr

RECOVERY
Tot Fluid 1488.00 ft of 0.00 ft in DC and 1488.00 ft in DP
372.00 ft of gas in pipe
1458.00 ft of clean gassy oil - 15% gas, 85% oil
30.00 ft of slightly muddy oil - 85% oil, 15% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 0.00 P.P.M. A.P.I. Gravity 33.00

TOOL DATA----------

Tool Wt.	1800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	50000.00 lbs
Initial Str Wt	45000.00 lbs
Unseated Str Wt	50000.00 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	3570.00 ft

MUD DATA----------

Mud Type	chemical
Weight	9.10 lb/c
Vis.	49.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	110.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Jerry H. Jay A.
Contr.	Duke
Rig #	4
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Blow -
Strong, bottom of bucket in 1 min;
Blowback: built to bottom of bucket in 15 min

Final Blow -
Strong, building to bottom of bucket in 1 min; Blowback: very weak surface blow

SAMPLES:
SENT TO:

Test Successful:

TEST HISTORY

7911 Nobel Pet. Beach #1 DST #2

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	1802.84
B:	0.00	272.67
C:	25.00	472.51
D:	31.00	641.28
E:	0.00	486.94
F:	29.00	570.87
G:	29.00	608.13
Q:	0.00	1772.46

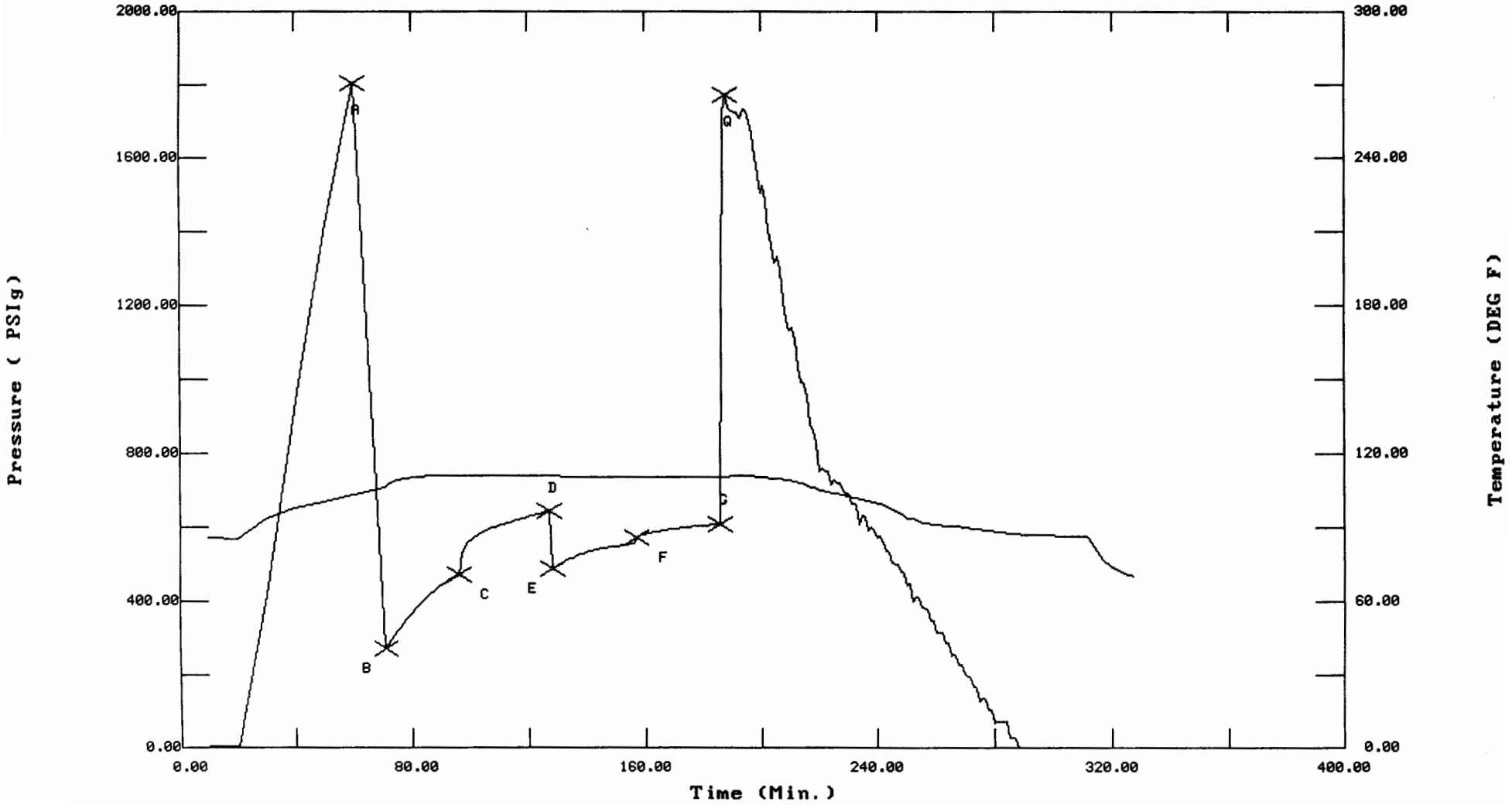
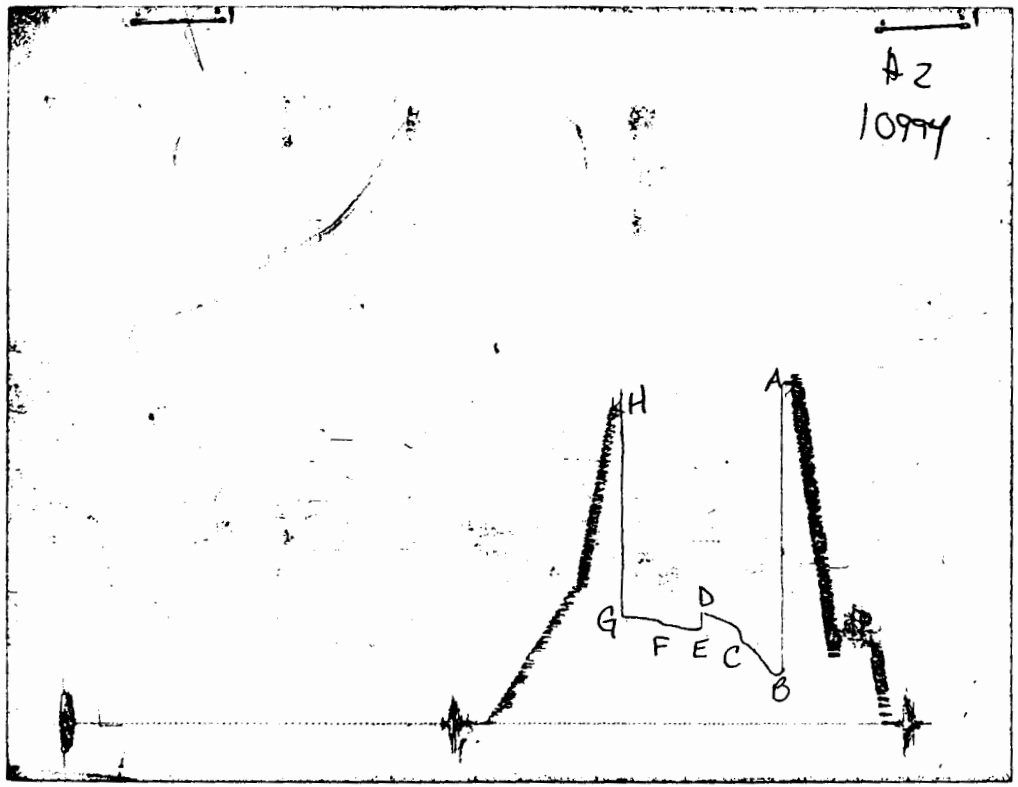


CHART PAGE



This is an actual photograph of an AK1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7911 Nobel Pet. Beach #1 DST #2

DATE: 06/16/95 TIME: 19:52:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	60.00	1802.8	0.0	103.08		
***** Start Flow 1	0.00	272.7	0.0	106.10		
	1.00	283.8	11.2	107.21		
	2.00	295.2	22.6	107.89		
	3.00	306.1	33.4	108.32		
	4.00	317.0	44.3	108.81		
	5.00	328.0	55.3	109.20		
	6.00	339.1	66.4	109.53		
	7.00	349.2	76.5	109.78		
	8.00	359.3	86.6	109.99		
	9.00	368.7	96.0	110.16		
	10.00	377.3	104.7	110.29		
	11.00	386.0	113.3	110.41		
	12.00	394.7	122.0	110.52		
	13.00	402.8	130.2	110.57		
	14.00	410.4	137.7	110.63		
	15.00	417.3	144.6	110.68		
	16.00	424.4	151.7	110.71		
	17.00	431.0	158.4	110.74		
	18.00	437.3	164.7	110.76		
	19.00	443.1	170.5	110.78		
	20.00	448.8	176.2	110.79		
	21.00	454.0	181.3	110.80		
	22.00	459.1	186.4	110.79		
	23.00	463.8	191.1	110.80		
	24.00	468.4	195.7	110.80		
****** End Flow 1	25.00	472.5	199.8	110.80		
****** Start Shutin 1	0.00	472.5	0.0	110.80	0.0000	0.223
	1.00	532.8	60.3	110.78	26.0000	0.284
	2.00	548.0	75.5	110.79	13.5000	0.300
	3.00	557.4	84.9	110.79	9.3333	0.311
	4.00	564.7	92.2	110.79	7.2500	0.319
	5.00	570.8	98.3	110.79	6.0000	0.326
	6.00	576.0	103.5	110.78	5.1667	0.332
	7.00	580.6	108.1	110.80	4.5714	0.337
	8.00	584.6	112.1	110.80	4.1250	0.342
	9.00	588.4	115.9	110.81	3.7778	0.346
	10.00	591.9	119.3	110.81	3.5000	0.350
	11.00	594.9	122.4	110.82	3.2727	0.354
	12.00	597.9	125.4	110.82	3.0833	0.357
	13.00	600.7	128.2	110.82	2.9231	0.361
	14.00	603.4	130.9	110.82	2.7857	0.364
	15.00	606.0	133.4	110.83	2.6667	0.367
	16.00	608.3	135.8	110.83	2.5625	0.370
	17.00	610.6	138.1	110.82	2.4706	0.373
	18.00	613.1	140.6	110.82	2.3889	0.376
	19.00	615.4	142.9	110.82	2.3158	0.379
	20.00	618.0	145.5	110.82	2.2500	0.382
	21.00	620.3	147.8	110.81	2.1905	0.385
	22.00	622.2	149.7	110.81	2.1364	0.387
	23.00	624.8	152.2	110.80	2.0870	0.390

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7911 Nobel Pet. Beach #1 DST #2

DATE: 06/16/95 TIME: 19:52:48

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	24.00	626.4	153.9	110.80	2.0417	0.392
	25.00	629.5	156.9	110.80	2.0000	0.396
	26.00	632.1	159.5	110.78	1.9615	0.399
	27.00	633.7	161.2	110.78	1.9259	0.402
	28.00	636.2	163.7	110.77	1.8929	0.405
	29.00	638.7	166.2	110.76	1.8621	0.408
	30.00	641.5	168.9	110.76	1.8333	0.411
****** End Shut-in 1	31.00	641.3	168.8	110.74	1.8065	0.411
****** Start Flow 2	0.00	486.9	0.0	110.73		
	1.00	491.4	4.4	110.70		
	2.00	496.7	9.7	110.65		
	3.00	500.7	13.8	110.59		
	4.00	505.2	18.2	110.57		
	5.00	509.4	22.5	110.51		
	6.00	513.4	26.4	110.50		
	7.00	516.8	29.9	110.47		
	8.00	520.3	33.4	110.46		
	9.00	523.4	36.4	110.45		
	10.00	526.1	39.2	110.44		
	11.00	528.8	41.9	110.46		
	12.00	531.3	44.4	110.43		
	13.00	533.5	46.6	110.43		
	14.00	535.6	48.7	110.43		
	15.00	537.4	50.4	110.45		
	16.00	539.1	52.2	110.43		
	17.00	541.2	54.2	110.45		
	18.00	542.8	55.9	110.45		
	19.00	544.4	57.5	110.44		
	20.00	545.3	58.3	110.46		
	21.00	546.7	59.8	110.46		
	22.00	548.0	61.0	110.46		
	23.00	549.1	62.2	110.44		
	24.00	550.8	63.9	110.46		
	25.00	551.9	65.0	110.46		
	26.00	553.0	66.1	110.47		
	27.00	554.3	67.3	110.47		
	28.00	555.4	68.5	110.46		
****** End Flow 2	29.00	570.9	83.9	110.46		
****** Start Shutin 2	0.00	570.9	0.0	110.46	0.0000	0.326
	1.00	575.4	4.5	110.46	55.0000	0.331
	2.00	578.3	7.4	110.46	28.0000	0.334
	3.00	580.6	9.7	110.46	19.0000	0.337
	4.00	582.5	11.7	110.47	14.5000	0.339
	5.00	584.3	13.4	110.46	11.8000	0.341
	6.00	585.8	14.9	110.47	10.0000	0.343
	7.00	587.3	16.4	110.46	8.7143	0.345
	8.00	588.7	17.9	110.46	7.7500	0.347
	9.00	590.0	19.1	110.46	7.0000	0.348
	10.00	591.3	20.4	110.45	6.4000	0.350
	11.00	592.4	21.6	110.45	5.9091	0.351
	12.00	593.4	22.6	110.45	5.5000	0.352

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7911 Nobel Pet. Beach #1 DST #2

DATE: 06/16/95 TIME: 19:52:48

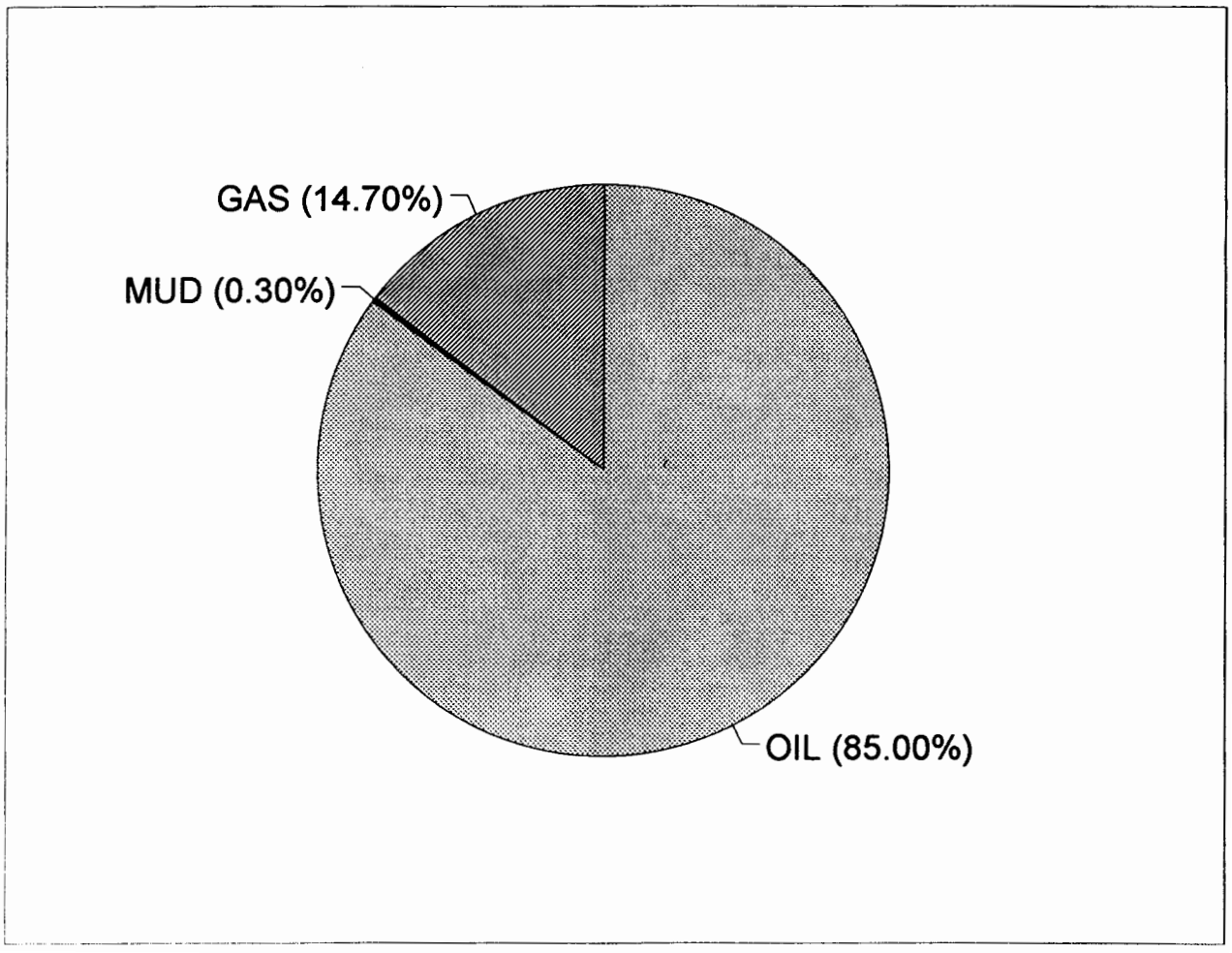
	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	13.00	594.5	23.7	110.44	5.1538	0.353
	14.00	595.5	24.7	110.44	4.8571	0.355
	15.00	596.6	25.7	110.44	4.6000	0.356
	16.00	597.6	26.7	110.43	4.3750	0.357
	17.00	598.6	27.8	110.43	4.1765	0.358
	18.00	599.5	28.6	110.43	4.0000	0.359
	19.00	600.3	29.5	110.42	3.8421	0.360
	20.00	601.3	30.4	110.41	3.7000	0.362
	21.00	602.1	31.2	110.41	3.5714	0.363
	22.00	602.8	32.0	110.39	3.4545	0.363
	23.00	603.6	32.7	110.40	3.3478	0.364
	24.00	604.4	33.5	110.39	3.2500	0.365
	25.00	605.2	34.3	110.38	3.1600	0.366
	26.00	605.9	35.0	110.38	3.0769	0.367
	27.00	606.6	35.8	110.37	3.0000	0.368
	28.00	607.5	36.6	110.36	2.9286	0.369
****** End Shut-in 2	29.00	608.1	37.3	110.34	2.8621	0.370
****** Final Hydro.	188.00	1772.5	0.0	110.40		

CALCULATED RECOVERY ANAL DRILL PIPE

DST # 2 TICKET # 7911

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	1458	15	218.7	85	1239.3		0		0
2	30		0	85	25.5		0	15	4.5
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	1488	14.70	218.7	85.00	1264.8	0	0	0.30	4.5

			HRS OPE	BBL/DAY
BBL OIL=	17.98546	*	1.00	431.65
BBL WATER=	0	*		0.00
BBL MUD=	0.06399			
BBL GAS	3.109914			



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Beach #1

LOCATION : 33-11S-17W, ELLIS COUNTY

TICKET No. 7911 D.S.T. No. 2 DATE 06/16/95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 21

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 15

TOTAL TOOL 36

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 67

D.C. ABOVE TOOLS.Stands Single Total

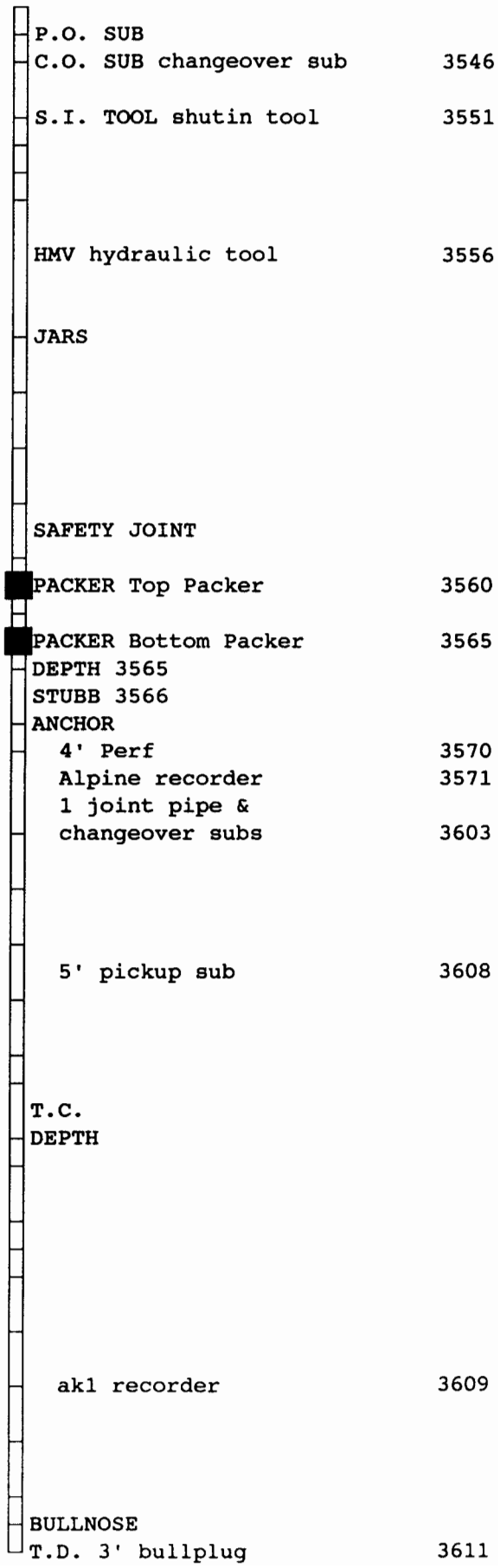
D.P. ABOVE TOOLS.Stands57 Single 1 Total 3570

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3637

TOTAL DEPTH 3611

TOTAL DRILL PIPE ABOVE K.B. 26

REMARKS:

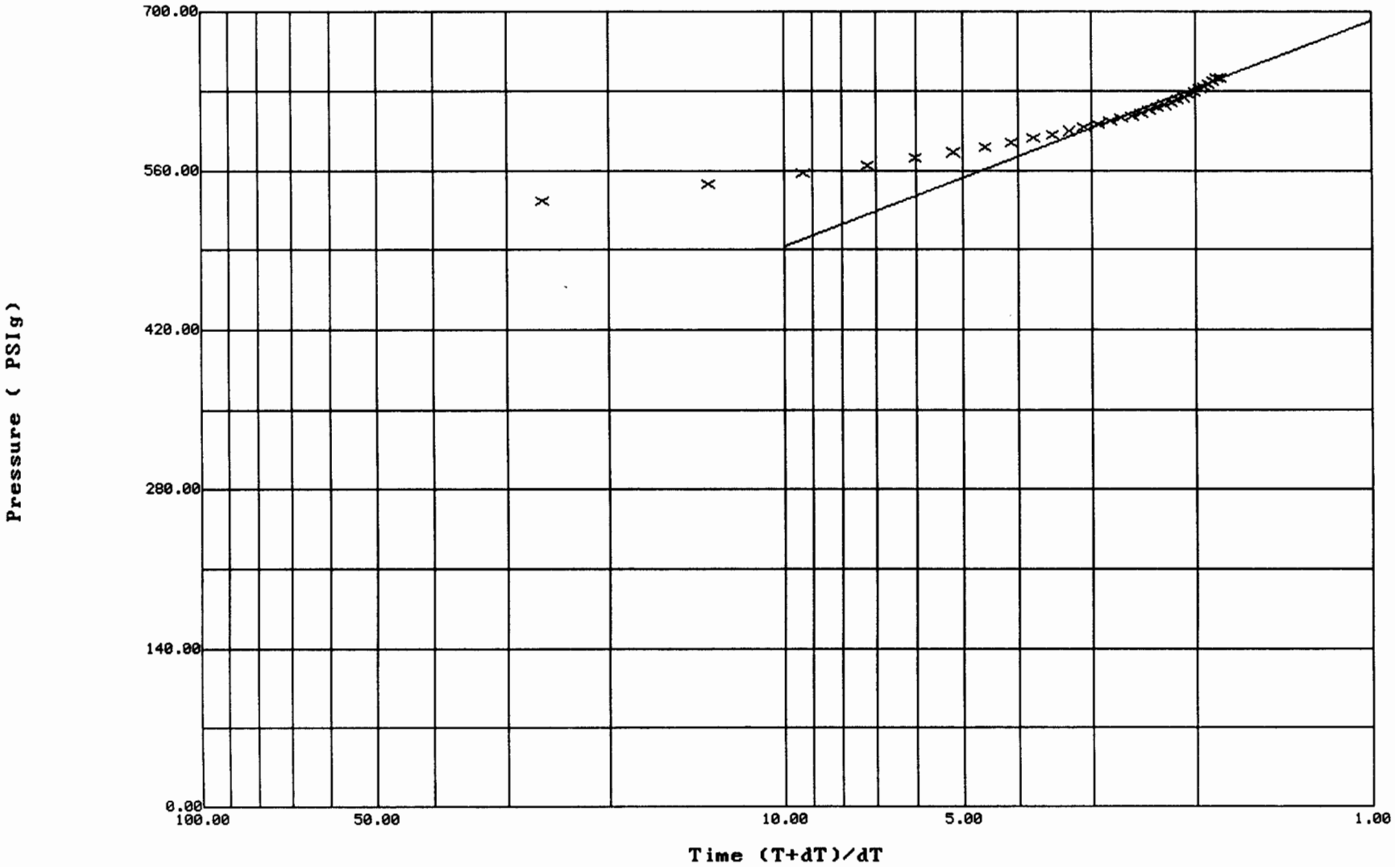


Horner Plot: shut-in #1

7911 Nobel Pet. Beach #1 DST #2

Slope: 199.0692 PSIg/cycle

Ext. Pressure: 692.8984 PSIg

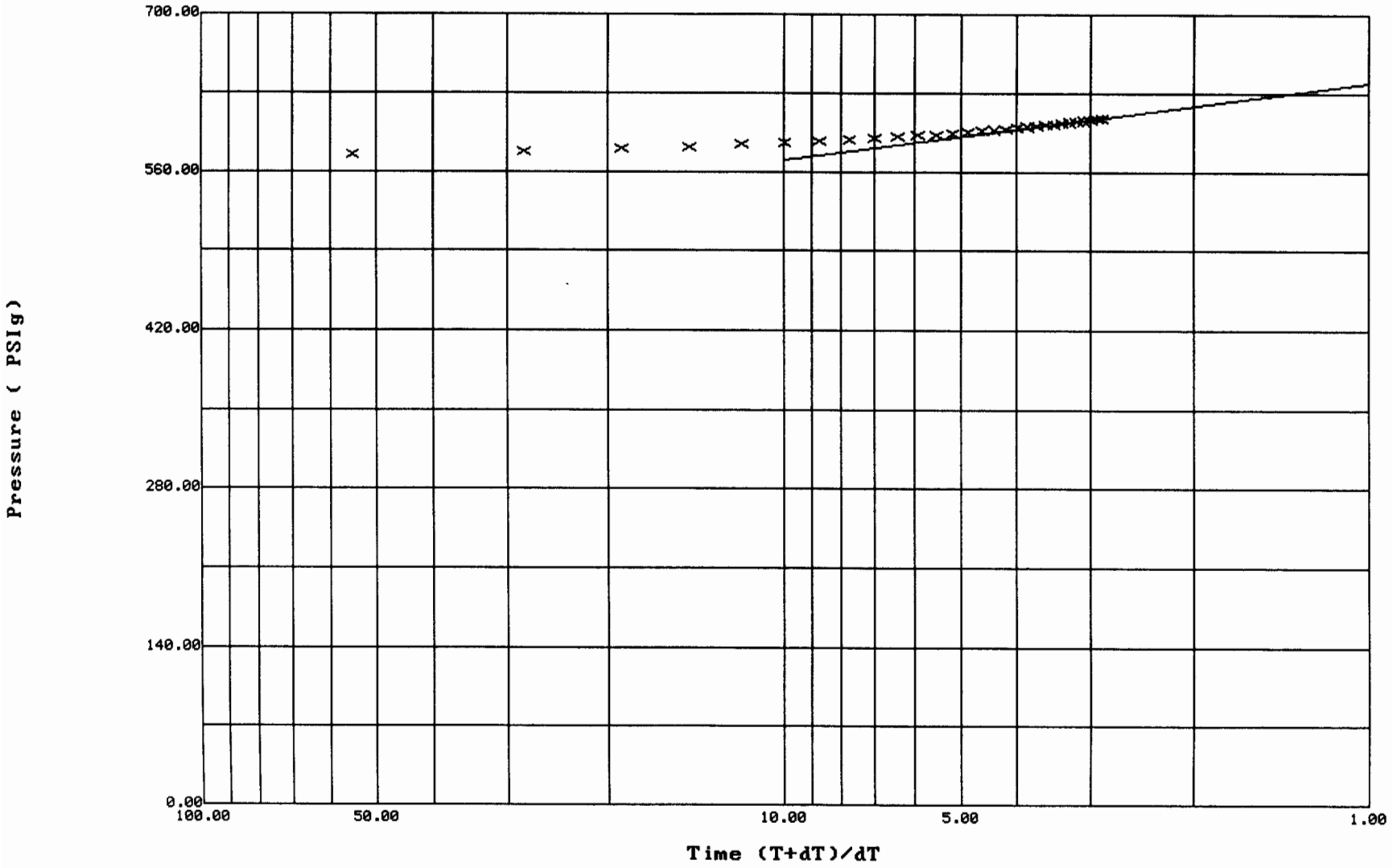


Horner Plot: shut-in #2

7911 Nobel Pet. Beach #1 DST #2

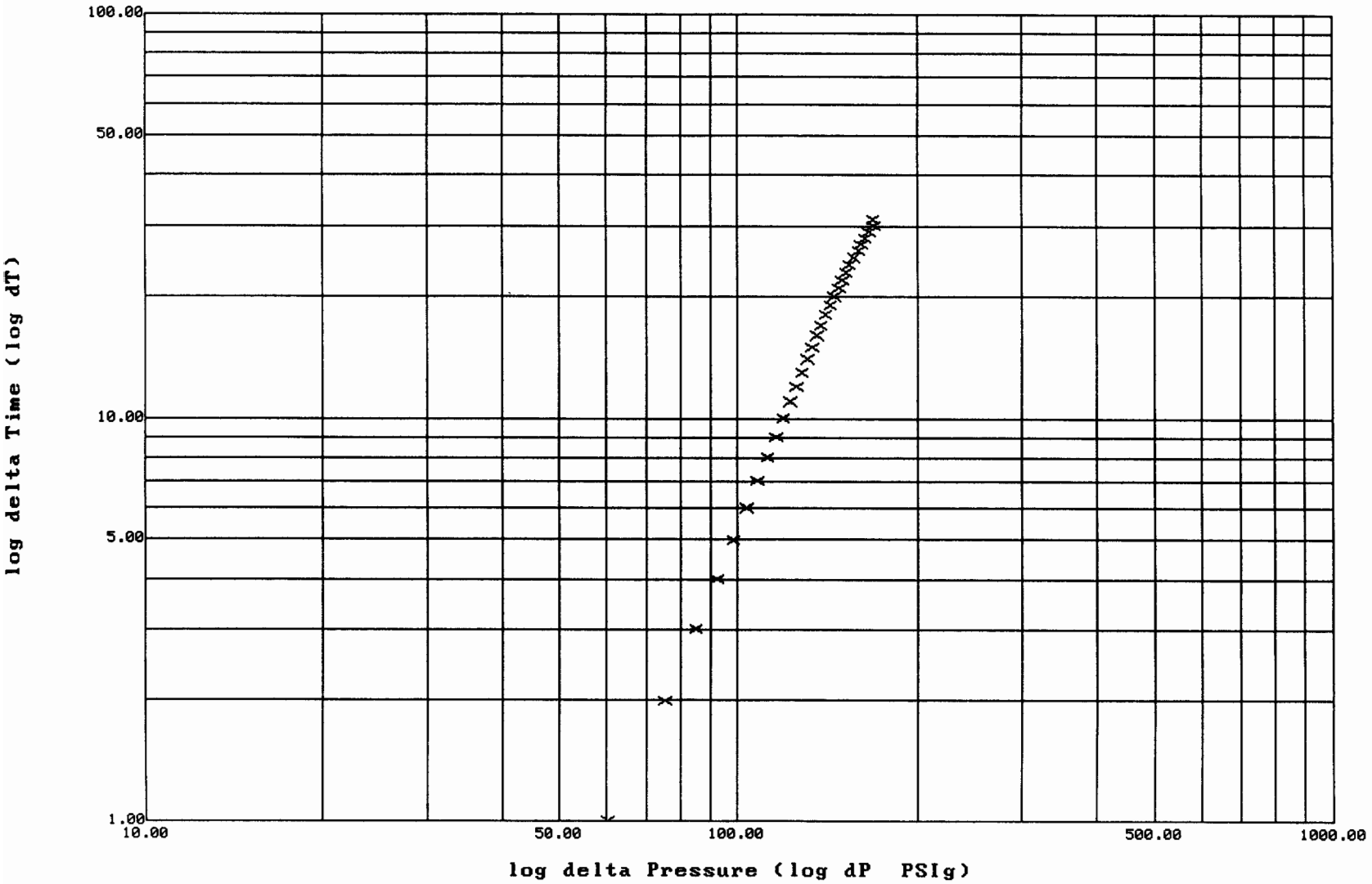
Slope: 69.5818 PSIg/cycle

Ext. Pressure: 639.8911 PSIg



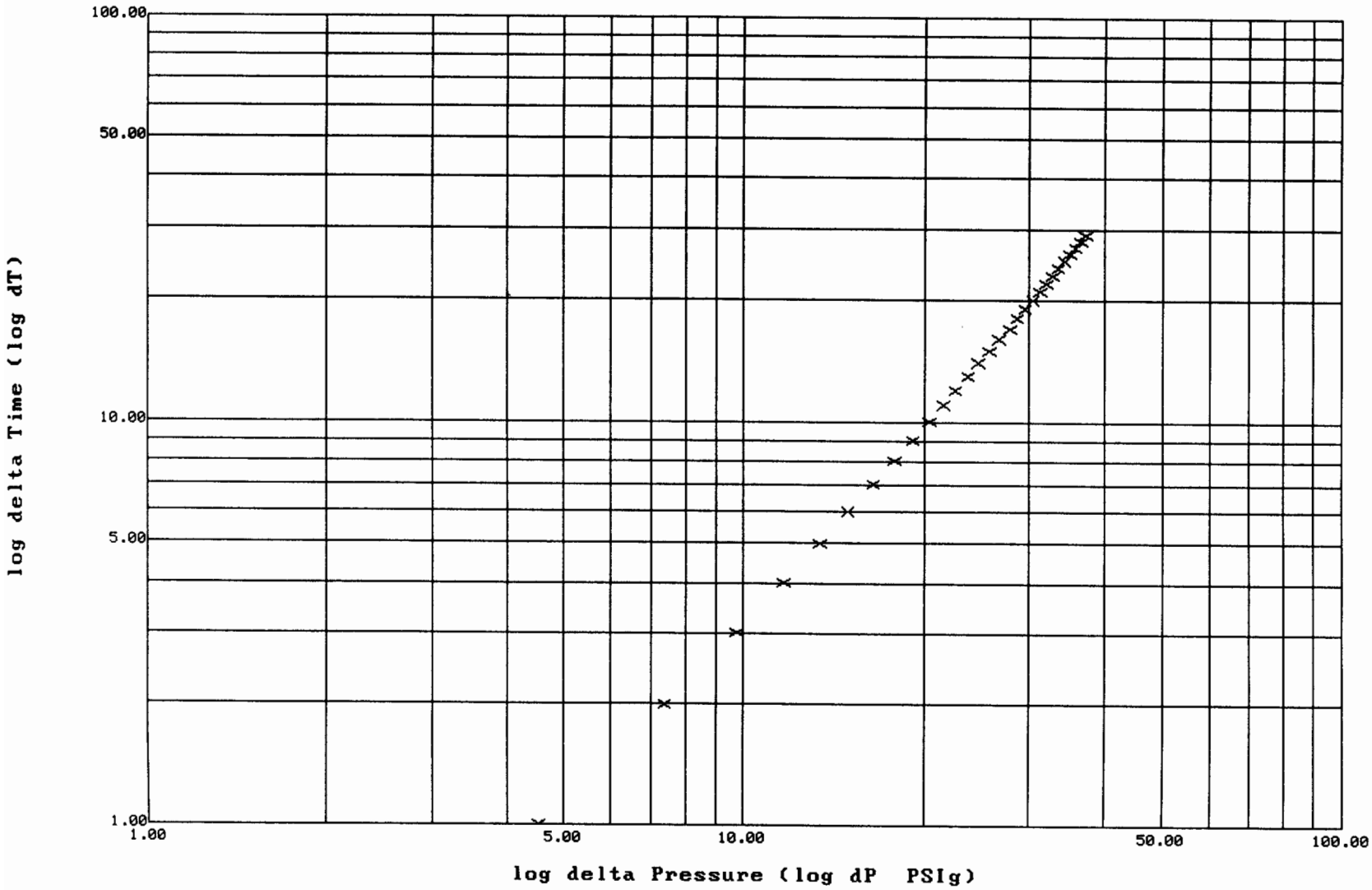
McKinley Plot: shut-in #1

7911 Nobel Pet. Beach #1 DST #2



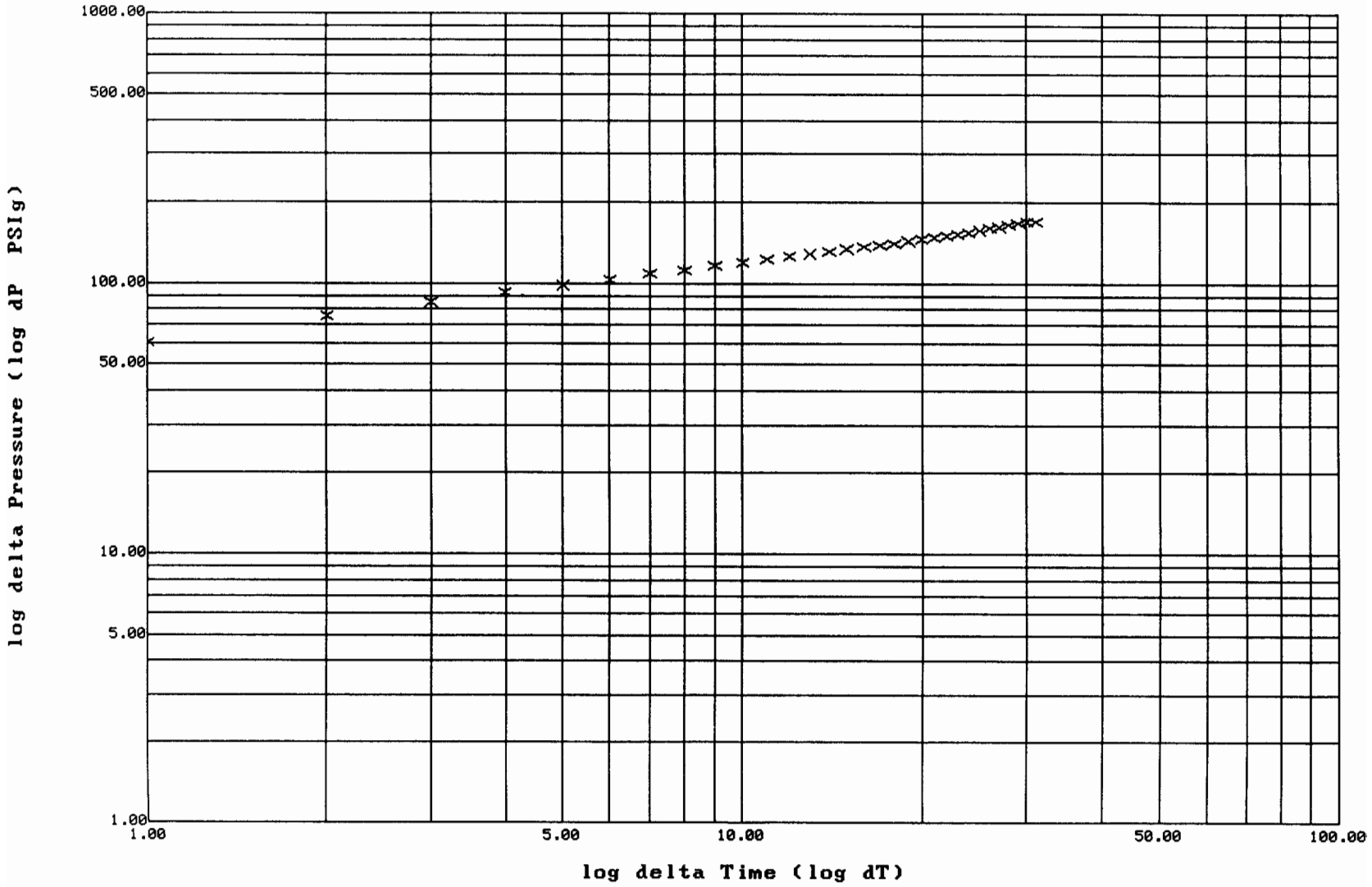
McKinley Plot: shut-in #2

7911 Nobel Pet. Beach #1 DST #2



Ramey Plot: shut-in #1

7911 Nobel Pet. Beach #1 DST #2



Ramey Plot: shut-in #2

7911 Nobel Pet. Beach #1 DST #2