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HYDROGEOLOGIC DATA COLLECTED FROM THE UPPER EAST COAST PLANNING AREA SOUTH FLORIDA WATER MANAGEMENT DISTRICT

by

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ACKNOWLEDGEMENTS

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All work was completed under the supervision of Abe Kreitman, Director, Groundwater Division, South Florida Water Management District.

INTRODUCTION

The South Florida Water Management District's Upper East Coast Planning Area (UECPA) is composed of 1,304 square miles including Martin County, St. Lucie County, and eastern Okeechobee County (Figure 1). The Floridan aquifer system in this area is an important source of water for agricultural irrigation. Also, Floridan aquifer water treated by reverse osmosis supplies potable water for some coastal developments.

Because of the importance of the Floridan aquifer system in the UECPA, the South Florida Water Management District (SFWMD) initiated a three year reconnaissance study to define the physical system making up the aquifer, and to establish a monitoring network to detect changes in potentiometric levels and water quality. This report presents the basic data collected by the authors. Interpretive maps of potentiometric surface, water quality, and geology produced from this study are presented elsewhere (Brown and Reece, 1979). Aquifer test data and analyses are presented in an additional report (Brown, 1980).

This report contains the following data for the UECPA:

(1) Potentiometric level measurements (Table 3).

(2) Wellhead water quality analyses (Table 4).

(3) Borehole point sample water quality analyses (Table 5).

(4) Geologic descriptions of drill cuttings (Table 6).

(5) Copies of borehole geophysical logs (Table 7).

MONITORING WELL NETWORK

Existing, privately owned wells were the source of data for this study. An initial inventory of wells penetrating the Floridan aquifer was conducted. Wells were selected for inclusion in a potentiometric surface and water quality monitoring network based on the following criteria:

(1) Cooperation of owner,

(2) Capability of obtaining representative water level measurements and water samples,

(3) Access into wells for borehole geophysical logging,

(4) Suitability for aquifer testing,

(5) Deepest penetration of aquifer,

(6) Absence of uncontrolled flowing wells in surrounding area, and

(7) Even distribution throughout the study area to the extent possible.

Table 1 lists descriptions and locations of the 40 wells (shown in Figure 1) which were used as data collection sites.

POTENTIOMETRIC LEVEL MEASUREMENTS

Potentiometric measurements were made on a monthly basis from January 1977 to March 1978. Bimonthly measurements were made from March 1978 to September 1978, with semi-annual measurements since September 1978. Shut-in pressures in the aquifer were measured with a calibrated mechanical pressure gage read to the nearest inch of head above the measuring point. Measuring points for each well were referenced to mean sea level (msl or National Geodetic Vertical Datum of 1929) by a leveling survey. To compensate for changes in water density caused by contact of cooler shallow groundwater with the well casing, all wells were discharged to a steady-state temperature. The well was then shut-in and the final pressure was measured after the well stabilized. Since large

areal changes in water quality and temperature influence the measured pressure head, an additional correction was made. Specific gravity data collected, concurrent with pressure measurements, were used along with the height of the water column above the top of the Floridan aquifer to correct all pressure head data to a constant borehole water specific gravity of 1.0000 by the following formula:

$$H = H_0 - [(1.0000 - p) \cdot (y)]$$

where

H = corrected head in feet msl

H_0 = uncorrected head in feet msl

p = specific gravity

y = depth to the top of the Floridan aquifer in feet from the measuring point.

All head measurements are given in feet referenced to msl. Head measurements for 27 wells are listed in Table 3.

WATER QUALITY DATA

Wellhead water samples were collected on a monthly basis from January 1977 to March 1978. Bimonthly samples were taken from March 1978 to September 1978 with semi-annual sampling since September 1978. Some samples were also taken at irregular intervals during logging and aquifer testing. Water samples were taken after the wells had discharged to steady-state borehole temperatures. This procedure assured complete flushing of the borehole and provided consistent sampling during the study. Temperature, specific gravity, specific conductance, pH, and alkalinity were measured on site immediately after sampling. Water samples were refrigerated and analyzed in the laboratory by standard methods for dissolved sodium, potassium, calcium, magnesium, chloride, sulfate,

strontium, and in some cases, for iron. Total dissolved solids were determined gravimetrically with drying at 104°C. Wellhead water analyses for 36 wells are presented in Table 4. Arithmetic means and standard deviations are included in Table 4 to aid in comparison of data among wells.

Five wells were sampled at various depths under natural discharge conditions with a downhole point sampler. Sampling points were chosen above, below, and in a few cases, within intervals of flow contribution to the open borehole. Intervals of flow contribution were determined from fluid temperature, fluid resistivity, and flowmeter borehole geophysical logs as reported elsewhere (Brown and Reece, 1979). The borehole point water samples were analyzed by the same procedures discussed previously for wellhead water samples. Downhole point sample water analyses are listed in Table 5.

GEOLOGIC DATA

Drill cutting samples were collected by either the drilling crew or SFWMD personnel during drilling operations by private firms using either hydraulic rotary or percussion drilling methods. Wells for which geologic descriptions are included in this report are indicated in Table 2. Locations of these wells are shown in Figure 1. Except for well MF-4, where cuttings were collected at distinct lithologic changes only, drill cutting samples were collected every ten or twenty feet as well as at observed lithologic changes. All cuttings were examined by SFWMD personnel. Florida State University staff members conducted microfossil identification and x-ray diffraction analyses of the cuttings through a grant from the SFWMD. Stratigraphic correlations were described elsewhere (Mooney, et.al., 1980). Descriptions of lithology and the presence of certain key fossils are presented in the form of geologic logs in Table 6. All cuttings have been forwarded to the Florida Bureau of Geology, Tallahassee, Florida.

BOREHOLE GEOPHYSICAL DATA

Borehole geophysical data collected from 23 discharging wells in the UECPA are listed in Table 2. The following surveys were made in most of these wells: spontaneous potential (Spontaneous Pot), 16 and 64 inch normal resistivity (Res), 6 ft. lateral resistivity, caliper, flowmeter, natural gamma radiation, neutron porosity, borehole fluid temperature (Temp Gradient), and borehole fluid resistivity (Res). Analog strip chart records of the geophysical surveys were digitized and are stored in computer files at the District office.

The borehole geophysical surveys (except 6 ft. lateral resistivity) are presented in Table 7 with all surveys for a given well appearing on a single page. The South Florida Water Management District well numbers and the dates surveys were made are listed above each suite of surveys. All logs are presented with a depth scale of 1 inch = 100 ft. Depth scales are generally referenced to the top of casing (TOC). The potentiometric measuring points reported in Table 3 are located on the well casing within three feet of the top of casing. The elevations of these measuring points may be considered the approximate elevation referenced to msl for the geophysical logs. Calibrated scales are given for each survey of every well. These scales vary somewhat from well to well.

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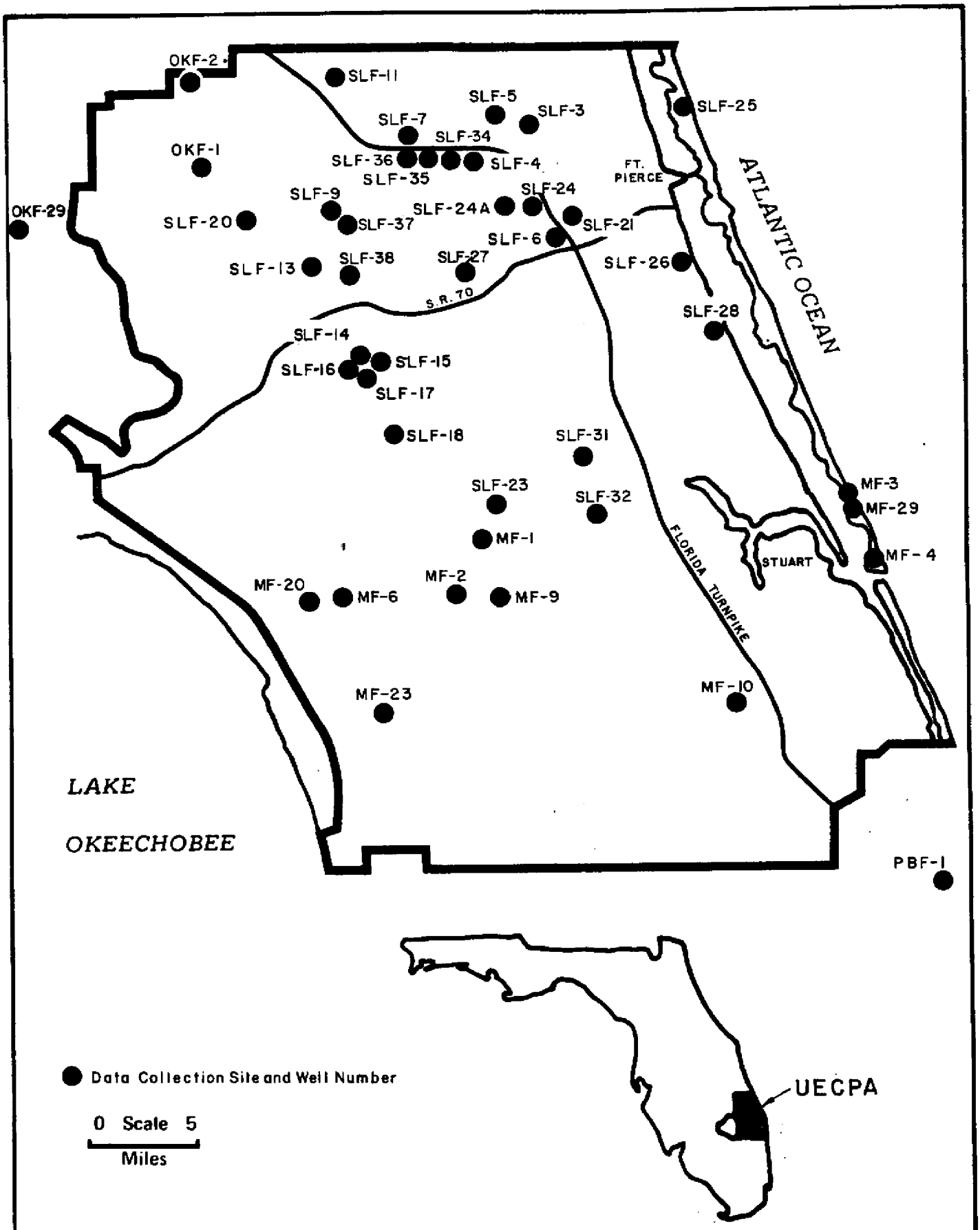


Figure 1 LOCATION OF UPPER EAST COAST PLANNING AREA AND DATA COLLECTION SITES

TABLE 1

WELL LOCATIONS AND DESCRIPTIONS

TABLE 1. WELL

SFWMD WELL NUMBER	OWNER
MF-1	ZODIAC RANCH
MF-2	ALLAPATTAH PROPERTIES INC.
MF-3	INDIAN RIVER PLANTATION DEVELOPMENT CORP.
MF-4	MOBIL OIL ESTATES
MF-6	BRANDY WINE RANCH
MF-9	ALLAPATTAH PROPERTIES, INC.
MF-10	KARST GROVES
MF-20	BOB S GROVES
MF-23	FLORIDA POWER AND LIGHT COMPANY
MF-29	INDIAN RIVER PLANTATION DEVELOPMENT CORP.
OKF-1	SCOTT RANCH
OKF-2	EVANS PROPERTIES INC.
OKF-29	MCARTHUR DAIRY
PBF-1	BROADVIEW CONDOMINIUMS
SLF-3	MARNEZ GROVES
SLF-4	ORANGE CO. OF FLORIDA
SLF-5	EDGAR BROWN
SLF-6	DICK ROBINSON
SLF-7	UNITED GROVE CARETAKERS
SLF-9	ADAM S RANCH
SLF-11	GREEN RANCH
SLF-13	ADAM S RANCH
SLF-14	SUNSWEET GROVES
SLF-15	SUNSWEET GROVES
SLF-16	SUNSWEET GROVES
SLF-17	SUNSWEET GROVES
SLF-18	ALLAPAT OPERATING CO.
SLF-20	COW CREEK RANCH INC.
SLF-21	AGRICULTURAL EXPERIMENT STATION
SLF-23	R.B.C. GROVES
SLF-24	COCA COLA
SLF-24A	COCA COLA

LOCATIONS AND DESCRIPTIONS

LATITUDE	LONGITUDE	S	T	R	DEPTH OF WELL (FEET LS)	CASING DEPTH (FEET LS)	CASING I.D. (INCHES)
27 12 12	80 29 00	1	38S	38E	837	0-377	5.00
27 09 39	80 30 05	23	38S	38E			6.00
27 12 49	80 10 44	31	37S	42E	980	0-543	8.00
27 11 04	80 09 43	08	38S	42E	1525	0-658	6.00
27 09 39	80 35 00	24	38S	37E	1052	0-162	4.25
						162-400	3.50
27 10 03	80 28 00	18	38S	39E	880	0-342	6.00
27 04 32	80 17 23	13	39S	40E	993	0-240	5.50
						240-474	4.25
27 09 19	80 36 50	22	38S	37E	1200	0-434	8.00
27 04 25	80 33 47	17	39S	38E	1119	0-170	5.50
						170-456	4.25
27 12 49	80 10 50	31	37S	42E	1025	0-625	8.00
27 28 15	80 42 54	3	35S	36E			4.00
27 32 38	80 42 42	11	34S	36E	686	0-218	5.75
27 26 30	80 50 30	09	35S	35E	1039	0-336	6.00
26 58 11	80 05 16	30	40S	43E	1038	0-250	6.00
27 29 57	80 26 16	21	34S	39E	1106	0-310	16.00
27 28 23	80 29 02	36	34S	38E	993	0-482	9.25
27 30 00	80 27 52	20	34S	39E	1227	0-355	12.00
27 24 45	80 24 15	23	35S	39E	596	0-142	3.00
27 29 12	80 31 58	28	34S	38E	1040	0-257	10.00
27 26 50	80 35 28	12	35S	37E	1058	0-263	10.00
27 32 12	80 35 11	12	34S	37E	946	0-224	8.00
27 24 12	80 36 48	27	35S	37E	1238	0-344	12.00
27 20 14	80 34 18	19	36S	38E	1286	0-318	7.75
27 20 00	80 34 18	19	36S	38E			
27 19 53	80 34 17	19	36S	38E	1239	0-328	6.50
27 19 33	80 34 18	19	36S	38E	1286	0-320	10.00
27 16 45	80 33 16	5	37S	38E	1240	0-330	12.00
27 26 04	80 40 40	18	35S	37E	896	0-311	5.00
27 25 37	80 24 09	14	35S	39E	700	0-156	3.50
27 13 11	80 28 11	31	37S	39E	894	0-350	6.00
27 25 45	80 25 32	15	35S	39E			10.00
27 25 45	80 25 41	15	35S	39E			10.00

TABLE 1. WELL LOCATIONS AND DESCRIPTIONS (CONT D)

SFWMD WELL NUMBER	OWNER	LATITUDE	LONGITUDE	S	T	R	DEPTH OF WELL (FEET LS)	CASING DEPTH (FEET LS)	CASING I.D. (INCHES)
SLF-25	QUEENS COVE	27 30 50	80 18 51	23	34S	40E			4.00
SLF-26	SAVANNAHS COUNTY PARK	27 23 23	80 18 39	35	35S	40E	958	0-382	3.25
SLF-27	BLUE TWO GROVES	27 23 22	80 30 49	35	35S	38E	900	-	8.00
SLF-28	MR. CASTLOW	27 20 28	80 16 35	18	36S	41E	883	0-200	4.00
SLF-31	GENERAL DEVELOPMENT CORP.	27 16 14	80 23 50	12	37S	39E	1008	0-136	4.25
								136-818	3.50
SLF-32	GENERAL DEVELOPMENT CORP.	27 13 11	80 24 00	36	37S	39E	1007		4.00
SLF-34	ORANGE CO	27 28 28	80 29 10	36	34S	38E			
SLF-35	ORANGE CO	27 28 23	80 30 07	35	34S	38E			
SLF-36	UNITED GROVE CARETAKERS	27 28 40	80 31 56	34	34S	38E			
SLF-37	ADAM S RANCH	27 26 39	80 35 24	12	35S	37E			
SLF-38	ADAM S RANCH	27 24 05	80 35 45	25	35S	37E			

TABLE 2

GEOLOGIC AND GEOPHYSICAL LOG AVAILABILITY

TABLE 2. GEOLOGIC AND GEOPHYSICAL LOG AVAILABILITY

SFWMD WELL NO.	GEOLOGIC LOG	CALIPER	6 FT. LATERAL RESISTIVITY	16, 64 INCH NORMAL RESISTIVITY	SPONTANEOUS POTENTIAL	NATURAL GAMMA	NEUTRON POROSITY	FLOWMETER	TEMPERATURE GRADIENT	DIFFERENTIAL TEMPERATURE	FLUID RESISTIVIT
MF-1				X	X	X	X		X		X
MF-3	X	X		X	X	X			X		
MF-4	X										
MF-6		X	X	X	X	X	X	X	X		X
MF-9		X		X	X	X		X	X		X
MF-10		X				X	X	X	X		X
MF-20	X	X		X	X	X	X	X	X	X	
MF-23		X		X		X	X	X	X		X
OKF-2		X	X	X	X	X	X	X	X		X
OKF-29	X	X		X	X	X	X	X	X		X
PBF-1	X										
SLF-4		X	X	X	X	X	X	X	X		X
SLF-5	X	X		X	X	X	X	X	X		X
SLF-6		X				X			X		X
SLF-9		X	X	X	X	X	X	X	X		X
SLF-11		X	X	X	X	X	X	X	X		X
SLF-14	X	X		X	X	X	X	X	X		X
SLF-16		X		X	X	X	X	X	X		X
SLF-17		X	X	X	X	X	X	X	X		X
SLF-20		X	X	X	X	X	X	X	X		X
SLF-21		X		X	X	X	X	X	X		X
SLF-23	X			X		X		X	X	X	
SLF-26		X				X	X	X	X	X	X
SLF-28		X				X		X	X		
SLF-31		X	X	X	X	X	X		X		

TABLE 3

POTENTIOMETRIC LEVEL DATA BY STATION

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
MF- 1	9/ 1/77	31.645	50.40
	9/30/77	31.645	50.81
	10/27/77	31.645	50.15
	12/ 5/77	31.645	51.06
	12/30/77	31.645	51.23
	2/ 2/78	31.645	51.23
	3/31/78	31.645	50.98
	9/21/78	31.645	52.48
MF- 2	9/ 1/77	30.930	49.01
	9/30/77	30.930	49.51
	10/27/77	30.930	48.51
	12/30/77	30.930	47.60
	2/ 2/78	30.930	49.68
	3/31/78	30.930	48.93
	5/24/78	30.930	48.76
	9/21/78	30.930	50.51
	5/10/79	30.930	48.10
	9/13/79	30.930	49.68
MF- 6	9/ 2/77	35.400	43.73
	9/30/77	35.400	44.15
	10/27/77	35.400	42.07
	12/ 5/77	35.400	42.90
	12/29/77	35.400	42.23
	2/ 2/78	35.400	40.57
	3/31/78	35.400	42.90
	5/24/78	35.400	46.48
	9/21/78	35.400	44.73
	5/10/79	35.400	41.73
	9/13/79	35.400	44.40
MF- 10	9/28/77	22.340	49.67
	10/25/77	22.340	49.84

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9985	49.42	652
.9970	48.86	
.9990	49.49	
.9980	49.76	
.9980	49.92	
.9980	49.92	
.9985	50.00	
.9980	51.17	
.9970	46.99	675
.9975	47.83	
.9975	46.83	
.9980	46.25	
.9985	48.67	
.9980	47.58	
.9985	47.75	
.9980	49.16	
.9980	46.75	
.9980	42.25	740
.9980	40.59	
.9985	41.79	
.9985	41.12	
.9975	38.72	
.9980	41.42	
.9970	44.26	
.9975	42.88	
.9985	40.62	
.9970	47.72	650
.9980	48.54	

TABLE 3. POTENTIOMETRIC LEVEL

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL
MF- 10	11/28/77	22.340	48.89
	12/30/77	22.340	50.09
	1/31/78	22.340	50.01
	3/29/78	22.340	50.01
	5/24/78	22.340	49.51
	9/21/78	22.340	50.76
	5/ 9/79	22.340	49.67
	9/17/79	22.340	49.42
MF- 23	2/28/77	33.350	48.31
	4/27/77	33.350	46.68
	6/ 1/77	33.350	47.10
	7/26/77	33.350	48.68
	9/ 2/77	33.350	49.02
	9/28/77	33.350	49.77
	10/27/77	33.350	49.18
	12/ 5/77	33.350	50.02
	12/30/77	33.350	49.93
	2/ 2/78	33.350	50.18
	3/31/78	33.350	49.85
	5/24/78	33.350	49.02
	9/21/78	33.350	50.77
	5/ 9/79	33.350	48.43
	9/13/79	33.350	49.35
MF- 29	9/29/77	6.190	45.61
	10/25/77	6.190	42.86
	11/28/77	6.190	43.12
	12/28/77	6.190	43.52
	1/31/78	6.190	48.86
	3/29/78	6.190	52.36
	5/24/78	6.190	43.61
	9/21/78	6.190	45.77

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9985	47.91	650
.9985	49.11	
.9995	49.68	
.9990	49.36	
.9990	48.86	
.9985	48.70	
		764
.9975	44.77	
.9965	44.43	
.9975	46.77	
.9975	47.11	
.9970	47.47	
.9985	48.04	
.9985	48.87	
.9980	48.41	
.9980	48.66	
.9985	48.70	
.9970	46.72	
.9985	49.62	
.9975	46.52	
.9980	47.82	
.9990	44.88	728
.9980	41.40	
.9995	42.76	
.9985	42.43	
.9985	47.76	
.9980	50.90	
.9980	42.15	
.9995	45.41	

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
MF- 29	5/10/79	6.190	43.86
OKF- 1	4/29/77	33.164	38.50
	6/ 2/77	33.164	47.66
	6/30/77	33.164	41.91
	7/25/77	33.164	40.83
	8/29/77	33.164	42.33
	9/26/77	33.164	43.83
	10/26/77	33.164	42.58
	11/29/77	33.164	43.16
	12/29/77	33.164	44.16
	1/30/78	33.164	44.00
	3/28/78	33.164	44.33
	5/22/78	33.164	42.00
	9/19/78	33.164	44.58
OKF- 2	4/29/77	28.740	37.24
	6/ 2/77	28.740	37.74
	6/30/77	28.740	40.82
	7/25/77	28.740	40.32
	8/29/77	28.740	42.24
	9/26/77	28.740	43.41
	10/26/77	28.740	41.24
	11/29/77	28.740	41.66
	12/29/77	28.740	43.82
	1/30/78	28.740	43.32
	3/28/78	28.740	42.91
	5/22/78	28.740	40.16
	9/19/78	28.740	43.32
	5/ 8/79	28.740	37.16
PBF- 1	9/30/77	14.900	46.73
	10/27/77	14.900	46.90
	12/ 5/77	14.900	39.48

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9980	42.40	728
.9965	36.83	475
.9975	46.48	
.9975	40.73	
.9990	40.36	
.9970	40.91	
.9960	41.93	
.9985	41.87	
.9985	42.45	
.9975	42.98	
.9975	42.81	
.9990	43.86	
.9970	40.57	
.9970	43.16	
.9965	35.88	390
.9965	39.46	
.9985	39.74	
.9980	41.46	
.9965	42.04	
.9985	40.65	
.9980	40.88	
.9975	42.85	
.9985	42.74	
.9985	42.32	
.9970	38.99	
.9960	41.76	
.9980	36.38	
.9980	44.98	875
.9985	45.59	
.9990	38.61	

TABLE 3. POTENTIOMETRIC LEVEL

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
PBF- 1	12/28/77	14.900	47.65
	2/ 3/78	14.900	47.82
	5/25/78	14.900	47.23
	9/22/78	14.900	47.82
	5/10/79	14.900	47.23
	9/18/79	14.900	47.23
SLF- 3	1/28/77	25.530	36.78
	2/28/77	25.530	38.16
	3/28/77	25.530	35.53
	4/26/77	25.530	33.36
	6/ 3/77	25.530	36.86
	7/ 1/77	25.530	37.36
	7/28/77	25.530	37.95
	8/31/77	25.530	39.16
	9/27/77	25.530	40.28
	10/26/77	25.530	39.53
	12/ 1/77	25.530	39.95
	12/27/77	25.530	40.70
	2/ 1/78	25.530	40.45
	3/30/78	25.530	41.95
	5/23/78	25.530	36.45
	9/20/78	25.530	40.61
	5/ 7/79	25.530	36.95
	9/17/79	25.530	39.53
SLF- 4	1/27/77	27.528	39.53
	2/28/77	27.528	39.32
	3/28/77	27.528	37.44
	4/26/77	27.528	37.53
	6/ 2/77	27.528	38.61
	6/29/77	27.528	41.11
	7/27/77	27.528	38.69

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9990	46.78	875
1.0000	36.78	490
.9985	37.42	
.9980	34.55	
.9985	32.63	
.9965	35.65	
.9980	36.97	
.9970	37.69	
.9965	38.57	
.9990	39.04	
.9990	39.46	
.9980	39.72	
.9990	39.96	
.9970	40.48	
.9990	35.96	
.9960	38.65	
.9990	36.46	
.9990	39.04	490
.9975	38.09	
.9980	36.46	
.9980	36.55	
.9975	39.89	
.9980	37.71	

TABLE 3. POTENTIOMETRIC LEVEL

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 4	8/31/77	27.528	40.03
	9/26/77	27.528	41.03
	10/24/77	27.528	38.19
	12/ 1/77	27.528	40.53
	12/27/77	27.528	41.28
	1/30/78	27.528	41.03
	3/30/78	27.528	40.78
	5/23/78	27.528	38.69
	9/19/78	27.528	41.61
	5/ 7/79	27.528	38.11
SLF- 7	1/27/77	24.907	39.82
	2/28/77	24.907	39.82
	3/28/77	24.907	37.91
	4/26/77	24.907	35.91
	5/31/77	24.907	36.16
	6/29/77	24.907	39.66
	7/28/77	24.907	39.37
	8/31/77	24.907	40.82
	9/26/77	24.907	41.57
	10/24/77	24.907	39.57
	12/ 1/77	24.907	41.07
	12/27/77	24.907	41.57
	1/30/78	24.907	41.74
	3/30/78	24.907	41.41
	5/23/78	24.907	39.57
	9/19/78	24.907	42.57
	9/17/79	24.907	41.57
SLF- 9	1/28/77	25.565	39.48
	3/ 1/77	25.565	39.61
	3/29/77	25.565	37.57
	4/29/77	25.565	34.73

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9980	39.05	490
.9965	39.31	
.9985	37.46	
.9995	40.28	
.9980	40.30	
.9980	40.05	
.9975	39.55	
.9965	36.98	
.9970	40.14	
.9980	37.13	
		460
.9975	38.67	
.9980	36.99	
.9980	34.99	
.9965	34.55	
.9970	38.28	
.9980	38.45	
.9970	39.44	
.9960	39.73	
.9980	38.65	
.9995	40.84	
.9980	40.65	
.9980	40.82	
.9980	40.49	
.9985	38.88	
.9960	40.73	
		470
.9985	38.90	
.9985	36.86	
.9985	34.03	

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 9	5/31/77	25.565	35.27
	6/30/77	25.565	38.90
	7/25/77	25.565	37.65
	9/26/77	25.565	40.57
	10/24/77	25.565	38.40
	11/29/77	25.565	40.23
	12/29/77	25.565	41.40
	1/30/78	25.565	40.90
	3/28/78	25.565	40.23
	5/22/78	25.565	38.90
	9/19/78	25.565	42.32
	5/ 8/79	25.565	39.23
	9/17/79	25.565	41.07
SLF- 11	1/27/77	25.990	40.74
	2/28/77	25.990	40.07
	3/28/77	25.990	38.49
	4/28/77	25.990	36.57
	5/31/77	25.990	36.16
	6/29/77	25.990	39.99
	7/25/77	25.990	37.91
	8/31/77	25.990	40.99
	9/27/77	25.990	41.66
	10/26/77	25.990	39.99
	11/29/77	25.990	41.07
	12/29/77	25.990	42.32
	1/30/78	25.990	41.91
	3/28/78	25.990	41.82
	5/23/78	25.990	39.49
	9/20/78	25.990	42.57
	5/ 8/79	25.990	39.49
	9/17/79	25.990	41.49

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9975	34.10	470
.9980	37.96	
.9985	36.94	
.9980	39.62	
.9990	37.93	
.9990	39.76	
.9990	40.93	
.9980	39.96	
.9985	39.53	
.9985	38.19	
.9975	41.14	
.9995	39.00	
		420
.9980	39.23	
.9975	35.52	
.9970	34.90	
.9975	38.94	
.9985	37.28	
.9980	40.15	
.9975	40.61	
.9980	39.15	
.9990	40.65	
.9975	41.27	
.9980	41.07	
.9990	41.40	
.9985	38.86	
.9970	41.31	
.9975	38.44	

TABLE 3. POTENTIOMETRIC LEVEL DATA BY STATION (CONT D)

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)	SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
SLF- 13	1/28/77	27.333	41.83			520
	3/ 1/77	27.333	41.08	.9990	40.56	
	3/29/77	27.333	39.83	.9985	39.05	
	4/29/77	27.333	37.17	.9985	36.39	
	6/ 2/77	27.333	38.00			
	6/30/77	27.333	40.67	.9985	39.89	
	7/25/77	27.333	39.42	.9985	38.64	
	8/29/77	27.333	41.25	.9980	40.21	
	9/26/77	27.333	42.58	.9970	41.02	
	10/24/77	27.333	40.67	.9985	39.89	
	11/29/77	27.333	41.83	.9990	41.31	
	12/29/77	27.333	43.08	.9980	42.04	
	1/30/78	27.333	42.00	.9980	40.96	
	3/28/78	27.333	42.33	.9985	41.55	
	5/22/78	27.333	40.67	.9975	39.37	
	9/19/78	27.333	43.75	.9975	42.45	
	5/ 8/79	27.333	40.92	.9980	39.88	
SLF- 14	1/28/77	26.324	40.45			600
	3/ 1/77	26.324	40.24	.9970	38.44	
	3/29/77	26.324	38.45	.9975	36.95	
	4/27/77	26.324	35.24	.9980	34.04	
	6/ 1/77	26.324	37.45	.9980	36.25	
	6/28/77	26.324	40.07	.9975	38.57	
	7/26/77	26.324	38.82	.9985	37.92	
	9/ 1/77	26.324	41.07	.9975	39.57	
	9/27/77	26.324	41.82	.9975	40.32	
	10/26/77	26.324	40.49	.9990	39.89	
	12/ 1/77	26.324	41.66	.9980	40.46	
	12/27/77	26.324	42.32	.9980	41.12	
	2/ 1/78	26.324	42.32	.9985	41.42	
	3/30/78	26.324	42.74	.9980	41.54	

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 14	5/23/78	26.324	40.24
	9/20/78	26.324	42.99
	5/ 9/79	26.324	39.74
	9/13/79	26.324	41.57
SLF- 17	1/28/77	26.376	41.88
	3/ 1/77	26.376	42.79
	3/29/77	26.376	40.79
	4/27/77	26.376	35.71
	6/ 1/77	26.376	39.71
	6/28/77	26.376	42.13
	7/26/77	26.376	41.21
	9/ 1/77	26.376	43.63
	9/27/77	26.376	44.29
	10/26/77	26.376	42.79
	12/ 1/77	26.376	43.88
	12/27/77	26.376	44.63
	2/ 1/78	26.376	42.38
	3/30/78	26.376	43.63
	5/23/78	26.376	43.46
	9/20/78	26.376	45.54
	5/ 9/79	26.376	42.38
	9/13/79	26.376	44.29
SLF- 18	1/28/77	27.127	42.71
	3/30/77	27.127	43.34
	4/27/77	27.127	40.63
	6/ 1/77	27.127	42.63
	6/28/77	27.127	44.04
	7/26/77	27.127	43.09
	8/31/77	27.127	45.88
	9/30/77	27.127	45.88
	10/27/77	27.127	45.21

DATA OF STATION "COUNT 07

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9980	39.04	600
.9985	42.09	
.9965	37.64	
		630
.9975	41.22	
.9980	39.53	
.9985	34.76	
.9975	38.13	
.9970	40.24	
.9980	39.95	
.9970	41.74	
.9970	42.40	
.9985	41.85	
.9985	42.93	
.9985	43.68	
.9980	41.12	
.9990	43.00	
.9975	41.88	
.9980	44.28	
		600
.9980	42.14	
.9980	39.43	
.9965	40.53	
.9975	42.54	
.9980	41.89	
.9980	44.68	
.9980	44.68	
.9980	44.01	

TABLE 3. POTENTIOMETRIC LEVEL

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 18	12/ 1/77	27.127	46.29
	12/28/77	27.127	46.63
	2/ 1/78	27.127	46.54
	3/30/78	27.127	45.54
	5/23/78	27.127	45.29
	9/20/78	27.127	47.96
SLF- 20	1/28/77	29.688	42.77
	3/ 1/77	29.688	42.90
	3/29/77	29.688	41.94
	4/29/77	29.688	38.35
	5/31/77	29.688	39.56
	6/30/77	29.688	42.69
	7/25/77	29.688	41.27
	8/29/77	29.688	42.52
	9/26/77	29.688	44.27
	10/24/77	29.688	42.60
	11/29/77	29.688	43.60
	12/27/77	29.688	44.52
	1/30/78	29.688	44.60
	3/28/78	29.688	44.44
	5/22/78	29.688	41.52
	9/19/78	29.688	45.02
	5/ 8/79	29.688	41.85
	9/17/79	29.688	43.60
SLF- 21	1/27/77	21.650	33.94
	2/28/77	21.650	33.61
	3/29/77	21.650	30.94
	4/26/77	21.650	29.65
	6/ 3/77	21.650	34.53
	6/29/77	21.650	34.98
	7/28/77	21.650	35.48

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9985	45.39	600
.9980	45.43	
.9985	45.64	
.9985	44.64	
.9985	44.39	
.9980	46.76	
		500
.9965	41.15	
.9975	40.69	
.9970	36.85	
.9980	38.56	
.9970	41.19	
.9990	40.77	
.9980	41.52	
.9960	42.27	
.9980	41.60	
.9985	42.85	
.9975	43.27	
.9975	43.35	
.9975	43.19	
.9980	40.52	
.9965	43.27	
.9980	40.85	
.9990	33.43	514
.9999	33.56	
.9985	30.17	
.9990	29.14	
.9960	32.93	
.9980	34.46	

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 21	8/30/77	21.650	36.40
	9/27/77	21.650	37.73
	10/24/77	21.650	34.48
	12/28/77	21.650	37.90
	1/31/78	21.650	37.15
	3/28/78	21.650	34.98
	5/22/78	21.650	34.65
	9/19/78	21.650	37.90
	5/ 7/79	21.650	34.65
	9/17/79	21.650	38.15
SLF- 23	2/28/77	32.370	50.33
	3/30/77	32.370	48.62
	4/27/77	32.370	46.62
	6/ 1/77	32.370	46.95
	6/28/77	32.370	49.20
	7/26/77	32.370	49.04
	9/ 1/77	32.370	49.29
	9/30/77	32.370	50.29
	10/27/77	32.370	49.45
	12/ 5/77	32.370	50.29
	12/29/77	32.370	50.62
	2/ 1/78	32.370	50.37
	3/31/78	32.370	51.95
	5/24/78	32.370	49.29
	9/21/78	32.370	51.20
	5/10/79	32.370	48.12
	9/13/79	32.370	49.45
SLF- 25	3/28/77	7.520	33.35
	4/28/77	7.520	28.69
	6/ 3/77	7.520	31.10
	7/ 1/77	7.520	33.10

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9975	35.11	514
.9970	36.19	
.9980	33.46	
.9970	36.36	
.9980	36.12	
.9980	33.96	
.9985	33.88	
.9960	35.84	
.9900	29.51	
		620
.9980	47.38	
.9970	44.76	
.9960	44.47	
.9970	47.34	
.9980	47.80	
.9980	48.05	
.9975	48.74	
.9980	48.21	
.9980	49.05	
.9975	49.07	
.9990	49.75	
.9980	50.71	
.9980	48.05	
.9975	49.65	
.9980	46.88	
.9995	33.06	583
.9990	28.10	
.9980	31.94	

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 25	7/28/77	7.520	32.60
	8/30/77	7.520	31.27
	9/29/77	7.520	33.44
	10/25/77	7.520	35.02
	3/29/78	7.520	28.77
SLF- 26	3/30/77	18.130	33.55
	4/28/77	18.130	32.05
	6/ 3/77	18.130	32.80
	7/ 1/77	18.130	34.96
	7/27/77	18.130	34.63
	8/30/77	18.130	35.05
	9/29/77	18.130	36.30
	10/25/77	18.130	33.71
	11/28/77	18.130	35.63
	12/28/77	18.130	33.55
	1/31/78	18.130	36.88
	3/29/78	18.130	36.05
	5/25/78	18.130	30.63
	9/21/78	18.130	28.96
	5/ 9/79	18.130	30.80
SLF- 27	4/28/77	25.780	33.16
	6/ 1/77	25.780	35.95
	6/29/77	25.780	38.11
	7/27/77	25.780	38.78
	8/31/77	25.780	39.95
	9/27/77	25.780	40.78
	10/26/77	25.780	39.28
	11/29/77	25.780	40.45
	12/27/77	25.780	41.20
	2/ 1/78	25.780	40.78
	3/30/78	25.780	39.03

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9990	32.02	583
.9990	30.69	
.9980	33.85	
.9995	28.48	
.9995	33.29	520
.9985	31.27	
.9970	31.24	
.9985	34.18	
.9985	33.85	
.9985	34.27	
.9985	35.52	
.9990	33.19	
.9990	35.11	
.9990	33.03	
.9980	35.84	
.9990	35.53	
.9985	29.85	
.9980	27.92	
.9980	29.76	
.9980	32.11	520
.9970	36.55	
.9980	37.74	
.9980	38.91	
.9970	39.22	
.9990	38.76	
.9985	39.67	
.9975	39.90	
.9985	40.00	
.9980	37.99	

TABLE 3. POTENTIOMETRIC LEVEL

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 27	5/22/78	25.780	38.20
	9/20/78	25.780	41.61
	5/ 7/79	25.780	38.36
	9/17/79	25.780	40.45
SLF- 28	4/28/77	31.383	35.97
	6/ 3/77	31.383	36.72
	7/ 1/77	31.383	39.05
	7/27/77	31.383	38.63
	8/30/77	31.383	39.63
	9/29/77	31.383	40.97
	10/25/77	31.383	39.63
	11/28/77	31.383	40.05
	12/28/77	31.383	42.47
	1/31/78	31.383	40.97
	3/29/78	31.383	41.38
	5/25/78	31.383	39.30
	9/21/78	31.383	41.55
	5/ 9/79	31.383	38.72
	9/18/79	31.383	40.55
SLF- 31	9/29/77	23.206	44.58
	10/25/77	23.206	43.62
	11/28/77	23.206	44.89
	12/30/77	23.206	45.87
	1/31/78	23.206	46.37
	3/29/78	23.206	45.62
	5/24/78	23.206	45.54
	9/20/78	23.206	47.37
	5/ 9/79	23.206	44.21
	9/17/79	23.206	45.21
SLF- 32	9/29/77	26.436	44.85
	10/25/77	26.436	41.60

DATA BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9980	37.16	520
.9980	40.57	
.9970	36.80	
.9985	35.17	530
.9985	38.25	
.9985	37.84	
.9980	38.57	
.9980	39.91	
.9985	38.84	
.9985	39.25	
.9985	41.67	
.9985	40.17	
.9985	40.59	
.9980	38.24	
.9980	40.49	
.9985	37.92	
.9980	43.30	640
.9985	42.66	
.9995	44.57	
.9995	45.55	
.9985	45.41	
.9990	44.98	
.9990	44.90	
.9990	46.73	
.9975	42.61	
.9980	43.65	601
.9980	40.40	

TABLE 3. POTENTIOMETRIC LEVEL DATA

SFWMD WELL NUMBER	DATE OF MEASUREMENT (MM/DD/YY)	MEASURING POINT ELEVATION (FEET MSL)	HEAD (FEET MSL)
SLF- 32	11/28/77	26.436	39.27
	12/30/77	26.436	41.44
	1/31/78	26.436	39.52
	3/29/78	26.436	38.19
	9/20/78	26.436	43.94

BY STATION (CONT D)

SPECIFIC GRAVITY (UNITS)	HEAD CORRECTED TO SPECIFIC GRAVITY OF 1.000	HEIGHT OF WATER COLUMN (FEET)
.9990	38.67	601
.9990	40.84	
.9990	38.92	
.9990	37.59	
.9990	43.34	

TABLE 4

WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES
COLLECTED UNDER NATURAL DISCHARGE CONDITIONS

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SA

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
MF-1	9/ 1/77	3800.	33.0	7.2
	9/30/77	3980.	32.8	-0
	10/27/77	4200.	33.0	-0
	12/ 5/77	3910.	32.6	7.3
	12/30/77	4060.	30.8	7.3
	2/ 2/78	4210.	32.4	7.4
	3/31/78	4240.	32.6	7.5
	9/21/78	-0	32.7	7.3
MEAN		4057.	32.5	7.3
STANDARD DEVIATION		168.79	.71	.10
NUMBER OF VALUES		7	8	6
MF-2	9/ 1/77	3480.	29.4	7.3
	9/30/77	3630.	29.2	-0
	10/27/77	3640.	29.2	-0
	12/ 5/77	3620.	28.0	7.5
	12/30/77	3640.	28.2	7.5
	2/ 2/78	3690.	28.0	7.5
	3/31/78	3900.	28.0	7.4
	5/24/78	3170.	29.8	7.7
	9/21/78	-0	29.0	7.4
	5/10/79	3910.	29.7	7.6
MEAN		3631.	28.9	7.5
STANDARD DEVIATION		220.59	.73	.12
NUMBER OF VALUES		9	10	8
MF-6	9/ 2/77	1340.	27.7	7.9
	9/30/77	1360.	27.4	-0
	10/27/77	1510.	27.5	-0

MPLES COLLECTED UNDER NATURAL DISCHARGE CONDITIONS

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
590.	18.0	110.	93.
540.	17.0	120.	92.
680.	12.0	120.	94.
620.	20.0	120.	100.
570.	18.0	120.	130.
540.	18.0	120.	91.
550.	17.0	120.	95.
520.	16.0	120.	76.
576.	17.0	119.	96.
52.63	2.33	3.54	15.24
8	8	8	8
550.	18.0	110.	90.
540.	18.0	120.	86.
640.	15.0	110.	94.
680.	23.0	110.	80.
540.	17.0	110.	110.
540.	17.0	110.	87.
490.	17.0	120.	89.
530.	17.0	110.	83.
470.	16.0	110.	69.
670.	-0	120.	87.
565.	17.6	113.	88.
72.92	2.24	4.83	10.43
10	9	10	10
200.	8.8	43.	17.
200.	8.5	47.	53.
250.	11.0	42.	59.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
MF-1	9/ 1/77	1190.	130.	147.
	9/30/77	1110.	220.	-0
	10/27/77	1080.	220.	144.
	12/ 5/77	1080.	220.	149.
	12/30/77	1150.	220.	144.
	2/ 2/78	1070.	220.	147.
	3/31/78	1030.	210.	-0
	9/21/78	1200.	230.	-0
MEAN		1114.	209.	146.
STANDARD DEVIATION		60.70	32.27	2.17
NUMBER OF VALUES		8	8	5
MF-2	9/ 1/77	1040.	150.	141.
	9/30/77	1040.	230.	-0
	10/27/77	990.	220.	142.
	12/ 5/77	1440.	220.	144.
	12/30/77	1060.	220.	146.
	2/ 2/78	1020.	230.	147.
	3/31/78	980.	230.	-0
	5/24/78	1100.	230.	151.
	9/21/78	1110.	230.	157.
	5/10/79	1050.	240.	-0
MEAN		1083.	220.	147.
STANDARD DEVIATION		132.08	25.39	5.58
NUMBER OF VALUES		10	10	7
MF-6	9/ 2/77	290.	170.	143.
	9/30/77	320.	210.	-0
	10/27/77	280.	210.	144.

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
19.0	.02	2640.
20.0	-0	2280.
10.0	-0	2770.
19.0	-0	2560.
19.0	-0	2480.
19.0	-0	2570.
21.0	-0	2360.
18.0	-0	2420.
18.1	.02	2510.
3.40	1.41	158.11
8	1	8
21.0	.02	2550.
20.0	-0	2190.
11.0	-0	2530.
19.0	-0	2420.
20.0	-0	2300.
20.0	-0	2450.
22.0	-0	2240.
18.0	-0	2480.
18.0	-0	2200.
15.0	.37	2340.
18.4	.19	2370.
3.24	.25	134.58
10	2	10
13.0	.02	950.
13.0	-0	860.
6.8	-0	1040.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLE

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
MF-6	12/ 5/77	1570.	27.2	7.7
	12/29/77	1580.	25.2	7.8
	2/ 2/78	1670.	27.3	8.0
	3/31/78	1820.	27.3	7.9
	5/24/78	1330.	27.2	7.9
	9/21/78	-0	27.2	7.6
	5/10/79	1820.	27.2	7.8
MEAN		1511.	27.1	7.8
STANDARD DEVIATION		133.27	.69	.13
NUMBER OF VALUES		9	10	8
MF-10	9/28/77	4150.	28.3	-0
	10/25/77	3020.	25.4	-0
	11/28/77	3990.	25.0	7.6
	12/30/77	3890.	25.2	7.4
	1/31/78	4010.	26.2	7.4
	3/29/78	4040.	26.2	7.6
	5/24/78	3350.	26.2	-0
	9/21/78	2930.	26.2	7.4
	5/ 9/79	4270.	26.3	7.5
MEAN		3739.	25.9	7.5
STANDARD DEVIATION		502.93	.53	.10
NUMBER OF VALUES		9	9	6
MF-23	1/28/77	-0	27.6	-0
	3/ 2/77	-0	27.4	7.8
	3/31/77	-0	25.7	7.7
	4/27/77	-0	27.5	7.8
	6/ 1/77	-0	27.5	7.7

S COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
220.	11.0	45.	48.
220.	11.0	42.	65.
210.	11.0	43.	49.
200.	10.0	43.	48.
230.	12.0	42.	49.
210.	11.0	44.	51.
-0	-0	45.	58.
216.	10.5	44.	50.
16.67	1.15	1.65	12.82
9	9	10	10
640.	24.0	110.	95.
490.	14.0	87.	83.
680.	25.0	110.	110.
640.	22.0	110.	120.
610.	22.0	100.	91.
630.	20.0	110.	90.
630.	23.0	110.	99.
550.	18.0	110.	74.
700.	-0	110.	110.
619.	21.0	106.	97.
64.12	3.59	7.97	14.51
9	8	9	9
210.	12.0	74.	55.
210.	13.0	71.	52.
230.	15.0	79.	53.
190.	14.0	74.	49.
210.	7.9	64.	54.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
MF-6	12/ 5/77	330.	220.	149.
	12/29/77	340.	220.	-0
	2/ 2/78	330.	230.	149.
	3/31/78	330.	220.	-0
	5/24/78	370.	230.	158.
	9/21/78	310.	230.	140.
	5/10/79	320.	240.	-0
MEAN		322.	218.	147.
STANDARD DEVIATION		25.30	19.32	6.37
NUMBER OF VALUES		10	10	6
MF-10	9/28/77	1190.	240.	-0
	10/25/77	810.	240.	160.
	11/28/77	1230.	240.	162.
	12/30/77	1180.	250.	165.
	1/31/78	1090.	260.	164.
	3/29/78	1050.	260.	163.
	5/24/78	1140.	260.	163.
	9/21/78	1190.	260.	161.
	5/ 9/79	1140.	250.	-0
MEAN		1113.	251.	163.
STANDARD DEVIATION		126.39	9.28	1.72
NUMBER OF VALUES		9	9	7
MF-23	1/28/77	-0	-0	-0
	3/ 2/77	-0	230.	-0
	3/31/77	400.	220.	-0
	4/27/77	410.	140.	128.
	6/ 1/77	380.	-0	122.

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
12.0	-0	1010.
11.0	-0	1020.
12.0	-0	1020.
13.0	-0	1030.
10.0	-0	1040.
11.0	-0	1040.
6.7	.10	1000.
10.8	.06	1001.
2.38	.06	56.46
10	2	10
8.9	-0	2530.
7.6	-0	2280.
9.3	-0	2750.
8.9	-0	2570.
8.6	-0	2420.
9.1	-0	2430.
9.1	-0	2570.
8.8	-0	2460.
5.6	.32	2500.
8.4	.32	2501.
1.17	1.41	129.66
9	1	9
-0	-0	-0
-0	-0	-0
-0	-0	1240.
-0	-0	1130.
-0	-0	1160.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLE

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
MF-23	6/30/77	-0	27.7	7.4
	7/26/77	-0	-0	7.7
	9/ 2/77	1780.	27.4	7.6
	9/28/77	1550.	-0	-0
	10/27/77	1570.	27.3	-0
	12/ 5/77	1600.	26.1	7.8
	12/30/77	1680.	27.0	7.7
	2/ 2/78	1730.	27.1	7.7
	3/31/78	1600.	27.3	7.8
	5/24/78	1480.	27.0	7.4
	7/21/78	1580.	27.3	-0
	7/24/78	1400.	28.0	-0
	9/21/78	1360.	27.3	7.5
	5/ 9/79	2050.	27.1	7.6
MEAN		1615.	27.2	7.7
STANDARD DEVIATION		183.72	.55	.14
NUMBER OF VALUES		12	17	14
MF-29	8/30/77	2600.	-0	7.9
	9/29/77	2620.	-0	-0
	10/25/77	2560.	-0	-0
	11/28/77	2630.	-0	8.2
	12/28/77	3050.	24.3	7.7
	1/31/78	2930.	26.0	7.4
	3/29/78	2660.	-0	7.6
	5/24/78	2670.	-0	7.5
	9/21/78	2360.	-0	7.5
	5/10/79	3020.	28.8	7.5
MEAN		2710.	26.4	7.7
STANDARD DEVIATION		220.05	2.27	.27
NUMBER OF VALUES		10	3	8

S COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
210.	10.0	66.	49.
210.	9.3	67.	58.
220.	11.0	63.	60.
220.	11.0	69.	54.
-0	9.6	66.	67.
230.	9.2	66.	46.
210.	9.1	66.	79.
210.	9.6	65.	56.
210.	9.2	65.	57.
220.	9.5	68.	54.
190.	9.7	34.	52.
190.	9.4	33.	53.
190.	9.0	68.	45.
280.	2.0	73.	69.
213.	10.0	65.	56.
20.86	2.68	11.76	8.24
18	19	19	19
410.	17.0	66.	64.
450.	15.0	77.	70.
400.	15.0	64.	100.
470.	19.0	68.	73.
400.	17.0	74.	92.
400.	17.0	75.	70.
410.	16.0	80.	66.
450.	18.0	77.	80.
390.	17.0	77.	56.
470.	19.0	78.	81.
425.	17.0	74.	75.
31.36	1.41	5.56	13.30
10	10	10	10

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
MF-23	6/30/77	410.	210.	130.
	7/26/77	420.	190.	137.
	9/ 2/77	420.	180.	131.
	9/28/77	370.	210.	-0
	10/27/77	340.	210.	132.
	12/ 5/77	390.	210.	133.
	12/30/77	410.	200.	136.
	2/ 2/78	400.	210.	133.
	3/31/78	390.	200.	-0
	5/24/78	420.	210.	144.
	7/21/78	420.	200.	-0
	7/24/78	400.	210.	-0
	9/21/78	340.	210.	128.
	5/ 9/79	440.	230.	-0
MEAN		398.	204.	132.
STANDARD DEVIATION		27.51	20.63	5.69
NUMBER OF VALUES		17	17	11
MF-29	8/30/77	680.	140.	176.
	9/29/77	760.	200.	-0
	10/25/77	680.	180.	161.
	11/28/77	780.	180.	162.
	12/28/77	760.	190.	177.
	1/31/78	740.	200.	180.
	3/29/78	800.	190.	170.
	5/24/78	790.	180.	176.
	9/21/78	690.	200.	173.
	5/10/79	750.	210.	-0
MEAN		743.	187.	172.
STANDARD DEVIATION		44.98	19.47	7.04
NUMBER OF VALUES		10	10	8

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	1170.
5.1	.09	1160.
13.0	.02	-0
13.0	-0	990.
12.0	-0	1170.
12.0	-0	1130.
13.0	-0	1110.
12.0	-0	1150.
12.0	-0	1080.
11.0	-0	1130.
-0	-0	-0
-0	-0	-0
12.0	-0	1110.
7.2	.19	1220.
11.1	.10	1139.
2.57	.09	60.32
11	3	14
5.1	.02	1650.
5.4	-0	1550.
5.3	-0	1860.
5.5	-0	1760.
5.6	-0	1790.
5.5	-0	1750.
6.0	-0	1720.
5.9	-0	1790.
5.5	-0	1730.
3.1	.10	1760.
5.3	.06	1736.
.81	.06	84.88
10	2	10

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATE

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)
DKF-1	4/29/77	-0	26.7
	6/ 2/77	-0	26.6
	6/30/77	-0	26.8
	7/25/77	-0	26.4
	8/29/77	830.	26.9
	9/26/77	788.	26.6
	10/26/77	848.	26.8
	11/29/77	830.	25.8
	12/29/77	1010.	-0
	1/30/78	1020.	26.6
	3/28/78	960.	26.4
	5/22/78	859.	-0
	9/19/78	790.	26.7
	5/ 8/79	950.	25.1
MEAN		889.	26.5
STANDARD DEVIATION		88.26	.51
NUMBER OF VALUES		10	12
DKF-2	4/29/77	-0	26.2
	6/ 2/77	-0	26.1
	6/30/77	-0	26.3
	7/25/77	-0	25.8
	8/29/77	1100.	26.6
	9/26/77	1360.	26.4
	10/26/77	920.	26.2
	11/29/77	934.	25.2
	12/29/77	1730.	26.0
	1/30/78	1680.	26.0
	3/28/78	1010.	25.6

R SAMPLES COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

PH (UNITS)	DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
7.9	89.	8.3	41.	30.
7.8	60.	4.3	37.	32.
7.6	98.	6.8	36.	33.
7.8	90.	6.5	38.	33.
7.7	90.	6.4	38.	33.
-0	86.	6.1	40.	33.
-0	87.	6.5	37.	33.
7.8	91.	7.0	41.	32.
7.7	83.	6.6	38.	47.
7.2	91.	6.4	42.	34.
7.5	96.	6.6	41.	35.
7.3	91.	6.4	40.	35.
7.3	99.	6.3	41.	34.
7.6	92.	6.9	44.	34.
7.6	90.	6.5	40.	34.
.23	5.28	.82	2.28	3.92
12	14	14	14	14
7.9	100.	8.3	46.	33.
7.8	90.	5.2	42.	35.
7.8	95.	7.0	39.	41.
7.7	97.	6.9	42.	40.
7.7	180.	7.5	78.	57.
-0	180.	7.3	72.	55.
-0	96.	6.9	40.	41.
8.1	96.	7.6	43.	39.
7.4	160.	7.2	67.	68.
7.1	160.	7.2	66.	48.
7.6	98.	7.2	42.	42.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
OKF-1	4/29/77	100.	130.	159.
	6/ 2/77	-0	-0	155.
	6/30/77	110.	120.	159.
	7/25/77	100.	120.	160.
	8/29/77	110.	100.	161.
	9/26/77	110.	120.	-0
	10/26/77	110.	120.	167.
	11/29/77	120.	124.	166.
	12/29/77	130.	130.	165.
	1/30/78	-0	120.	164.
	3/28/78	120.	120.	170.
	5/22/78	120.	120.	158.
	9/19/78	130.	130.	150.
	5/ 8/79	130.	150.	-0
MEAN		116.	123.	161.
STANDARD DEVIATION		10.84	11.06	5.57
NUMBER OF VALUES		12	13	12
OKF-2	4/29/77	140.	110.	170.
	6/ 2/77	-0	-0	169.
	6/30/77	150.	110.	158.
	7/25/77	140.	110.	178.
	8/29/77	360.	150.	136.
	9/26/77	290.	170.	-0
	10/26/77	150.	110.	181.
	11/29/77	150.	110.	180.
	12/29/77	330.	170.	151.
	1/30/78	260.	170.	151.
	3/28/78	140.	110.	185.

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	520.
-0	-0	560.
-0	-0	540.
2.5	.08	-0
8.2	.02	530.
9.0	-0	440.
8.1	-0	570.
8.6	-0	540.
8.3	-0	550.
8.2	-0	550.
9.0	-0	560.
9.0	-0	580.
9.1	-0	580.
4.4	.02	590.
7.7	.04	547.
2.16	.03	38.16
11	3	13
-0	-0	630.
-0	-0	650.
-0	-0	590.
2.9	.08	-0
15.0	.02	1100.
14.0	-0	860.
9.8	-0	670.
10.0	-0	600.
13.0	-0	1000.
13.0	-0	940.
10.0	-0	600.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
OKF-2	5/22/78	874.	25.7	7.6
	9/19/78	880.	25.8	7.4
	5/ 8/79	1080.	25.7	7.8
MEAN		1157.	26.0	7.7
STANDARD DEVIATION		322.59	.37	.26
NUMBER OF VALUES		10	14	12
PBF-1	10/ 5/77	4780.	25.2	-0
	10/27/77	4290.	-0	-0
	12/ 5/77	4370.	25.9	7.5
	12/28/77	4240.	28.0	8.2
	9/22/78	3490.	26.8	7.6
MEAN		4234.	27.0	7.8
STANDARD DEVIATION		467.26	1.70	.38
NUMBER OF VALUES		5	4	3
SLF-3	1/28/77	-0	28.0	-0
	2/28/77	-0	27.3	7.6
	3/28/77	-0	28.1	7.4
	4/26/77	-0	26.4	7.4
	6/ 3/77	-0	28.5	7.4
	7/ 1/77	-0	28.7	7.5
	7/27/77	-0	28.0	7.4
	8/31/77	2500.	28.5	7.3
	9/27/77	2510.	28.2	-0
	10/26/77	2480.	28.6	-0
	12/ 1/77	2560.	27.9	7.3
	12/27/77	3060.	27.7	7.4
	2/ 1/78	2570.	24.3	7.3

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
93.	7.2	41.	40.
100.	7.2	45.	39.
100.	7.6	43.	42.
118.	7.2	50.	44.
35.01	.67	13.71	9.57
14	14	14	14
750.	-0	110.	110.
840.	-0	100.	120.
740.	29.0	110.	95.
720.	27.0	74.	120.
680.	24.0	92.	88.
746.	26.7	97.	107.
58.99	2.52	15.01	14.59
5	3	5	5
330.	18.0	94.	63.
340.	17.0	97.	71.
310.	17.0	110.	64.
290.	16.0	97.	61.
350.	11.0	91.	70.
310.	11.0	90.	63.
330.	11.0	100.	77.
350.	11.0	95.	73.
340.	11.0	98.	79.
300.	11.0	90.	71.
-0	11.0	100.	130.
350.	11.0	97.	130.
320.	11.0	78.	67.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
OKF-2	5/22/78	150.	110.	177.
	9/19/78	170.	130.	160.
	5/ 8/79	170.	130.	-0
MEAN		200.	130.	166.
STANDARD DEVIATION		80.00	25.82	15.14
NUMBER OF VALUES		13	13	12
PBF-1	10/ 5/77	1360.	300.	-0
	10/27/77	1330.	300.	168.
	12/ 5/77	1380.	300.	172.
	12/28/77	1380.	270.	126.
	9/22/78	1410.	270.	139.
MEAN		1372.	288.	151.
STANDARD DEVIATION		29.50	16.43	22.35
NUMBER OF VALUES		5	5	4
SLF-3	1/28/77	750.	-0	-0
	2/28/77	780.	150.	-0
	3/28/77	780.	190.	-0
	4/26/77	690.	150.	148.
	6/ 3/77	-0	-0	148.
	7/ 1/77	680.	150.	142.
	7/27/77	740.	130.	147.
	8/31/77	750.	130.	152.
	9/27/77	700.	140.	-0
	10/26/77	650.	71.	147.
	12/ 1/77	760.	150.	154.
	12/27/77	720.	150.	156.
	2/ 1/78	690.	130.	135.

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
10.0	-0	600.
10.0	-0	670.
5.2	.09	660.
10.3	.06	736.
3.63	.04	175.38
11	3	13
7.1	-0	2920.
7.0	-0	3270.
6.8	-0	3180.
6.4	-0	3010.
6.7	-0	2890.
6.8	0	3054.
.27	0	165.32
5	0	5
-0	-0	-0
-0	-0	-0
-0	-0	1800.
-0	-0	-0
-0	-0	1770.
-0	-0	1590.
6.5	.10	1740.
11.0	.02	1990.
11.0	-0	1470.
12.0	-0	1710.
12.0	-0	1770.
12.0	-0	1850.
11.0	-0	1520.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLE

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-3	3/30/78	2710.	27.4	7.6
	5/23/78	2190.	26.0	7.3
	9/20/78	2130.	28.3	7.3
	5/ 7/79	-0	26.2	7.3
MEAN		2523.	27.5	7.4
STANDARD DEVIATION		272.67	1.18	.11
NUMBER OF VALUES		9	17	14
SLF-4	1/27/77	-0	-0	-0
	2/28/77	-0	27.8	7.4
	3/28/77	-0	-0	7.5
	4/26/77	-0	-0	7.3
	6/ 2/77	-0	27.8	7.4
	6/29/77	-0	28.1	7.5
	7/28/77	-0	28.0	7.2
	8/31/77	2830.	28.0	7.3
	9/26/77	2800.	27.8	-0
	10/24/77	2700.	28.1	7.7
	12/ 1/77	2350.	26.8	7.4
	12/27/77	3510.	27.6	7.4
	1/30/78	3270.	27.6	7.2
	3/30/78	2640.	25.9	7.4
	5/23/78	2540.	28.2	7.4
	7/24/78	2960.	27.8	-0
	7/24/78	2410.	28.0	-0
	9/19/78	2330.	27.8	7.3
	5/ 7/79	3270.	28.2	7.2
MEAN		2801.	27.7	7.4
STANDARD DEVIATION		387.43	.59	.13
NUMBER OF VALUES		12	16	15

S COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
340.	11.0	100.	66.
370.	12.0	95.	80.
330.	11.0	100.	56.
380.	12.0	74.	75.
334.	12.5	94.	76.
24.19	2.60	8.43	21.27
16	17	17	17
380.	15.0	110.	69.
320.	15.0	95.	66.
350.	22.0	120.	70.
360.	16.0	110.	66.
400.	12.0	100.	75.
370.	12.0	100.	73.
410.	12.0	110.	82.
420.	12.0	100.	82.
390.	12.0	100.	74.
390.	10.0	100.	80.
470.	12.0	110.	140.
390.	12.0	100.	110.
380.	12.0	100.	74.
380.	12.0	110.	74.
400.	12.0	110.	83.
360.	10.0	71.	73.
340.	10.0	69.	71.
380.	12.0	110.	63.
380.	12.0	110.	78.
383.	12.7	102.	79.
32.12	2.75	12.83	17.83
19	19	19	19

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-3	3/30/78	690.	140.	157.
	5/23/78	680.	150.	151.
	9/20/78	770.	150.	144.
	5/ 7/79	790.	110.	-0
MEAN		726.	139.	148.
STANDARD DEVIATION		43.95	25.57	6.23
NUMBER OF VALUES		16	15	12
SLF-4	1/27/77	840.	-0	-0
	2/28/77	750.	150.	-0
	3/28/77	900.	180.	-0
	4/26/77	790.	160.	148.
	6/ 2/77	-0	-0	145.
	6/29/77	810.	150.	144.
	7/28/77	860.	130.	148.
	8/31/77	-0	130.	176.
	9/26/77	770.	150.	-0
	10/24/77	710.	140.	149.
	12/ 1/77	950.	150.	151.
	12/27/77	820.	150.	152.
	1/30/78	800.	150.	154.
	3/30/78	740.	140.	155.
	5/23/78	840.	150.	151.
	7/24/78	890.	150.	-0
	7/24/78	820.	140.	-0
	9/19/78	900.	150.	155.
	5/ 7/79	920.	150.	-0
MEAN		830.	148.	152.
STANDARD DEVIATION		67.36	11.31	8.27
NUMBER OF VALUES		17	17	12

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
15.0	-0	1490.
11.0	-0	1680.
12.0	-0	1720.
7.5	1.10	1700.
11.0	.41	1700.
2.29	.60	144.22
11	3	14
-0	-0	-0
-0	-0	-0
-0	-0	2440.
-0	-0	1860.
-0	-0	1930.
-0	-0	1950.
7.4	.10	1880.
13.0	.04	2020.
13.0	-0	1670.
4.8	-0	2180.
12.0	-0	1900.
13.0	-0	1980.
12.0	-0	1890.
16.0	-0	1780.
11.0	-0	1970.
-0	-0	-0
-0	-0	-0
13.0	-0	1980.
9.3	.52	1970.
11.3	.22	1960.
3.10	.26	174.40
11	3	15

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLE

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-5	1/27/77	-0	26.4	-0
	2/28/77	-0	27.2	7.5
	3/29/77	-0	26.8	7.5
	4/26/77	-0	25.0	7.5
	6/ 3/77	-0	27.4	7.4
	6/29/77	-0	27.1	7.4
	7/27/77	-0	27.0	7.4
MEAN		0	26.7	7.5
STANDARD DEVIATION		0	.81	.05
NUMBER OF VALUES		0	7	6
SLF-7	1/27/77	-0	27.5	-0
	2/28/77	-0	27.7	7.4
	3/28/77	-0	27.1	7.5
	4/26/77	-0	-0	7.4
	5/31/77	-0	28.3	7.7
	6/29/77	-0	27.9	7.5
	7/27/77	-0	27.3	7.6
	8/31/77	1800.	27.8	7.4
	9/26/77	1890.	27.6	-0
	10/24/77	1740.	27.4	7.7
	12/ 1/77	1820.	27.3	7.3
	12/27/77	2430.	27.3	7.6
	1/30/78	2380.	27.6	7.2
	3/30/78	1650.	27.8	7.5
	5/23/78	1550.	-0	7.4
	9/19/78	1480.	26.8	7.6
	5/ 7/79	-0	25.6	7.2
MEAN		1860.	27.4	7.5
STANDARD DEVIATION		335.48	.61	.16
NUMBER OF VALUES		9	15	15

S COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
270.	15.0	74.	53.
310.	16.0	81.	63.
250.	15.0	86.	59.
240.	15.0	71.	47.
330.	12.0	83.	68.
240.	10.0	70.	54.
310.	11.0	81.	66.
279.	13.4	78.	59.
37.61	2.37	6.27	7.63
7	7	7	7
220.	11.0	76.	48.
220.	12.0	78.	53.
200.	12.0	81.	48.
200.	11.0	76.	46.
200.	7.0	74.	50.
250.	9.0	76.	51.
240.	8.9	80.	53.
260.	7.9	75.	60.
260.	9.8	79.	57.
240.	8.5	74.	56.
260.	8.6	82.	100.
240.	8.2	77.	88.
250.	8.7	78.	54.
260.	8.5	83.	55.
260.	8.7	79.	62.
200.	8.1	82.	45.
240.	8.9	80.	54.
235.	9.2	78.	58.
23.75	1.44	2.84	14.59
17	17	17	17

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-5	1/27/77	570.	-0	-0
	2/28/77	700.	150.	-0
	3/29/77	520.	160.	-0
	4/26/77	470.	160.	159.
	6/ 3/77	-0	-0	151.
	6/29/77	510.	140.	154.
	7/27/77	610.	130.	156.
MEAN		563.	148.	155.
STANDARD DEVIATION		82.87	13.04	3.37
NUMBER OF VALUES		6	5	4
SLF-7	1/27/77	480.	-0	-0
	2/28/77	510.	140.	-0
	3/28/77	440.	160.	-0
	4/26/77	420.	150.	166.
	5/31/77	430.	-0	156.
	6/29/77	480.	130.	155.
	7/27/77	480.	120.	161.
	8/31/77	490.	110.	162.
	9/26/77	470.	130.	-0
	10/24/77	390.	120.	172.
	12/ 1/77	470.	130.	164.
	12/27/77	480.	130.	170.
	1/30/78	510.	130.	166.
	3/30/78	470.	120.	164.
	5/23/78	-0	120.	168.
	9/19/78	520.	140.	-0
	5/ 7/79	520.	130.	-0
MEAN		473.	131.	164.
STANDARD DEVIATION		36.79	12.80	5.31
NUMBER OF VALUES		16	15	11

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	-0
-0	-0	-0
-0	-0	1300.
-0	-0	1270.
-0	-0	1640.
-0	-0	1290.
5.0	.08	1490.
5.0	.08	1398.
1.41	1.41	161.77
1	1	5
-0	-0	-0
-0	-0	-0
-0	-0	1180.
-0	-0	1140.
-0	-0	1240.
-0	-0	1310.
5.4	.10	-0
11.0	.02	1250.
11.0	-0	1050.
11.0	-0	1320.
11.0	-0	1200.
11.0	-0	1300.
12.0	-0	1270.
14.0	-0	1160.
9.2	-0	1190.
11.0	-0	1270.
6.9	.24	1200.
10.3	.12	1220.
2.37	.11	74.94
11	3	14

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-9	1/28/77	-0	27.1	-0
	3/ 1/77	-0	27.3	7.5
	3/29/77	-0	27.2	7.4
	4/29/77	-0	27.3	7.5
	5/30/77	-0	27.3	7.7
	6/28/77	-0	27.5	7.3
	7/25/77	-0	27.1	7.4
	8/29/77	3320.	27.2	7.5
	9/26/77	3530.	26.9	-0
	10/24/77	3900.	27.4	7.6
	11/29/77	3940.	26.0	7.4
	12/29/77	4520.	26.7	7.2
	1/30/78	4880.	26.0	7.2
	3/28/78	4010.	26.8	7.2
	5/22/78	3810.	26.5	7.5
	9/19/78	2960.	26.7	7.4
	5/ 8/79	4360.	26.6	7.3
MEAN		3923.	26.9	7.4
STANDARD DEVIATION		570.56	.45	.15
NUMBER OF VALUES		10	17	15
SLF-11	1/27/77	-0	-0	-0
	2/28/78	-0	27.2	7.6
	3/28/77	-0	27.3	7.5
	4/28/77	-0	27.7	7.5
	5/31/77	-0	27.8	7.6
	6/29/77	-0	27.7	7.4
	7/25/77	-0	27.6	7.4
	8/31/77	2220.	27.7	7.3

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
610.	23.0	130.	82.
540.	23.0	120.	88.
540.	32.0	150.	90.
580.	23.0	140.	85.
570.	17.0	140.	98.
600.	17.0	140.	97.
630.	17.0	140.	98.
440.	12.0	120.	85.
730.	16.0	140.	96.
670.	12.0	130.	96.
640.	21.0	140.	110.
580.	15.0	130.	130.
480.	16.0	140.	99.
550.	14.0	130.	93.
670.	17.0	120.	120.
950.	15.0	140.	79.
600.	16.0	140.	110.
611.	18.0	135.	97.
112.16	5.01	8.74	13.56
17	17	17	17
230.	13.0	85.	52.
290.	13.0	100.	62.
290.	16.0	120.	65.
290.	12.0	110.	59.
310.	8.8	100.	68.
280.	10.0	96.	63.
350.	10.0	110.	72.
310.	8.9	96.	67.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-9	1/28/77	1200.	-0	-0
	3/ 1/77	1260.	230.	-0
	3/29/77	1230.	240.	-0
	4/29/77	1140.	230.	141.
	5/30/77	1200.	190.	139.
	6/28/77	1240.	220.	139.
	7/25/77	1180.	200.	136.
	8/29/77	870.	190.	127.
	9/26/77	1110.	230.	-0
	10/24/77	1100.	220.	164.
	11/29/77	1210.	220.	156.
	12/29/77	1230.	210.	147.
	1/30/78	1210.	220.	154.
	3/28/78	1050.	220.	152.
	5/22/78	-0	140.	147.
	9/19/78	1220.	220.	145.
	5/ 8/79	1200.	230.	-0
MEAN		1166.	213.	146.
STANDARD DEVIATION		97.36	24.14	10.04
NUMBER OF VALUES		16	16	12
SLF-11	1/27/77	540.	-0	-0
	2/28/78	660.	180.	-0
	3/28/77	730.	200.	-0
	4/28/77	670.	190.	140.
	5/31/77	640.	150.	141.
	6/29/77	630.	190.	143.
	7/25/77	720.	180.	143.
	8/31/77	640.	140.	147.

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	-0
-0	-0	-0
-0	-0	2680.
-0	-0	2720.
-0	-0	2820.
-0	-0	2200.
15.0	.11	2710.
16.0	.02	-0
26.0	-0	2480.
13.0	-0	2820.
33.0	-0	2650.
24.0	-0	2670.
18.0	-0	2740.
27.0	-0	2590.
24.0	-0	2710.
28.0	-0	2660.
27.0	.18	2600.
22.8	.10	2646.
6.37	.08	156.09
11	3	14
-0	-0	-0
-0	-0	-0
-0	-0	1650.
-0	-0	1530.
-0	-0	1720.
-0	-0	1580.
8.9	.10	1750.
16.0	.02	1640.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-11	9/27/77	2070.	27.4	-0
	10/26/77	2400.	27.9	-0
	11/29/77	1260.	26.3	7.4
	12/29/77	2110.	26.7	7.5
	1/30/78	2650.	26.5	7.1
	3/28/78	2070.	-0	7.9
	5/23/78	2150.	27.5	7.4
	9/20/78	1740.	27.0	7.2
	5/ 8/79	2130.	27.5	7.6
MEAN		2080.	27.3	7.5
STANDARD DEVIATION		371.69	.49	.19
NUMBER OF VALUES		10	15	14
SLF-13	1/28/77	-0	28.3	-0
	3/ 1/77	-0	28.5	7.6
	3/ 1/77	-0	30.5	7.3
	3/29/77	-0	28.5	7.3
	4/29/77	-0	28.8	7.4
	6/ 2/77	-0	28.8	7.5
	6/30/77	-0	28.9	7.1
	7/25/77	-0	28.5	7.4
	8/29/77	3880.	27.5	7.3
	9/26/77	4560.	27.8	-0
	10/24/77	4990.	28.5	7.4
	11/29/77	5010.	28.2	7.3
	12/29/77	5410.	28.5	7.3
	1/30/78	5670.	27.9	7.0
	3/28/78	5140.	26.8	7.2
	5/22/78	4680.	29.0	7.6

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
270.	9.4	88.	59.
300.	9.7	100.	68.
350.	9.0	100.	90.
250.	8.1	87.	74.
280.	9.2	96.	62.
270.	8.1	92.	61.
360.	11.0	110.	80.
260.	9.0	92.	48.
280.	8.2	84.	76.
292.	10.2	98.	66.
35.45	2.16	10.01	10.20
17	17	17	17
410.	16.0	130.	73.
650.	28.0	150.	110.
460.	21.0	120.	81.
660.	31.0	140.	110.
640.	26.0	180.	100.
710.	16.0	170.	110.
710.	17.0	180.	110.
700.	16.0	190.	120.
640.	16.0	140.	100.
-0	17.0	180.	120.
740.	14.0	80.	120.
850.	20.0	270.	120.
680.	16.0	170.	110.
650.	16.0	200.	110.
680.	15.0	190.	120.
670.	18.0	160.	140.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-11	9/27/77	490.	150.	-0
	10/26/77	560.	180.	146.
	11/29/77	630.	170.	142.
	12/29/77	530.	150.	154.
	1/30/78	620.	170.	149.
	3/28/78	570.	160.	155.
	5/23/78	690.	190.	140.
	9/20/78	590.	180.	154.
	5/ 8/79	550.	140.	-0
MEAN		615.	170.	146.
STANDARD DEVIATION		68.48	19.32	5.64
NUMBER OF VALUES		17	16	12
SLF-13	1/28/77	990.	-0	-0
	3/ 1/77	1490.	260.	-0
	3/ 1/77	1130.	210.	-0
	3/29/77	1460.	320.	-0
	4/29/77	1420.	240.	120.
	6/ 2/77	1450.	-0	126.
	6/30/77	1470.	-0	122.
	7/25/77	1490.	280.	128.
	8/29/77	1210.	190.	147.
	9/26/77	1410.	310.	-0
	10/24/77	1430.	320.	126.
	11/29/77	1520.	310.	133.
	12/29/77	1480.	310.	129.
	1/30/78	1380.	310.	127.
	3/28/78	1340.	400.	130.
	5/22/78	1480.	440.	137.

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
14.0	-0	1120.
9.2	-0	1770.
17.0	-0	1560.
13.0	-0	1380.
16.0	-0	1500.
15.0	-0	1380.
17.0	-0	930.
14.0	-0	1420.
8.6	.60	1190.
13.5	.24	1475.
3.22	.31	243.16
11	3	15
-0	-0	-0
-0	-0	-0
-0	-0	-0
-0	-0	3380.
-0	-0	3160.
-0	-0	3190.
-0	-0	3470.
17.0	.08	3200.
28.0	.02	2810.
30.0	-0	3160.
14.0	-0	3520.
30.0	-0	3340.
29.0	-0	3300.
21.0	-0	3370.
36.0	-0	3320.
27.0	-0	3300.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-13	9/19/78	4020.	28.9	7.5
	5/ 8/79	5460.	29.1	7.6
MEAN		4882.	28.5	7.4
STANDARD DEVIATION		598.14	.77	.17
NUMBER OF VALUES		10	18	16
SLF-14	1/28/77	-0	28.5	-0
	2/ 2/77	-0	-0	-0
	2/ 3/77	-0	-0	-0
	3/ 1/77	-0	28.3	7.5
	3/29/77	-0	-0	7.5
	4/27/77	-0	28.3	7.4
	6/ 1/77	-0	28.6	7.3
	6/28/77	-0	28.7	7.3
	7/26/77	-0	25.5	7.5
	9/ 1/77	2520.	28.6	7.4
	9/27/77	3060.	28.4	-0
	10/26/77	3280.	28.8	-0
	12/ 1/77	3200.	26.0	7.4
	12/27/77	3670.	26.9	7.4
	2/ 1/78	3450.	28.6	7.7
	3/30/78	3290.	28.3	7.5
	5/23/78	2920.	28.4	7.4
	9/20/78	2550.	28.2	7.4
	5/ 9/79	3430.	28.3	7.4
MEAN		3137.	28.0	7.4
STANDARD DEVIATION		379.18	.99	.10
NUMBER OF VALUES		10	16	14

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
590.	15.0	190.	99.
800.	18.0	230.	140.
661.	18.7	171.	111.
105.47	4.84	42.35	16.84
17	18	18	18
540.	20.0	120.	74.
430.	17.0	120.	72.
470.	19.0	120.	78.
450.	18.0	130.	75.
450.	24.0	140.	73.
410.	22.0	110.	65.
450.	12.0	130.	82.
470.	13.0	130.	76.
460.	12.0	130.	85.
490.	12.0	120.	80.
440.	13.0	120.	79.
460.	10.0	120.	84.
490.	11.0	130.	130.
440.	11.0	120.	100.
450.	13.0	120.	81.
490.	12.0	130.	82.
470.	12.0	130.	91.
420.	12.0	130.	65.
520.	14.0	130.	100.
463.	14.6	125.	83.
32.50	4.11	6.97	14.86
19	19	19	19

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-13	9/19/78	1510.	310.	132.
	5/ 8/79	1490.	340.	-0
MEAN		1397.	303.	130.
STANDARD DEVIATION		144.91	64.44	7.14
NUMBER OF VALUES		18	15	12
SLF-14	1/28/77	1000.	-0	-0
	2/ 2/77	1010.	-0	-0
	2/ 3/77	990.	-0	-0
	3/ 1/77	1040.	250.	-0
	3/29/77	1000.	250.	-0
	4/27/77	930.	200.	138.
	6/ 1/77	900.	-0	125.
	6/28/77	950.	240.	135.
	7/26/77	920.	210.	135.
	9/ 1/77	980.	190.	149.
	9/27/77	880.	230.	-0
	10/26/77	900.	250.	136.
	12/ 1/77	940.	240.	145.
	12/27/77	940.	230.	150.
	2/ 1/78	880.	240.	146.
	3/30/78	840.	230.	-0
	5/23/78	900.	230.	140.
	9/20/78	990.	230.	140.
	5/ 9/79	910.	250.	-0
MEAN		942.	231.	140.
STANDARD DEVIATION		53.81	18.46	7.33
NUMBER OF VALUES		19	15	11

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
31.0	-0	3370.
31.0	.13	3360.
26.7	.08	3283.
6.63	.06	168.25
11	3	15
-0	-0	-0
-0	-0	-0
-0	-0	-0
-0	-0	-0
-0	-0	2350.
-0	-0	2050.
-0	-0	2150.
-0	-0	2230.
14.0	.11	2380.
28.0	.02	2300.
29.0	-0	2210.
15.0	-0	2290.
24.0	-0	1990.
28.0	-0	2230.
26.0	-0	2190.
31.0	-0	2060.
23.0	-0	2110.
26.0	-0	2190.
21.0	.23	2100.
24.1	.12	2189.
5.52	.11	113.38
11	3	15

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-15	1/28/77	-0	26.5	-0
	2/ 2/77	-0	-0	-0
	3/ 1/77	-0	26.1	7.9
	3/29/77	-0	-0	7.6
	4/27/77	-0	26.9	7.6
	6/ 1/77	-0	26.9	7.6
MEAN		0	26.6	7.7
STANDARD DEVIATION		0	.38	.15
NUMBER OF VALUES		0	4	4
SLF-16	1/28/77	-0	28.8	-0
	3/ 1/77	-0	28.7	7.8
	3/29/77	-0	-0	7.5
	4/27/77	-0	29.2	7.4
	6/ 1/77	-0	28.9	7.4
	6/28/77	-0	29.0	7.3
	7/26/77	-0	25.6	7.5
MEAN		0	28.4	7.5
STANDARD DEVIATION		0	1.37	.17
NUMBER OF VALUES		0	6	6
SLF-17	1/28/77	-0	28.2	-0
	2/ 3/77	-0	-0	-0
	3/ 1/77	-0	28.6	7.6
	3/29/77	-0	26.9	7.5
	4/27/77	-0	27.8	7.5
	6/ 1/77	-0	28.9	7.4
	6/28/77	-0	29.2	7.4
	7/26/77	-0	26.3	7.5

S COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
620.	31.0	74.	69.
530.	31.0	61.	68.
560.	31.0	70.	67.
550.	32.0	83.	71.
570.	34.0	74.	65.
580.	22.0	77.	70.
568.	30.2	73.	68.
30.61	4.17	7.36	2.16
6	6	6	6
330.	14.0	110.	65.
350.	16.0	110.	66.
340.	22.0	120.	65.
340.	15.0	110.	65.
350.	9.8	110.	69.
350.	11.0	110.	64.
370.	10.0	110.	69.
347.	14.0	111.	66.
12.54	4.31	3.78	2.04
7	7	7	7
330.	15.0	110.	68.
340.	15.0	99.	61.
360.	15.0	100.	65.
320.	18.0	110.	67.
450.	26.0	94.	68.
350.	10.0	100.	69.
350.	11.0	100.	70.
370.	11.0	110.	75.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)	DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
SLF-15	1/28/77	1010.	-0	-0	-0	-0	-0
	2/ 2/77	970.	-0	-0	-0	-0	-0
	3/ 1/77	1030.	250.	-0	-0	-0	-0
	3/29/77	990.	300.	-0	-0	-0	2220.
	4/27/77	990.	250.	146.	-0	-0	2200.
	6/ 1/77	880.	-0	144.	-0	-0	2140.
MEAN		978.	267.	145.	0	0	2187.
STANDARD DEVIATION		52.31	28.87	1.41	0	0	41.63
NUMBER OF VALUES		6	3	2	0	0	3
SLF-16	1/28/77	790.	-0	-0	-0	-0	-0
	3/ 1/77	790.	230.	-0	-0	-0	-0
	3/29/77	820.	230.	-0	-0	-0	1850.
	4/27/77	840.	230.	136.	-0	-0	1940.
	6/ 1/77	700.	-0	131.	-0	-0	1830.
	6/28/77	720.	220.	139.	-0	-0	1730.
	7/26/77	740.	180.	136.	12.0	.10	1680.
MEAN		771.	218.	136.	12.0	.10	1806.
STANDARD DEVIATION		52.42	21.68	3.32	1.41	1.41	102.62
NUMBER OF VALUES		7	5	4	1	1	5
SLF-17	1/28/77	740.	-0	-0	-0	-0	-0
	2/ 3/77	740.	-0	-0	-0	-0	-0
	3/ 1/77	780.	230.	-0	-0	-0	-0
	3/29/77	760.	230.	-0	-0	-0	1790.
	4/27/77	960.	250.	145.	-0	-0	2090.
	6/ 1/77	680.	-0	131.	-0	-0	1820.
	6/28/77	690.	220.	145.	-0	-0	1650.
	7/26/77	760.	190.	141.	11.0	.11	1780.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-17	9/ 1/77	2700.	28.9	7.3
	9/27/77	2490.	28.6	-0
	10/26/77	2640.	28.9	-0
	12/ 1/77	2650.	27.9	7.5
	12/27/77	3130.	27.2	7.3
	2/ 1/78	2830.	28.5	7.8
	3/30/78	2560.	28.3	7.4
	5/23/78	2400.	28.6	7.5
	9/20/78	2090.	27.8	7.6
MEAN		2610.	28.2	7.5
STANDARD DEVIATION		287.40	.81	.13
NUMBER OF VALUES		9	16	13
SLF-18	1/28/77	-0	30.6	-0
	3/30/77	-0	30.7	7.5
	4/27/77	-0	30.8	7.4
	8/ 1/77	-0	31.1	7.4
	6/26/77	-0	31.1	7.4
	7/26/77	-0	26.7	7.6
	8/31/77	3180.	30.1	7.3
	9/30/77	3390.	30.4	-0
	10/27/77	3580.	31.0	-0
	12/ 1/77	3090.	30.0	7.5
	12/28/77	3950.	-0	7.3
	2/ 1/78	3640.	-0	7.7
	3/30/78	3340.	30.7	7.5
	5/23/78	3010.	30.7	7.5
	9/20/78	2480.	30.0	7.4
MEAN		3296.	30.3	7.5
STANDARD DEVIATION		424.41	1.15	.12
NUMBER OF VALUES		9	13	12

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
370.	11.0	100.	73.
380.	11.0	110.	70.
360.	11.0	91.	72.
420.	11.0	110.	68.
360.	10.0	99.	110.
350.	11.0	100.	70.
350.	11.0	100.	67.
380.	12.0	100.	78.
330.	10.0	100.	55.
363.	12.9	102.	71.
32.36	4.08	5.89	11.32
17	17	17	17
440.	19.0	110.	76.
460.	24.0	130.	81.
410.	22.0	110.	75.
460.	14.0	120.	82.
480.	16.0	110.	77.
470.	13.0	110.	81.
470.	14.0	100.	84.
480.	15.0	110.	83.
380.	10.0	99.	74.
510.	16.0	110.	87.
440.	14.0	100.	130.
470.	16.0	110.	84.
460.	14.0	110.	83.
510.	15.0	120.	92.
440.	14.0	110.	70.
459.	15.7	111.	84.
33.99	3.53	8.09	13.89
15	15	15	15

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-17	9/ 1/77	750.	120.	143.
	9/27/77	710.	210.	-0
	10/26/77	640.	210.	141.
	12/ 1/77	710.	210.	151.
	12/27/77	750.	200.	147.
	2/ 1/78	720.	210.	151.
	3/30/78	730.	200.	-0
	5/23/78	750.	210.	144.
	9/20/78	750.	160.	142.
MEAN		742.	204.	144.
STANDARD DEVIATION		65.91	31.77	5.48
NUMBER OF VALUES		17	14	11
SLF-18	1/28/77	790.	-0	-0
	3/30/77	1000.	220.	-0
	4/27/77	990.	210.	140.
	6/ 1/77	900.	-0	135.
	6/28/77	960.	200.	143.
	7/26/77	920.	160.	142.
	8/31/77	920.	170.	150.
	9/30/77	920.	200.	-0
	10/27/77	860.	190.	145.
	12/ 1/77	1270.	200.	152.
	12/28/77	930.	200.	146.
	2/ 1/78	920.	200.	155.
	3/30/78	860.	190.	-0
	5/23/78	980.	190.	145.
	9/20/78	1020.	200.	-0
MEAN		949.	195.	145.
STANDARD DEVIATION		107.14	15.61	5.89
NUMBER OF VALUES		15	13	10

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
25.0	.02	1910.
24.0	-0	1630.
13.0	-0	1830.
24.0	-0	1670.
26.0	-0	1860.
23.0	-0	1760.
27.0	-0	1600.
21.0	-0	1800.
22.0	-0	1820.
21.6	.07	1786.
5.38	.06	126.89
10	2	14
-0	-0	-0
-0	-0	2200.
-0	-0	2270.
-0	-0	2250.
-0	-0	2260.
9.7	.12	2190.
22.0	.02	2200.
20.0	-0	2270.
8.7	-0	2210.
20.0	-0	2110.
20.0	-0	2200.
19.0	-0	2220.
20.0	-0	1990.
16.0	-0	2260.
18.0	-0	2170.
17.3	.07	2200.
4.57	.07	75.04
10	2	14

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-20	1/28/77	-0	28.2	-0
	3/ 1/77	-0	27.9	7.5
	3/29/77	-0	28.1	7.4
	4/29/77	-0	28.4	7.6
	5/31/77	-0	28.8	7.6
	6/29/77	-0	28.8	7.7
	7/25/77	-0	28.1	7.4
	8/29/77	3610.	28.9	7.2
	9/26/77	3290.	28.6	-0
	10/24/77	2050.	28.4	7.8
	11/29/77	3230.	27.8	7.0
	12/27/77	3750.	-0	6.8
	1/30/78	4330.	28.5	7.0
	3/28/78	3550.	28.6	7.3
	5/22/78	2900.	27.0	7.4
	9/19/78	2760.	28.4	7.5
	5/ 8/79	3700.	27.0	7.5
MEAN		3317.	28.2	7.4
STANDARD DEVIATION		632.30	.57	.28
NUMBER OF VALUES		10	16	15
SLF-21	1/27/77	-0	24.8	-0
	2/28/77	-0	25.4	7.7
	3/29/77	-0	24.7	7.7
	4/26/77	-0	23.5	7.6
	6/ 3/77	-0	25.6	7.6
	6/30/77	-0	25.7	7.6
	7/27/77	-0	25.2	7.6
	8/30/77	1430.	25.8	7.6

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
250.	11.0	96.	60.
220.	11.0	92.	55.
210.	12.0	100.	90.
240.	12.0	100.	55.
460.	11.0	140.	95.
420.	12.0	120.	87.
450.	12.0	130.	92.
470.	12.0	140.	94.
440.	11.0	140.	91.
270.	7.8	90.	65.
460.	12.0	130.	120.
380.	10.0	120.	100.
440.	15.0	130.	110.
460.	11.0	130.	97.
440.	10.0	110.	99.
430.	11.0	130.	71.
480.	12.0	140.	97.
384.	11.3	120.	87.
100.00	1.44	18.13	19.06
17	17	17	17
170.	12.0	54.	42.
180.	14.0	52.	44.
170.	13.0	62.	43.
160.	15.0	50.	43.
180.	7.9	57.	42.
170.	10.0	51.	42.
190.	9.2	53.	47.
210.	11.0	53.	44.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-20	1/28/77	-0	-0	-0
	3/ 1/77	-0	210.	-0
	3/29/77	510.	220.	-0
	4/29/77	530.	200.	136.
	5/31/77	900.	220.	123.
	6/29/77	940.	60.	129.
	7/25/77	970.	250.	133.
	8/29/77	1010.	-0	134.
	9/26/77	950.	280.	-0
	10/24/77	440.	190.	143.
	11/29/77	930.	240.	135.
	12/27/77	870.	250.	137.
	1/30/78	950.	280.	137.
	3/28/78	830.	300.	136.
	5/22/78	840.	260.	135.
	9/19/78	960.	250.	132.
	5/ 8/79	950.	440.	-0
MEAN		839.	243.	134.
STANDARD DEVIATION		185.97	78.16	4.86
NUMBER OF VALUES		15	15	12
SLF-21	1/27/77	330.	-0	-0
	2/28/77	320.	150.	-0
	3/29/77	330.	180.	-0
	4/26/77	290.	-0	171.
	6/ 3/77	-0	-0	155.
	6/30/77	300.	140.	165.
	7/27/77	300.	140.	170.
	8/30/77	320.	130.	170.

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	-0
-0	-0	-0
-0	-0	-0
-0	-0	1420.
-0	-0	2430.
-0	-0	2140.
12.0	.11	-0
24.0	.02	2520.
27.0	-0	2020.
7.5	-0	1360.
29.0	-0	2170.
25.0	-0	2170.
18.0	-0	2380.
31.0	-0	2200.
20.0	-0	2150.
26.0	-0	2290.
23.0	.18	2230.
22.0	.10	2114.
7.18	.08	348.15
11	3	13
-0	-0	-0
-0	-0	-0
-0	-0	940.
-0	-0	970.
-0	-0	930.
-0	-0	920.
3.2	.08	940.
8.0	.02	960.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-21	9/27/77	1290.	25.5	-0
	10/24/77	1330.	25.3	7.8
	12/ 1/77	1300.	25.0	7.5
	12/20/77	1950.	22.5	7.3
	1/31/78	1720.	25.4	7.5
	3/28/78	1340.	24.9	7.4
	5/22/78	1210.	25.1	7.8
	9/19/78	1130.	25.4	7.3
	5/ 7/79	-0	25.1	7.4
MEAN		1411.	25.0	7.6
STANDARD DEVIATION		260.84	.83	.16
NUMBER OF VALUES		9	17	15
SLF-23	3/ 1/77	-0	31.8	7.4
	3/30/77	-0	32.0	7.4
	4/27/77	-0	32.2	7.7
	6/ 1/77	-0	32.2	7.4
	6/28/77	-0	29.0	7.2
	7/26/77	-0	-0	7.6
	9/ 1/77	4230.	32.3	7.4
	9/30/77	3830.	32.0	-0
	10/27/77	4480.	32.3	-0
	12/ 5/77	4300.	32.0	7.4
	12/29/77	4440.	31.8	7.4
	2/ 1/78	4660.	32.0	7.7
	3/31/78	4400.	32.0	7.4
	5/24/78	3720.	32.0	7.4
	7/24/78	2730.	32.3	-0
	7/24/78	3940.	32.2	-0

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
190.	11.0	51.	46.
180.	10.0	52.	44.
200.	9.2	53.	72.
180.	9.7	50.	-0
-0	10.0	53.	46.
210.	11.0	52.	49.
190.	9.3	50.	47.
170.	9.8	54.	45.
180.	10.0	54.	43.
183.	10.7	53.	46.
14.48	1.85	2.94	7.19
16	17	17	16
630.	27.0	130.	91.
590.	33.0	150.	91.
590.	28.0	130.	82.
640.	20.0	120.	92.
580.	20.0	130.	99.
600.	18.0	130.	97.
590.	17.0	120.	95.
580.	18.0	130.	93.
660.	13.0	110.	110.
650.	21.0	130.	95.
570.	18.0	120.	120.
610.	19.0	120.	95.
560.	18.0	130.	96.
650.	20.0	130.	100.
530.	16.0	72.	89.
520.	16.0	74.	87.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-21	9/27/77	280.	140.	-0
	10/24/77	260.	140.	125.
	12/ 1/77	300.	150.	175.
	12/28/77	310.	140.	172.
	1/31/78	290.	130.	173.
	3/28/78	310.	150.	181.
	5/22/78	310.	140.	170.
	9/19/78	320.	150.	163.
	5/ 7/79	290.	150.	-0
MEAN		304.	145.	166.
STANDARD DEVIATION		18.93	12.25	14.38
NUMBER OF VALUES		16	14	12
SLF-23	3/ 1/77	970.	230.	-0
	3/30/77	1180.	230.	-0
	4/27/77	1190.	220.	137.
	6/ 1/77	1180.	-0	135.
	6/28/77	1220.	210.	142.
	7/26/77	1210.	190.	146.
	9/ 1/77	1150.	180.	143.
	9/30/77	1170.	210.	-0
	10/27/77	1140.	210.	146.
	12/ 5/77	1170.	220.	153.
	12/29/77	1220.	210.	150.
	2/ 1/78	1210.	210.	151.
	3/31/78	1140.	140.	-0
	5/24/78	1170.	210.	145.
	7/24/78	1200.	210.	-0
	7/24/78	1210.	210.	-0

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
8.5	-0	840.
8.0	-0	1010.
8.0	-0	920.
7.8	-0	900.
7.6	-0	900.
8.4	-0	950.
8.4	-0	930.
8.2	-0	930.
4.3	.13	920.
7.3	.08	931.
1.80	.06	37.51
11	3	15
-0	-0	-0
-0	-0	2510.
-0	-0	2660.
-0	-0	2570.
-0	-0	2670.
8.2	.09	2580.
16.0	.02	2600.
16.0	-0	2460.
8.8	-0	2820.
16.0	-0	2560.
14.0	-0	2630.
15.0	-0	2690.
17.0	-0	2090.
14.0	-0	2640.
-0	-0	-0
-0	-0	-0

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-23	9/21/78	3230.	31.9	7.6
	5/10/79	4070.	32.0	7.8
MEAN		4003.	31.9	7.5
STANDARD DEVIATION		562.79	.76	.17
NUMBER OF VALUES		12	17	14
SLF-25	3/28/77	-0	24.3	7.5
	4/28/77	-0	24.5	7.8
	6/ 3/77	-0	24.3	7.7
	7/ 1/77	-0	24.1	8.0
	7/27/77	-0	24.0	7.8
	8/30/77	3870.	25.4	7.8
	9/29/77	4190.	24.3	-0
	10/25/77	3760.	26.1	-0
	11/28/77	4010.	22.5	7.8
	12/28/77	4410.	22.6	7.4
	1/31/78	4560.	24.3	7.5
	3/29/78	3990.	24.1	7.8
MEAN		4113.	24.2	7.7
STANDARD DEVIATION		289.64	.99	.19
NUMBER OF VALUES		7	12	10
SLF-26	3/30/77	-0	23.7	7.6
	4/28/77	-0	24.1	7.6
	6/ 3/77	-0	24.0	7.6
	7/ 1/77	-0	24.0	7.6
	7/28/77	-0	24.2	7.6
	8/30/77	3480.	24.2	7.8
	9/29/77	3510.	24.0	-0

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
530.	18.0	130.	75.
700.	22.0	75.	86.
599.	20.1	118.	94.
49.10	4.84	22.09	9.93
18	18	18	18
650.	52.0	97.	110.
600.	45.0	88.	100.
640.	31.0	81.	100.
560.	30.0	82.	100.
670.	30.0	84.	110.
710.	33.0	81.	110.
630.	28.0	84.	110.
760.	24.0	79.	120.
690.	34.0	81.	110.
-0	30.0	77.	110.
610.	31.0	80.	110.
660.	29.0	86.	110.
653.	33.1	83.	108.
55.15	7.76	5.26	5.77
11	12	12	12
560.	42.0	72.	73.
520.	31.0	67.	66.
640.	25.0	62.	75.
530.	22.0	63.	67.
600.	24.0	66.	78.
620.	23.0	61.	79.
590.	26.0	64.	75.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-23	9/21/78	1250.	210.	136.
	5/10/79	1140.	160.	-0
MEAN		1173.	204.	144.
STANDARD DEVIATION		59.71	23.70	6.12
NUMBER OF VALUES		18	17	11
SLF-25	3/28/77	1360.	250.	-0
	4/28/77	1210.	240.	139.
	6/ 3/77	1230.	-0	163.
	7/ 1/77	1200.	230.	135.
	7/27/77	1220.	200.	143.
	8/30/77	1210.	-0	143.
	9/29/77	1190.	230.	-0
	10/25/77	1190.	220.	141.
	11/28/77	1260.	230.	145.
	12/28/77	1240.	230.	145.
	1/31/78	1210.	230.	153.
	3/29/78	1130.	230.	162.
MEAN		1221.	229.	147.
STANDARD DEVIATION		54.18	12.87	9.43
NUMBER OF VALUES		12	10	10
SLF-26	3/30/77	970.	350.	-0
	4/28/77	910.	-0	188.
	6/ 3/77	900.	-0	192.
	7/ 1/77	890.	290.	180.
	7/28/77	970.	310.	191.
	8/30/77	920.	280.	195.
	9/29/77	900.	310.	-0

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
14.0	-0	2490.
14.0	.11	2340.
13.9	.07	2554.
2.87	.05	170.33
11	3	15
-0	-0	2780.
-0	-0	2800.
-0	-0	2650.
-0	-0	2610.
4.9	.12	2600.
14.0	.02	2750.
14.0	-0	2470.
4.6	-0	2940.
14.0	-0	-0
14.0	-0	2800.
13.0	-0	2710.
20.0	-0	2610.
12.3	.07	2702.
5.15	.07	129.68
8	2	11
-0	-0	2250.
-0	-0	2180.
-0	-0	2230.
-0	-0	2240.
5.7	.08	2200.
13.0	.02	2220.
13.0	-0	2110.

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-26	10/25/77	3070.	24.2	7.6
	11/28/77	3360.	23.9	7.7
	12/28/77	3740.	20.0	7.5
	1/31/78	3480.	23.8	7.8
	3/29/78	3290.	23.9	7.3
	5/25/78	2890.	23.8	7.6
	9/21/78	2620.	23.8	7.7
	12/20/78	-0	-0	-0
	5/ 9/79	3760.	23.8	7.7
MEAN		3320.	23.7	7.6
STANDARD DEVIATION		364.72	1.03	.13
NUMBER OF VALUES		10	15	14
SLF-27	4/28/77	-0	27.8	7.6
	6/ 1/77	-0	27.9	7.3
	6/30/77	-0	27.9	7.3
	7/28/77	-0	27.5	7.4
	8/31/77	-0	27.7	7.4
	9/27/77	2990.	27.5	-0
	10/26/77	3500.	27.7	-0
	11/29/77	3480.	26.8	7.2
	12/27/77	3510.	26.0	7.0
	2/ 1/78	3880.	27.6	7.5
	3/30/78	3280.	27.3	7.5
	5/22/78	3410.	26.1	7.5
	9/20/78	2680.	25.2	7.0
	5/ 7/79	3650.	26.0	7.0
MEAN		3376.	27.1	7.3
STANDARD DEVIATION		356.55	.89	.22
NUMBER OF VALUES		9	14	12

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
690.	21.0	61.	85.
660.	27.0	65.	81.
570.	23.0	60.	98.
610.	25.0	61.	75.
620.	24.0	67.	76.
570.	23.0	64.	71.
520.	21.0	65.	60.
-0	-0	-0	-0
640.	27.0	66.	91.
596.	25.6	64.	77.
51.24	5.23	3.15	9.62
15	15	15	15
410.	17.0	140.	82.
460.	12.0	130.	93.
430.	12.0	130.	84.
500.	13.0	140.	91.
560.	19.0	130.	95.
460.	13.0	130.	92.
490.	11.0	130.	100.
520.	12.0	140.	180.
460.	11.0	130.	130.
480.	13.0	130.	95.
460.	11.0	140.	89.
520.	13.0	140.	110.
480.	11.0	85.	71.
430.	10.0	130.	86.
476.	12.7	130.	100.
40.52	2.46	13.93	26.86
14	14	14	14

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-26	10/25/77	820.	300.	197.
	11/28/77	940.	320.	197.
	12/28/77	940.	340.	195.
	1/31/78	840.	340.	201.
	3/29/78	840.	300.	201.
	5/25/78	930.	320.	196.
	9/21/78	840.	320.	190.
	12/20/78	950.	-0	-0
	5/ 9/79	910.	360.	-0
MEAN		904.	318.	194.
STANDARD DEVIATION		47.61	23.75	5.88
NUMBER OF VALUES		16	13	12
SLF-27	4/28/77	1040.	170.	135.
	6/ 1/77	1090.	-0	135.
	6/30/77	1020.	150.	138.
	7/28/77	1140.	140.	142.
	8/31/77	1110.	140.	151.
	9/27/77	990.	160.	-0
	10/26/77	1040.	150.	141.
	11/29/77	1060.	160.	140.
	12/27/77	1060.	160.	149.
	2/ 1/78	1040.	160.	148.
	3/30/78	940.	140.	-0
	5/22/78	1070.	160.	168.
	9/20/78	1040.	120.	75.
	5/ 7/79	1070.	150.	-0
MEAN		1051.	151.	138.
STANDARD DEVIATION		49.06	13.20	23.03
NUMBER OF VALUES		14	13	11

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
7.2	-0	2260.
12.0	-0	2230.
12.0	-0	2200.
11.0	-0	2270.
15.0	-0	2270.
10.0	-0	2220.
12.0	-0	2280.
-0	-0	-0
7.2	.31	2260.
10.7	.14	2228.
2.90	.15	43.79
11	3	15
-0	-0	2310.
-0	-0	2550.
-0	-0	2490.
15.0	.10	2250.
26.0	.02	2700.
23.0	-0	2420.
13.0	-0	-0
25.0	-0	2400.
23.0	-0	2470.
23.0	-0	2360.
24.0	-0	2300.
21.0	-0	-0
19.0	-0	2100.
8.0	.17	2100.
20.0	.10	2371.
5.69	.08	175.26
11	3	12

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-28	4/28/77	-0	-0	7.8
	6/ 3/77	-0	24.4	8.2
	7/ 1/77	-0	24.3	7.4
	7/28/77	-0	24.5	7.7
	8/30/77	2720.	24.5	7.8
	9/29/77	2960.	24.4	-0
	10/25/77	2630.	24.6	-0
	11/28/77	2790.	23.8	7.8
	12/28/77	3110.	22.5	7.5
	1/31/77	3020.	24.2	7.5
	3/29/78	2790.	24.0	7.8
	5/25/78	2710.	24.1	7.5
	9/21/78	2110.	24.2	7.5
	5/ 9/79	3050.	24.1	7.5
MEAN		2789.	24.1	7.7
STANDARD DEVIATION		288.88	.54	.23
NUMBER OF VALUES		10	13	12
SLF-31	9/29/77	3470.	27.8	-0
	10/25/77	3270.	28.2	7.2
	11/28/77	3350.	27.9	7.4
	12/30/77	3660.	-0	7.4
	1/31/78	3830.	27.8	7.3
	3/29/78	3790.	28.0	7.5
	5/24/78	3480.	27.8	7.4
	9/20/78	2520.	27.9	7.6
	5/ 9/79	3670.	27.7	7.4
MEAN		3449.	27.9	7.4
STANDARD DEVIATION		397.03	.16	.12
NUMBER OF VALUES		9	8	8

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
410.	31.0	75.	70.
430.	23.0	67.	71.
370.	20.0	70.	71.
460.	20.0	71.	80.
430.	19.0	67.	78.
440.	19.0	70.	70.
440.	17.0	64.	81.
480.	22.0	71.	73.
430.	19.0	66.	96.
420.	20.0	67.	74.
460.	21.0	72.	76.
490.	23.0	68.	80.
410.	19.0	70.	58.
490.	24.0	70.	94.
440.	21.2	69.	77.
33.74	3.42	2.82	9.76
14	14	14	14
540.	18.0	110.	86.
500.	14.0	100.	90.
570.	20.0	110.	90.
490.	16.0	110.	110.
490.	17.0	110.	84.
500.	16.0	110.	84.
480.	16.0	110.	85.
460.	16.0	110.	68.
580.	20.0	110.	100.
512.	17.0	109.	89.
41.47	2.00	3.33	11.61
9	9	9	9

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-28	4/26/77	880.	170.	175.
	6/ 3/77	820.	-0	143.
	7/ 1/77	760.	190.	166.
	7/28/77	790.	160.	172.
	8/30/77	790.	160.	167.
	9/29/77	770.	190.	-0
	10/25/77	690.	170.	175.
	11/28/77	810.	190.	201.
	12/28/77	800.	190.	179.
	1/31/77	780.	190.	182.
	3/29/78	740.	160.	181.
	5/25/78	830.	160.	176.
	9/21/78	720.	200.	173.
	5/ 9/79	770.	210.	-0
MEAN		782.	180.	174.
STANDARD DEVIATION		47.58	17.32	13.32
NUMBER OF VALUES		14	13	12
SLF-31	9/29/77	980.	190.	-0
	10/25/77	960.	170.	148.
	11/28/77	1040.	180.	151.
	12/30/77	1020.	170.	165.
	1/31/78	950.	170.	157.
	3/29/78	920.	170.	166.
	5/24/78	1040.	170.	150.
	9/20/78	1040.	190.	151.
	5/ 9/79	970.	180.	-0
MEAN		991.	177.	155.
STANDARD DEVIATION		45.12	8.66	7.41
NUMBER OF VALUES		9	9	7

UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	1880.
-0	-0	1920.
-0	-0	1860.
4.7	.08	1780.
9.9	.02	1880.
11.0	-0	1810.
11.0	-0	1870.
11.0	-0	-0
10.0	-0	1830.
9.6	-0	1810.
11.0	-0	1840.
9.7	-0	1860.
10.0	-0	1760.
5.9	.23	1800.
9.4	.11	1838.
2.14	.11	45.43
11	3	13
11.0	-0	2190.
9.8	-0	2380.
11.0	-0	2300.
10.0	-0	2290.
9.3	-0	2170.
11.0	-0	2180.
10.0	-0	2250.
9.8	-0	2180.
6.6	.15	2090.
9.8	.15	2226.
1.36	1.41	87.34
9	1	9

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-32	9/29/77	4230.	30.5	-0
	10/25/77	4050.	30.7	-0
	11/28/77	4060.	30.5	7.4
	12/30/77	4640.	28.8	7.4
	1/31/78	4570.	30.5	7.3
	3/29/78	4520.	28.0	7.5
	5/24/78	3920.	30.4	7.4
	9/20/78	3230.	28.0	7.5
MEAN		4153.	29.7	7.4
STANDARD DEVIATION		459.37	1.19	.08
NUMBER OF VALUES		8	8	6
SLF-34	1/27/77	-0	27.4	-0
	2/28/77	-0	27.3	7.3
	3/28/77	-0	-0	7.5
	4/26/77	-0	-0	7.4
	6/ 2/77	-0	27.5	7.4
MEAN		0	27.4	7.4
STANDARD DEVIATION		0	.10	.08
NUMBER OF VALUES		0	3	4
SLF-35	1/27/77	-0	28.8	-0
	2/28/77	-0	28.7	7.6
	3/28/77	-0	29.1	7.5
	4/26/77	-0	27.2	7.4
	6/ 2/77	-0	29.2	7.4
	6/29/77	-0	29.3	7.5
	7/28/77	-0	28.8	7.4
MEAN		0	28.7	7.5
STANDARD DEVIATION		0	.71	.08
NUMBER OF VALUES		0	7	6

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
660.	25.0	120.	97.
790.	18.0	120.	-0
660.	23.0	130.	98.
440.	21.0	120.	120.
540.	20.0	110.	88.
620.	20.0	130.	94.
650.	24.0	120.	120.
560.	20.0	130.	78.
615.	21.4	123.	99.
103.65	2.39	7.07	15.67
8	8	8	7
320.	15.0	98.	69.
350.	17.0	110.	72.
300.	18.0	110.	59.
300.	15.0	98.	58.
310.	9.8	91.	65.
316.	15.0	101.	65.
20.74	3.16	8.35	6.11
5	5	5	5
390.	17.0	110.	73.
400.	17.0	110.	76.
520.	28.0	160.	87.
450.	23.0	140.	85.
520.	15.0	150.	97.
430.	14.0	120.	84.
450.	14.0	130.	90.
451.	18.3	131.	85.
52.10	5.28	19.52	8.14
7	7	7	7

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-32	9/29/77	1250.	220.	-0
	10/25/77	1190.	220.	151.
	11/28/77	1290.	220.	152.
	12/30/77	1280.	210.	157.
	1/31/78	1090.	200.	154.
	3/29/78	1170.	220.	160.
	5/24/78	1260.	220.	146.
	9/20/78	1300.	220.	150.
MEAN		1229.	216.	153.
STANDARD DEVIATION		72.79	7.44	4.63
NUMBER OF VALUES		8	8	7
SLF-34	1/27/77	730.	-0	-0
	2/28/77	900.	160.	-0
	3/28/77	740.	170.	-0
	4/26/77	700.	160.	146.
	6/ 2/77	-0	-0	147.
MEAN		768.	163.	147.
STANDARD DEVIATION		89.95	5.77	.71
NUMBER OF VALUES		4	3	2
SLF-35	1/27/77	880.	-0	-0
	2/28/77	920.	150.	-0
	3/28/77	1180.	190.	-0
	4/26/77	1160.	160.	138.
	6/ 2/77	1180.	-0	138.
	6/29/77	1010.	160.	181.
	7/28/77	1010.	140.	-0
MEAN		1049.	160.	152.
STANDARD DEVIATION		125.75	18.71	24.83
NUMBER OF VALUES		7	5	3

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
12.0	-0	2510.
11.0	-0	2940.
12.0	-0	2790.
12.0	-0	2790.
10.0	-0	2430.
12.0	-0	2590.
10.0	-0	-0
11.0	-0	2620.
11.3	0	2667.
.89	0	179.70
8	0	7
-0	-0	-0
-0	-0	-0
-0	-0	1650.
-0	-0	1560.
-0	-0	1660.
0	0	1623.
0	0	55.08
0	0	3
-0	-0	-0
-0	-0	-0
-0	-0	2650.
-0	-0	2480.
-0	-0	2660.
-0	-0	2120.
9.6	.11	2260.
9.6	.11	2434.
1.41	1.41	239.12
1	1	5

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES

SFWMD WELL NO.	DATE MM/DD/YY	SPECIFIC CONDUCTANCE (MICRONHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)
SLF-36	1/27/77	-0	27.9	-0
	2/28/77	-0	28.1	7.4
	3/28/77	-0	28.0	7.5
	4/26/77	-0	-0	7.3
	5/31/77	-0	28.3	7.7
	6/29/77	-0	28.4	7.5
	7/27/77	-0	27.9	7.6
MEAN		0	28.1	7.5
STANDARD DEVIATION		0	.21	.14
NUMBER OF VALUES		0	6	6
SLF-37	1/28/77	-0	26.3	-0
	3/ 1/77	-0	26.2	7.6
	3/29/77	-0	-0	7.7
	4/29/77	-0	26.7	7.6
	5/30/77	-0	26.7	7.5
MEAN		0	26.5	7.6
STANDARD DEVIATION		0	.26	.08
NUMBER OF VALUES		0	4	4
SLF-38	1/28/77	-0	28.3	-0
	3/ 1/77	-0	28.4	7.5
	3/29/77	-0	28.5	7.4
	4/29/77	-0	28.8	7.5
	6/ 2/77	-0	28.7	7.5
	6/30/77	-0	28.8	7.2
	7/25/77	-0	28.0	7.2
MEAN		0	28.5	7.4
STANDARD DEVIATION		0	.29	.15
NUMBER OF VALUES		0	7	6

COLLECTED UNDER NATURAL DISCHARGE CONDITIONS (CONT O)

DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)	DISSOLVED MAGNESIUM (MG/L AS MG)
280.	11.0	87.	61.
320.	14.0	99.	67.
290.	17.0	110.	64.
270.	14.0	88.	54.
270.	8.7	82.	59.
290.	11.0	89.	63.
270.	10.0	95.	69.
284.	12.2	93.	62.
18.13	2.87	9.37	5.03
7	7	7	7
330.	17.0	79.	54.
340.	17.0	76.	57.
330.	22.0	89.	60.
320.	18.0	82.	54.
390.	11.0	80.	61.
342.	17.0	81.	57.
27.75	3.94	4.87	3.27
5	5	5	5
530.	13.0	150.	87.
560.	20.0	150.	91.
540.	28.0	140.	94.
530.	22.0	160.	90.
540.	14.0	160.	100.
570.	15.0	150.	94.
580.	14.0	160.	98.
550.	18.0	153.	93.
20.00	5.57	7.56	4.54
7	7	7	7

TABLE 4. WATER QUALITY DATA FOR WELLHEAD WATER SAMPLES COLLECTED U

SFWMD WELL NO.	DATE MM/DD/YY	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)
SLF-36	1/27/77	650.	-0	-0
	2/28/77	740.	160.	-0
	3/28/77	720.	180.	-0
	4/26/77	590.	150.	164.
	5/31/77	590.	-0	153.
	6/29/77	640.	150.	149.
	7/27/77	650.	130.	154.
MEAN		654.	154.	155.
STANDARD DEVIATION		57.98	18.17	6.38
NUMBER OF VALUES		7	5	4
SLF-37	1/28/77	650.	-0	-0
	3/ 1/77	-0	240.	-0
	3/29/77	710.	240.	-0
	4/29/77	650.	220.	162.
	5/30/77	580.	170.	154.
MEAN		648.	218.	158.
STANDARD DEVIATION		53.15	33.04	5.66
NUMBER OF VALUES		4	4	2
SLF-38	1/28/77	1220.	-0	-0
	3/ 1/77	1280.	250.	-0
	3/29/77	1190.	300.	-0
	4/29/77	1130.	240.	121.
	6/ 2/77	1170.	-0	125.
	6/30/77	1160.	-0	124.
	7/25/77	1210.	250.	132.
MEAN		1194.	260.	126.
STANDARD DEVIATION		48.60	27.08	4.65
NUMBER OF VALUES		7	4	4

NDER NATURAL DISCHARGE CONDITIONS (CONT D)

DISSOLVED STRONTIUM (MG/L AS SR)	DISSOLVED IRON (MG/L AS FE)	TOTAL DISSOLVED SOLIDS (MG/L)
-0	-0	-0
-0	-0	-0
-0	-0	1590.
-0	-0	1430.
-0	-0	1570.
-0	-0	1570.
7.1	.10	1470.
7.1	.10	1526.
1.41	1.41	71.27
1	1	5
-0	-0	-0
-0	-0	-0
-0	-0	1580.
-0	-0	1550.
-0	-0	1600.
0	0	1577.
0	0	25.17
0	0	3
-0	-0	-0
-0	-0	-0
-0	-0	2830.
-0	-0	2660.
-0	-0	2810.
-0	-0	2790.
12.3	.10	2710.
12.3	.10	2760.
1.41	1.41	72.11
1	1	5

TABLE 5

WATER QUALITY DATA FOR WATER SAMPLES
COLLECTED WITH A DOWNHOLE POINT SAMPLER UNDER
NATURAL DISCHARGE CONDITIONS

TABLE 5. WATER QUALITY DATA FOR WATER SAMPLES COLLECTED WITH A DOWNHOLE POINT SAMPLER UNDER NATURAL DISCHARGE CONDITIONS

SFWMD WELL NO.	DATE MM/DD/YY	DEPTH OF SAMPLE (FEET LS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)	DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)
MF-6	2/21/78	-0	1930.	27.3	7.7	250.	11.0	44.
	2/21/78	-0	1940.	27.3	7.6	-0	8.3	-0
	2/21/78	720	1830.	22.4	7.5	-0	8.5	-0
	2/21/78	764	1750.	24.0	7.6	-0	10.0	-0
	2/21/78	794	1670.	23.6	7.5	-0	10.0	-0
	2/21/78	814	1820.	22.8	7.5	260.	10.0	40.
	2/21/78	830	2120.	22.6	7.3	260.	10.0	59.
	2/21/78	860	2240.	22.9	7.4	290.	10.0	66.
	2/21/78	910	2660.	-0	7.3	340.	11.0	69.
	2/21/78	1030	3780.	23.6	7.4	470.	18.0	94.
MF-23	10/31/77	-0	1750.	27.5	7.5	-0	-0	-0
	10/31/77	740	1600.	27.5	7.4	250.	9.4	68.
	10/31/77	810	1620.	27.5	7.3	260.	9.1	67.
	10/31/77	850	1600.	27.7	7.6	240.	9.2	68.
	10/31/77	980	1620.	27.4	7.9	250.	9.3	68.
	10/31/77	1035	1330.	29.3	7.9	240.	8.9	68.
	10/31/77	1113	1430.	-0	7.8	220.	9.2	58.
OKF-2	1/12/78	-0	891.	23.0	7.3	98.	7.5	41.
	1/12/78	-0	1060.	23.4	7.3	95.	8.0	41.
	1/12/78	340	1010.	20.5	7.4	96.	7.4	40.
	1/12/78	393	846.	20.1	7.3	79.	7.7	32.
	1/12/78	450	1170.	22.6	7.3	140.	7.5	57.
	1/12/78	560	1280.	24.2	7.3	140.	7.2	61.
	1/12/78	630	1550.	24.3	7.3	170.	7.3	75.
	1/12/78	677	1910.	25.0	7.0	260.	8.3	93.
SLF-9	11/ 1/77	-0	-0	-0	-0	640.	7.1	140.
	11/ 1/77	-0	4010.	26.8	7.4	600.	4.3	140.
	11/ 1/77	450	3720.	26.3	7.7	710.	7.8	140.
	11/ 1/77	520	3850.	27.1	7.7	730.	7.5	150.
	11/ 1/77	600	3900.	27.4	7.8	610.	7.1	140.
	11/ 1/77	790	3980.	27.0	7.5	660.	7.4	140.

TABLE 5. WATER QUALITY DATA FOR WATER SAMPLES COLLECTED WITH A DOWNHOLE POINT SAMPLER UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

SFWMD WELL NO.	DATE MM/DD/YY	DEPTH OF SAMPLE (FEET LS)	DISSOLVED MAGNESIUM (MG/L AS MG)	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)	DISSOLVED STRONTIUM (MG/L AS SR)	TOTAL DISSOLVED SOLIDS (MG/L)
MF-6	2/21/78	-0	55.	330.	220.	147.	12.0	1020.
	2/21/78	-0	42.	330.	220.	150.	12.0	1020.
	2/21/78	720	42.	330.	220.	148.	12.0	1020.
	2/21/78	764	42.	300.	210.	146.	12.0	965.
	2/21/78	794	42.	300.	200.	141.	13.0	939.
	2/21/78	814	65.	390.	210.	148.	20.0	1090.
	2/21/78	830	62.	420.	210.	145.	22.0	1130.
	2/21/78	860	64.	490.	220.	171.	22.0	1350.
	2/21/78	910	73.	530.	230.	163.	25.0	1400.
	2/21/78	1030	97.	920.	260.	-0	45.0	2070.
MF-23	10/31/77	-0	-0	370.	190.	127.	-0	-0
	10/31/77	740	63.	400.	-0	131.	-0	1070.
	10/31/77	810	66.	400.	200.	134.	-0	1140.
	10/31/77	850	61.	390.	200.	126.	-0	1110.
	10/31/77	980	62.	400.	190.	131.	-0	1090.
	10/31/77	1035	64.	400.	200.	134.	-0	1140.
	10/31/77	1113	62.	330.	220.	120.	-0	1070.
DKF-2	1/12/78	-0	39.	140.	120.	181.	9.9	610.
	1/12/78	-0	39.	140.	120.	181.	9.9	610.
	1/12/78	340	39.	140.	110.	181.	10.0	610.
	1/12/78	393	35.	100.	90.	182.	8.7	500.
	1/12/78	450	46.	250.	160.	165.	12.0	830.
	1/12/78	560	46.	260.	170.	-0	13.0	850.
	1/12/78	630	49.	360.	180.	138.	15.0	1020.
	1/12/78	677	77.	510.	210.	127.	19.0	1340.
SLF-9	11/ 1/77	-0	100.	1240.	220.	-0	-0	2760.
	11/ 1/77	-0	110.	1230.	220.	149.	-0	2630.
	11/ 1/77	450	100.	-0	220.	147.	-0	2570.
	11/ 1/77	520	110.	1330.	230.	144.	-0	2650.
	11/ 1/77	600	99.	1290.	220.	142.	-0	2630.
	11/ 1/77	790	110.	1310.	230.	143.	-0	2800.

TABLE 5. WATER QUALITY DATA FOR WATER SAMPLES COLLECTED WITH A DOWNHOLE POINT SAMPLER UNDER NATURAL DISCHARGE CONDITIONS (CONT'D)

SFWMD WELL NO.	DATE MM/DD/YY	DEPTH OF SAMPLE (FEET LS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEGREES C)	PH (UNITS)	DISSOLVED SODIUM (MG/L AS NA)	DISSOLVED POTASSIUM (MG/L AS K)	DISSOLVED CALCIUM (MG/L AS CA)
SLF-9	11/ 1/77	950	4150.	26.7	7.6	740.	7.5	140.
SLF-17	11/ 2/77	-0	2380.	29.2	7.6	400.	11.0	97.
	11/ 2/77	-0	2570.	28.5	7.7	390.	10.0	99.
	11/ 2/77	600	2320.	28.3	7.3	400.	10.0	98.
	11/ 2/77	750	2180.	30.5	7.1	380.	10.0	97.
	11/ 2/77	900	2000.	30.8	7.5	360.	9.7	89.
	11/ 2/77	1030	1830.	28.2	7.4	280.	8.6	87.
	11/ 2/77	1110	2300.	29.9	7.4	380.	10.0	100.
	11/ 2/77	1280	2380.	29.4	7.4	380.	11.0	95.

TABLE 5. WATER QUALITY DATA FOR WATER SAMPLES COLLECTED WITH A DOWNHOLE POINT SAMPLER UNDER NATURAL DISCHARGE CONDITIONS (CONT D)

SFWMD WELL NO.	DATE MM/DD/YY	DEPTH OF SAMPLE (FEET LS)	DISSOLVED MAGNESIUM (MG/L AS MG)	DISSOLVED CHLORIDE (MG/L AS CL)	DISSOLVED SULFATE (MG/L AS SO4)	ALKALINITY (MG/L AS CACO3)	DISSOLVED STRONTIUM (MG/L AS SR)	TOTAL DISSOLVED SOLIDS (MG/L)
SLF-9	11/ 1/77	950	100.	1300.	220.	139.	-0	2670.
SLF-17	11/ 2/77	-0	78.	700.	200.	144.	-0	1690.
	11/ 2/77	-0	77.	710.	200.	146.	-0	1590.
	11/ 2/77	600	75.	690.	200.	140.	-0	1580.
	11/ 2/77	750	74.	670.	200.	143.	-0	1580.
	11/ 2/77	900	74.	620.	180.	144.	-0	1460.
	11/ 2/77	1030	64.	470.	190.	145.	-0	1300.
	11/ 2/77	1110	77.	700.	200.	142.	-0	1580.
	11/ 2/77	1280	75.	690.	190.	142.	-0	-0

TABLE 6

GEOLOGIC DESCRIPTIONS

SFWMD Well No. MF-3
Martin County
Latitude: 27° 12.00' 49.00"
Longitude: 80° 10.00' 44.00"
Sec, 31, T 37S, R 42E
Reference Datum: 6' msl
Owner: Indian River Plantation Development
Drilled by: Arnold & Bearss
Cuttings Collected by: Driller
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
0 - 20	Shell hash; sandstone, tan to brown, silt to sand size quartz; poorly cemented.
20 - 40	Limestone, tan to brown, shell fragments; quartz, silt to fine sand size; minor sandstone; trace clay and silt, gray.
40 - 60	Clay and silt, gray; limestone, white; shell fragments; chert?, olive green.
60 - 65	Shell hash, tan to brown (pelecypods and gastropods); phosphorite, silt to coarse sand size, rounded; minor limestone as above.
65 - 70	Limestone, tan to gray, calcarenite; shell fragments; trace phosphorite.
70 - 80	Clay and silt, green, calcareous, plastic.
80 - 100	Shell hash, pink-gray; trace silt and clay; trace phosphorite.
100 - 105	As above, increases in silt and clay.
105 - 125	Quartz, light gray, silt to fine sand size, unconsolidated; minor phosphorite; minor silt and clay; minor shell fragments.
125 - 145	Limestone, gray, med. hard; shell fragments; silt and clay; chert?
145 - 375	Silt and clay, green, cohesive, calcareous; quartz, silt to fine sand size; phosphorite, silt size; trace limestone, white; trace shell fragments.
375 - 600	Clay and silt, plastic; quartz, silt size.
600 - 650	Primarily as above; chert; minor limestone, white; trace phosphorite.

....MF-3 (Continued)

DEPTH (FT.)	DESCRIPTION
650 - 665	Clay, gray, calcareous; quartz, sand size; phosphorite; limestone, gray-white, calcarenite; minor chert; trace shell fragments.
665 - 720	Limestone, white, calcarenite; minor dolomite?, gray hard, crystalline; minor phosphorite; minor clay; increased amounts of silt size quartz and phosphorite towards base.
720 - 750	Limestone, white to gray, calcarenite, soft, trace clay, bryozoan, Lepidocyclina sp.?
750 - 825	Limestone, white to gray, calcarenite; minor phosphorite; trace clay; trace shell fragments; trace chert.
825 - 850	Limestone, light gray to white, broken into uniform, coarse sand size pieces; minor phosphorite; bryozoan, Lepidocyclina sp.
850 - 950	Limestone, white, calcarenite, Lepidocyclina sp., bryozoan, Camerina sp.
950 - 1025	Limestone, white, calcarenite, soft, broken into coarse sand size pieces, trace clay; trace chert; trace phosphorite; Lepidocyclina sp., Camerina sp.

SFWMD Well No. MF-4
Martin County
Latitude: 27° 11.00' 4.00"
Longitude: 80° 09.00' 43.00"
Sec. 8, T 38S, R 42E
Reference Datum: TOC 9.0' msl
Owner: Mobil Oil Estates
Drilled by: Arnold and Bearss
Drilling Method: Rotary
Cuttings Collected by: Driller
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
0 - 10	Quartz, clear, med. to coarse sand, unconsolidated, angular to subrounded; shell fragments; minor organics.
10 - 20	Limestone, gray, med. hard; shell fragments, poorly consolidated.
20 - 70	Limestone, gray, subcrystalline; quartz, white; minor shell fragments.
70 - 100	Shell fragments (coquina), well cemented; minor quartz, sand size, cemented in with shells.
100 - 120	Limestone, tan (micritic), soft; shell fragments.
120 - 140	As above; increase in shell fragments.
140 - 160	Limestone (micritic), well cemented; hard; shell fragments.
160 - 190	Limestone (micritic), quartz cemented in limestone; phosphatic fines, polished; minor shell fragments.
190 - 250	Limestone, tan to gray (micritic); clay, light gray; phosphate.
250 - 500	Clay, gray to light green, plastic; minor phosphorite; minor quartz.
500 - 700	Clay, light green, plastic; quartz, fine sand, phosphorite.
700 - 850	Limestone, white, soft, calcarenite; minor phosphorite.
850 - 1150	Limestone, white soft; fossiliferous; trace phosphorite.
1150 - 1300	As above, dolomite?, chert?
1300 - 1500	As above, abundant brown chert or possibly dolomite.
1500 - 1525	Limestone, white, chalky; minor phosphorite fines; minor quartz sand.

SFWMD Well No. MF-20
Martin County
Latitude: 27° 09.00' 19.00"
Longitude: 080° 36.00' 50.00"
Sec, 22, T 38S, R 37E
Reference Datum: TOC approximately 35' msl
Owner: Bob's Grove, Martin County
Drilled by: McCullers & Howard Drilling
Drilling Method: Jet Percussion 0' - 336'
Rotary Air Assist 336' - 1200'
Cuttings Collected by: SFWMD
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
23 - 44	Limestone, (coquina), gray, shelly, well cemented, hard.
44 - 54	Limestone, (coquina), light gray, shelly, poorly cemented; quartz sand.
54 - 64	Limestone, gray, shelly, poorly cemented; limestone, gray, well cemented, hard.
64 - 75	Limestone, gray, shell fragments (coquina); quartz sand, white.
75 - 85	Limestone, white to light tan (coquina); quartz sand, white; trace clay, green, plastic; trace clay, white, calcareous, chalky (carbonate mud?).
85 - 96	As above; grading into a gray limestone; shell fragments; quartz sand toward base.
96 - 105	As above; increasing light green and gray clay, plastic.
105 - 116	Clay, gray, plastic; shell fragments, quartz sand.
116 - 126	Sample missing.
126 - 136	Limestone, light green to gray, consolidated, hard; quartz sand; shell fragments; trace clay.
136 - 141	Clay, light gray to white, calcareous, plastic; shell fragments; quartz sand.
141 - 147	Clay, olive green, plastic, cohesive; shell fragments; quartz sand.
147 - 157	Clay, light olive green, plastic; quartz sand; shell fragments.

....MF-20 (Continued)

DEPTH (FT.)	DESCRIPTION
157 - 168	Clay, olive green, sandy, cohesive; increase in shell fragments toward base (lower 5').
168 - 178	Clay, light gray to green; quartz, silt to fine sand size; phosphorite; minor shell fragments.
178 - 210	Clay, olive green, plastic; quartz sand; phosphorite pebbles, well rounded, polished.
210 - 231	As above; more cohesive, less phosphorite, no shells.
231 - 252	Clay, olive green, cohesive, plastic; quartz, silt to fine sand size; phosphorite; clay, gray, in stringers; quartz sand increasing towards base.
252 - 273	As above; less quartz sand, becoming quartz silt.
273 - 440	Cuttings not described, although collected.
440 - 460	Clay, light green to gray, plastic; quartz sand and silt; phosphorite.
460 - 480	Clay, light gray, green, plastic; quartz sand; phosphorite; trace limestone.
480 - 500	As above; limestone, white to tan, calcilutite; phosphorite; quartz sand and silt.
500 - 520	Clay, light green to gray, plastic; quartz sand and silt; phosphorite; trace shell fragments.
520 - 540	Clay, light gray, silt, plastic; limestone fragments, white, hard; phosphorite, fine sand to sand size; shell fragments.
540 - 560	Clay, silt and sand, light gray, plastic; increasing limestone, white; hard; phosphorite fine sand to sand size; shell fragments.
560 - 580	Clay, green, gray, darker than above; decreasing limestone; phosphorite; trace shell fragments.
580 - 600	As above; only trace limestone.
600 - 620	As above; slightly lighter in color.
620 - 640	Clay, light gray to green, plastic; trace quartz sand; trace limestone; minor phosphorite.

....MF-20 (Continued)

DEPTH (FT.)	DESCRIPTION
640 - 660	Limestone, light gray, calcarenite, hard; clay, light green to gray; minor phosphorite; trace shell.
660 - 680	Limestone, tan, calcilutite, sucrosic; phosphorite; limestone, gray, like 640' - 660' although less hard; trace clay, light gray to green, plastic.
680 - 700	Limestone, tan to white, hard, calcarenite; Halimeda, bryozoan ; trace shell fragments; limestone, light gray, hard; phosphorite; limestone, light brown to tan, soft calcilutite, sucrosic; Lepidocyclina sp.?
700 - 740	Limestone, light brown to tan, soft calcilutite, sucrosic; Lepidocyclina sp., Camerina sp.; trace limestone, gray, hard.
740 - 760	Limestone, tan, soft, calcilutite, sucrosic; limestone, white, chalky, soft, calcarenite (micritic); limestone, light gray, med. hard, subcrystalline (dolostone?), Lepidocyclina sp., bryozoan, Dictyoconus sp.; many hard layers.
760 - 770	As above; becoming lighter towards base; abundant Dictyoconus sp.
770 - 780	Limestone, white to light tan, chalky (lime mud), soft.
780 - 800	Limestone, light tan to white, soft, chalky; limestone light gray to gray, med. hard (dolostone?).
800 - 880	Limestone, light brown to tan, and white, calcilutite, sucrosic, soft; limestone, light gray to gray (dolostone?), med. hard, subcrystalline; Dictyoconus sp.; hard streaks.
880 - 920	Limestone, light brown to tan, calcilutite, sucrosic, soft (as above); less Lepidocyclina sp.; trace shell fragments; minor limestone, gray, med. hard.
920 - 940	As above; minor limestone (dolomite?), hard, dense sub to crystalline; minor limestone (dolostone?), brown, hard, subcrystalline.
940 - 1000	As above; no significant change since 880 ft.
1000 - 1020	As above; trace reddish brown limestone (dolostone?), very hard, crystalline.

....MF-20 (Continued)

DEPTH (FT.)	DESCRIPTION
1020 - 1040	Limestone, tan to light brown, calcilutite, sucrosic, soft; Lepidocyclina sp., Dictyoconus sp., bryozoan; minor limestone (dolomite?), gray, hard, subcrystalline; minor limestone, white, soft chalky, as above.
1040 - 1060	Limestone, light tan, white, calcilutite, sucrosic, soft, (as above 1020 - 1040); Lepidocyclina sp.; minor limestone (dolostone?), gray, med. hard, subcrystalline; Dictyoconus sp.
1060 - 1080	Limestone, light gray, and tan to white, calcarenite, soft; Dictyoconus sp., Lepidocyclina sp., bryozoan; limestone (dolostone), gray and brown, subcrystalline.
1080 - 1100	As above; increasing gray limestone (dolomite?) sub to crystalline, hard, dense; also brown dolomite; limestone, subcrystalline, hard, dense.
1100 - 1120	Limestone, light gray, white, tan calcarenite, sucrosic; dolomite, gray, hard; Dictyoconus sp., Lepidocyclina sp., calcite crystal growths on limestone.
1120 - 1140	As above; increasing dolomite, dark gray to blue, crystalline, hard dense; nearly 50/50 limestone, light gray to tan and dolomite; less Lepidocyclina sp.
1140 - 1160	Limestone, light tan, to light gray, white, calcarenite, soft; Lepidocyclina sp., Dictyoconus sp.; dolomite, dark gray to gray subcrystalline to crystalline. 75% limestone, 25% dolomite, less dolomite than 1120 - 1140.
1160 - 1180	Limestone, light gray to white to verylight tan, calcarenite; limestone, tan, calcilutite, sucrosic, soft; minor dolomite, dark gray to blue, crystalline, hard, dense; minor dolomite or limestone, brown crystalline, hard, dense; few micro-fossils; trace clay, white carbonate mud.

SFWMD Well No. OKF-29
Okeechobee County
Latitude: 27° 26.00' 30.00"
Longitude: 080° 50.00' 30.00"
Sec. 9, T 35S, R 35E
Reference Datum: LS approx. 65' msl
Owner: McArthur Dairy
Drilled by: McCuller & Howard Drilling
Drilling Method: Jet Percussion 0'-336'
Rotary Air Assist 336'-1180'
Cuttings Collected by: SFWMD
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
33 - 42	Quartz, iron stained, clear, sand size, poorly sorted, subrounded, unconsolidated; organics with quartz sand compact (hard pan?).
42 - 52	Quartz, clear, iron stained, sand size, mod. sorted, subrounded to rounded, unconsolidated; organics with quartz sand, compact.
52 - 63	Quartz, buff white, clear, sand size, poorly sorted, subrounded, unconsolidated; organics with quartz sand, compact.
63 - 73	Quartz, buff white, sand size, mod. sorted, subrounded, unconsolidated.
73 - 84	Organics? (Lignite?) black, quartz coated with organics, sand size, compact, hard; shell fragments (pelecypods).
84 - 105	Clay, (lime mud), calcareous, light gray, plastic; quartz, clear, sand size.
105 - 115	Limestone, light gray, well cemented, hard; quartz, clear, sand size cemented in limestone; shell fragments (pelecypods) cemented in limestone.
115 - 125	Sandstone, calcareous, gray to light green, consolidated, shell fragments.
125 - 136	Sandstone, calcareous, light green; phosphatic; quartz, fine to sand size, rounded; phosphorite, black, sand size.
136 - 157	Sandstone, calcareous, light gray; quartz, sand size, subangular, sorted; phsophorite, black, sand size; shell fragments (pelecypods, echinoid spines, bryozoan).

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
157 - 168	As above; may be less consolidated than above, and less shell fragments.
168 - 210	Quartz, clear, sand size, mod. sorted, subrounded; phosphorite, black, sand size; minor amounts of shell fragments.
210 - 220	Quartz, clear and frosted, coarse sand size, poorly sorted, subrounded; phosphorite, black, sand to fine sand size; shell fragments (pelecypods, echinoid spines); limestone fragments.
220 - 231	Quartz, clear, frosted, sand size, mod. sorted; phosphorite, black, sand to silt size; shell fragments; dolomite, crystalline, gray.
231 - 241	As above; quartz poorly sorted.
241 - 252	Quartz, frosted, coarse sand size, subrounded, poorly sorted; dolomite (dolomitic?, shell fragments?), gray crystalline, hard; shell fragments; limestone fragments; phosphorite, black, coarse sand size to fine.
252 - 262	As above; increased amounts of dolomite?, shell fragments.
262 - 283	Dolomite, gray, crystalline, hard; quartz, frosted, coarse sand size; shell fragments.
283 - 294	Dolomite, gray, crystalline, hard; dolomitic shell fragments and coral fragments; phosphorite, black, brown, coarse to fine sand size; quartz, frosted, subangular, poorly sorted.
294 - 304	Quartz, clear, frosted, subrounded, mod. sorted; phosphorite, black, brown, coarse to fine sand size; limestone and dolomite fragments.
304 - 315	As above; increasing amount of phosphorite.
315 - 325	Phosphorite, black, brown, coarse sand to sand size (Brown phosphorite may be dolomite?); quartz, frosted, subangular, sand size, mod. sorted; shell fragments.
325 - 340	No sample.
340 - 350	As 315'-325'; iron stained, shell fragments.
350 - 360	Sample missing.

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
360 - 370	Limestone, white, subcrystalline (calcilutite), hard; phosphorite, black brown, sand size; trace quartz.
370 - 380	As above; less phosphorite; silt size.
380 - 390	Limestone, white subcrystalline, hard; phosphorite, black, sand size.
390 - 400	Clay and silt, light green, calcareous, plastic; phosphorite, black, coarse sand to granular size; limestone fragments; iron stained flakes (lignite?).
400 - 410	Silt, light gray, calcareous; phosphorite, black and brown, fine sand size; limestone chips; shell fragments.
410 - 420	No sample.
420 - 440	Limestone, white to light grayish brown, subcrystalline, hard; dolomite, gray, crystalline, hard; phosphorite, black, hard, granular size.
440 - 460	Limestone, white to light gray, subcrystalline; phosphorite black, sand size.
460 - 480	Limestone, white biomicrite, soft, calcilutite; Lepidocyclina sp.
480 - 540	As above; (foram coquina).
540 - 570	As above; becoming a little more crystalline and brown in color (foram coquina).
570 - 580	Limestone, white soft, calcarenite, chalky; Lepidocyclina sp., echinoid spines.
580 - 590	Limestone, white, calcarenite, chalky, Lepidocyclina sp., Dictyoconus sp., echinoid spines.
590 - 610	As above; with gray crystalline dolomite.
610 - 620	Limestone, white to light gray, calcarenite; quartz, clear, sand size; lignite, black; fewer forams than above.
620 - 630	Limestone, white, calcarenite; few forams.
630 - 660	As above; dolomite, gray, crystalline, hard.

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
660 - 670	Limestone, white, few forams.
670 - 680	Limestone, light tan to white, subcrystalline, calcilutite (sparry); Dictyoconus sp.
680 - 720	As above; becoming more light brown in color.
720 - 740	Limestone, white to light tan, calcarenite, subcrystalline.
740 - 750	Limestone, white to light tan, calcarenite, soft.
750 - 760	As above; increase in gray, crystalline dolomite fragments.
760 - 790	Limestone, white to light tan, calcarenite; few gray dolomite, fragments.
790 - 800	Limestone, white to light tan, calcarenite; Dictyoconus sp.; minor amounts of gray dolomite, crystalline.
800 - 820	Sample missing.
820 - 830	Limestone, white, calcarenite; Lepidocyclina sp., Dictyoconus sp., Camerina sp., echinoid spines; dolomite, dark gray, crystalline; minor brown limestone (sparry).
830 - 840	Limestone, white, calcarenite, many Lepidocyclina sp., Dictyoconus sp.; minor brown limestone (sparry).
840 - 860	As above; gray dolomite.
860 - 870	Dolomite, gray, crystalline; limestone micritic, white; quartz, frosted, subangular.
870 - 880	Limestone (dolomite?), light brown, crystalline to subcrystalline; limestone, white, calcarenite; Lepidocyclina sp., cones, etc.; quartz, frosted, sand size; dolomite, gray, crystalline.
880 - 890	As above; less amounts of dolomite.
890 - 900	Limestone, white, calcarenite; forams; limestone (dolomite?) light brown, crystalline; dolomite, gray, crystalline; dolomite, dark blue, well rounded, polished?
900 - 920	As above; increasing amounts of gray crystalline dolomite.

SFWMD Well No. PBF-1
County: Palm Beach
Latitude: 26° 58.00' 11.00"
Longitude: 080° 05.00' 13.00"
Sec. 30, T 40S, R 43E
Reference Datum: LS 13' msl
Owner: Broadview Condo.
Drilled by: McGregor Pump Co.
Drilling Method: direct mud rotary
Cuttings Collected by: SFWMD
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
1 - 10	Quartz, white to light brown, fine sand size, unconsolidated, angular to subrounded, calcareous; minor organics; minor shell fragments.
10 - 20	As above, clear to tan (iron stained).
20 - 40	Quartz, brown, well rounded, calcite cement; shell fragments.
40 - 50	As above increase in shell fragments.
50 - 60	Quartz, white, fine sand size, poorly cemented with calcite; minor shell fragments.
60 - 90	As above, increased shell fragments.
90 - 110	Shell hash, poorly cemented with calcite; quartz, white to clear, med. sand size.
110 - 150	As above, coquina.
150 - 170	Shell hash, low % cemented material of coral, phosphate; limestone, dark gray.
170 - 180	Shell hash green to gray; limestone; trace clay.
180 - 240	Limestone, green to gray, well cemented; shell fragments (shell hash); trace clay.
240 - 310	Shell hash, gray, poorly cemented; limestone; trace phosphorite; trace clay.
310 - 320	Clay and silt, gray, calcareous; shell fragments; phosphorite.
320 - 365	Clay and silt, gray, calcareous, shell fragments, minor limestone; trace quartz.

....PBF-1 (Continued)

DEPTH (FT.)	DESCRIPTION
365 - 375	Clay and silt, light green, calcareous; minor shell fragments; minor phosphorite.
375 - 820	Clay and silt, green, calcareous; minor fine quartz; trace shell fragments.
820 - 840	Clay and silt, and fine sand, green, gray; minor quartz, white, fine sand size.
840 - 860	Limestone, white to buff yellow, calcite cement, echinoid spines and plates.
860 - 920	Limestone, white; clay, green; phosphorite?; minor quartz, sand size; trace, shell fragments.
920 - 940	Silt and sand, green, calcareous; limestone, white, well cemented; echinoid spines.
940 - 980	Limestone, white and gray, calcareous, fossiliferous; trace clay and silt; trace phosphorite.
980 - 1030	As above, increasing phosphorite.
1030 - 1110	Limestone, white, soft; minor shell fragments, well cemented.
1110 - 1130	As above, forams, Lepidocyclina sp.?
1130 - 1165	As above, coarse grain limestone, increase in Lepidocyclina sp.

SFWMD Well No. SLF-5
St. Lucie County
Latitude: 27° 30.00' 00.00"
Longitude: 080° 27.00' 52.00"
Sec. 20, T 34S, R 39E
Reference Datum: TOC 25' msl
Owner: Edgar Brown
Drilled by: McCuller & Howard
Drilling Method: Jet Percussion 0'-355'
Rotary Air Assist 355'-1227'
Cuttings Collected by: SFWMD
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
0 - 170	Samples not collected.
170 - 190	Clay, silt, gray, calcareous; quartz, sand size; minor shell fragments; phosphorite.
190 - 210	As above, trace of limestone, white, soft.
210 - 230	Clay, silt, green; minor shell fragments, minor quartz sand.
230 - 290	Quartz, fine to med. sand size, unconsolidated, well rounded; silt, clay, gray; phosphorite.
290 - 320	Quartz, med. sand size, unconsolidated, well rounded, good sorting; phosphorite, well rounded, polished, brown and black grans.
320 - 330	Quartz, coarse sand size, unconsolidated, well rounded, fair to good sorting; phosphorite, coarse sand size, polished; minor clay, white (coating sand grans); trace limestone, white, soft; trace shell fragments.
330 - 343	Limestone, white, poorly cemented, soft; phosphorite, subangular to rounded; minor shell fragments, trace, clay, tan.
343 - 363	Limestone, white, soft; quartz, med. sand size, unconsolidated, well rounded, good sorting; phosphorite, well rounded, polished.
363 - 383	Limestone, white soft; quartz, fine sand to silt size; phosphorite; minor shell fragments.
383 - 403	Sample missing.

....SLF-5 (Continued)

DEPTH (FT.)	DESCRIPTION
403 - 443	Limestone, tan, soft; quartz, med. sand size cemented in limestone; clay, silt, tan, calcareous; trace chert.
443 - 483	Clay, silt, gray, calcareous; minor quartz, sand size, trace chert.
483 - 523	Unconsolidated sand size grains composed of quartz, chert limestone, phosphorite; trace shell fragments.
523 - 623	Limestone, white, soft, calcarenite (foram coquina) composed of Lepidocyclina sp., Camerina sp., bryozoan.
623 - 643	Limestone, light gray, calcilutite, medium hard, few Lepidocyclina sp., Camerina sp., bryozoan.
643 - 703	Limestone, white, hard, chalky, calcilutite; Dictyoconus sp.; trace dolomite?, subcrystalline, light gray.
703 - 723	Limestone, light gray to white, soft, chalky, calcilutite, (calcite crystals), Dictyoconus sp.
723 - 773	Limestone, tan to white; trace white clay, calcilutite trace shell fragments, trace chert?, Dictyoconus sp.
773 - 783	Limestone, tan and orange and white, fossiliferous, Dictyoconus sp.; minor dolomite, gray, subcrystalline.
783 - 863	Limestone, cream white, calcilutite, soft; limestone (dolomite?) tan and orange, subcrystalline.
863 - 883	Limestone, white, calcilutite to calcarenite, soft; (formas); dolomite?, subcrystalline, orange, hard.
883 - 903	Dolomite, tan-orange to gray, subcrystalline, hard, Dictyoconus sp., Lepidocyclina sp., minor shell fragments.
903 - 963	Limestone, white cream to tan, silty, softer than above, Lepidocyclina sp.
963 - 1223	Dolomite, tan to light brown to orange crystalline, hard, microsucrosic; trace, limestone, white, soft; trace, white calcitic clay.

SFWMD Well No. SLF-14
County: St. Lucie
Latitude: 27° 20.00' 14.00"
Longitude: 080° 34.00' 18.00"
Sec. 19, T 36S, R 38E
Reference Datum: 26' msl
Owner: Sunsweet Groves
Drilled by: ---
Drilling Method: ---
Cuttings Collected by: ---
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
0 - 10	Sandstone, quartz, med. to fine sand size, angular to subrounded, well sorted; shell fragments; trace phosphorite.
10 - 30	Quartz, clear, fine to med. sand size, unconcolidated, subangular to subrounded, well sorted; shell fragments.
30 - 90	Coquina, shells poorly consolidated; trace silt and clay, gray.
90 - 100	Limestone, white, med. hard; shell fragments; trace fine quartz sand; trace silt and clay.
100 - 140	Limestone, white (mostly shell fragments), med. soft; trace silt and clay.
140 - 170	Clay and silt, gray to green; calcareous; minor shell fragments; minor quartz, med. sand size; minor phosphorite.
170 - 310	No sample.
310 - 330	Clay and silt, tan to gray, plastic; quartz, coarse to med. sand size, rounded; phosphorite.
330 - 345	Quartz, fine to med. sand size; clay and silt, tan; phosphorite; minor limestone chips; minor shell fragments.
345 - 366	Limestone, white to light tan, micritic (calcarenite), soft.
366 - 386	Limestone (shell hash), broken shell fragments; phosphorite, fine sand size; clay, silt tan to gray.
386 - 466	Clay and silt, tan to gray and green, calcareous, quartz, fine and sand size, well rounded; phosphorite, fine sand size, well rounded and in proportion to quartz.

....SLF-14 (Continued)

DEPTH (FT.)	DESCRIPTION
466 - 486	Limestone, white, med. hard; quartz, fine sand size, well cemented in limestone; phosphorite fine sand size; minor shell fragments.
486 - 506	Limestone, orange, med. hard; silt, clay, tan gray and green; phosphorite, fine sand size; minor shell fragments.
506 - 546	Silt and clay, gray to green, calcareous; phosphorite, fine sand size; minor limestone fragments; trace chert?; forams.
546 - 586	Limestone, tan, soft; clay and silt, green, calcareous, interbedded shell fragments and fine quartz sand; phosphorite.
586 - 606	Limestone, white to cream, soft, calcarenite; shell fragments; silt and clay, tan; dolomite?, gray, hard; phosphorite.
606 - 626	Limestone, white to tan, broken into uniform sand size pieces, soft, calcarenite; phosphorite fine sand size, well rounded; quartz, sand size, well rounded; minor shell fragments; trace white silt (lime mud?).
626 - 646	Quartz and phosphorite, unconsolidated, fine sand size, well rounded, polished; limestone; shell fragments.
646 - 666	Limestone, white, soft; dolomite?, orange, hard; quartz, sand size; minor phsophorite; trace clay and silt, tan.
666 - 706	Limestone, white, soft, (foram coquina), calcarenite, Lepidocyclina sp., Operculinoides sp., bryozoan; trace orange limestone (dolomite?), hard crystalline; trace clay, green plastic (contamination from above?).
706 - 786	As above, no bryozoan.
786 - 846	Limestone, white calcite crystals, shell fragments, Lepidocyclina sp., bryozoan; trace light green clay (contamination?).
846 - 886	Limestone, white, silty, Lepidocyclina sp., Dictyoconus sp.
886 - 986	Limestone, orange-white, calcite crystals; dolomite, hard; Dictyoconus sp., Lepidocyclina sp., Coskinaolina sp.; bryozoan.

....SLF-14 (Continued)

DEPTH (FT.)	DESCRIPTION
986 - 1086	Limestone, white, soft; Dictyoconus sp.
1086 - 1106	Limestone, white, soft; dolomite, orange, hard, crystalline.
1106 - 1246	Limestone, white, silty, trace calcite crystals, and dolomite crystals; Dictyoconus sp.

SFWMD Well No. SLF-23
St. Lucie County
Latitude: 27° 13.00' 11.00"
Longitude: 080° 28.00' 11.00"
Sec. 31, T 37S, R 39E
Reference Datum: T.O.C. 32.37' msl
Owner: RBC Groves
Drilled by: McCuller & Howard
Jet Percussion 0'-903'
Cuttings Collected by: SFWMD
Cuttings Described by: SFWMD

DEPTH (FT.)	DESCRIPTION
0 - 21	Sandstone, mod. to poorly consolidated; quartz, coarse sand size; minor gray clay.
21 - 63	Quartz sand, unconsolidated, tan, med. to coarse sand size, angular to subrounded, frosted; trace clay; trace shell fragments.
63 - 126	Sand as above; sandstone as above; shell fragments; minor phosphorite towards base.
126 - 315	Clay and silt, green, cohesive; quartz, fine sand size; phosphorite.
315 - 336	Clay and silt, green, plastic; minor phosphorite.
336 - 342	Clay, green; quartz, fine, med. and coarse sand sizes (med. dominates); phosphorite.
342 - 378	Quartz, coated with green clay, fine to coarse sand size; phosphorite; minor shell fragments.
378 - 504	Clay silt, calcareous, tan to gray; shell frag. (abundant); phosphorite, coarse sand size.
504 - 546	Clay, green, calcareous; quartz sand, very fine to coarse; shell fragments; phosphorite.
546 - 567	Clay and silt, light green, calcareous, phosphorite; trace white limestone fragments.
567 - 588	Clay and silt, gray, calcareous; quartz, sand size; phosphorite; trace white limestone fragments.
588 - 609	Limestone, white, hard, calcilutite; minor quartz, very fine sand size; phosphorite; limestone (dolomite?), amber, very hard, micro-sucrosic.

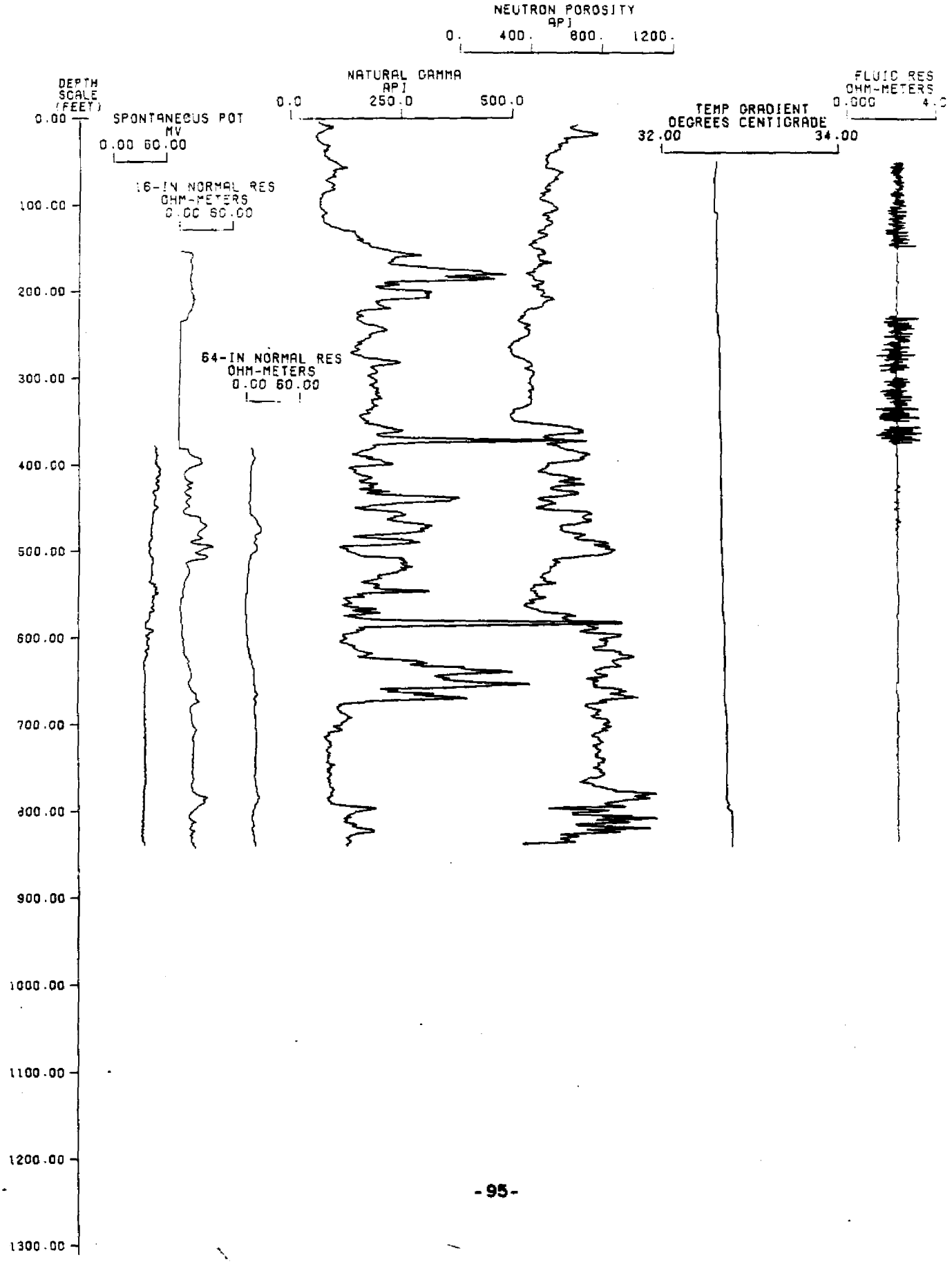
....SLF-23 (Continued)

DEPTH (FT.)	DESCRIPTION
609 - 630	Limestone, white, hard, calcilutite.
630 - 672	Limestone, white, calcarentie; minor quartz, fine sand size; minor phosphorite; trace chert, olive green.
672 - 735	Limestone, white (foram coquina), loosely cemented, calcarenite; Lepidocyclina sp., Camerina sp., bryozoa
735 - 756	Limestone, white, hard, calcilutic calcarenite.
756 - 819	Limestone, white, soft, calcilutite; trace, dolomite?, amber, subcrystalline; Dictyoconus sp.
819 - 861	Limestone, white, loosely cemented, calcarenite; Lepidocyclina sp., Camerina sp., Dictyoconus sp.
861 - 903	Limestone, white, bioclastic, calcarentie; limestone calcilutite; trace dolomite?, amber, micro-sucrosic; Dictyoconus sp.

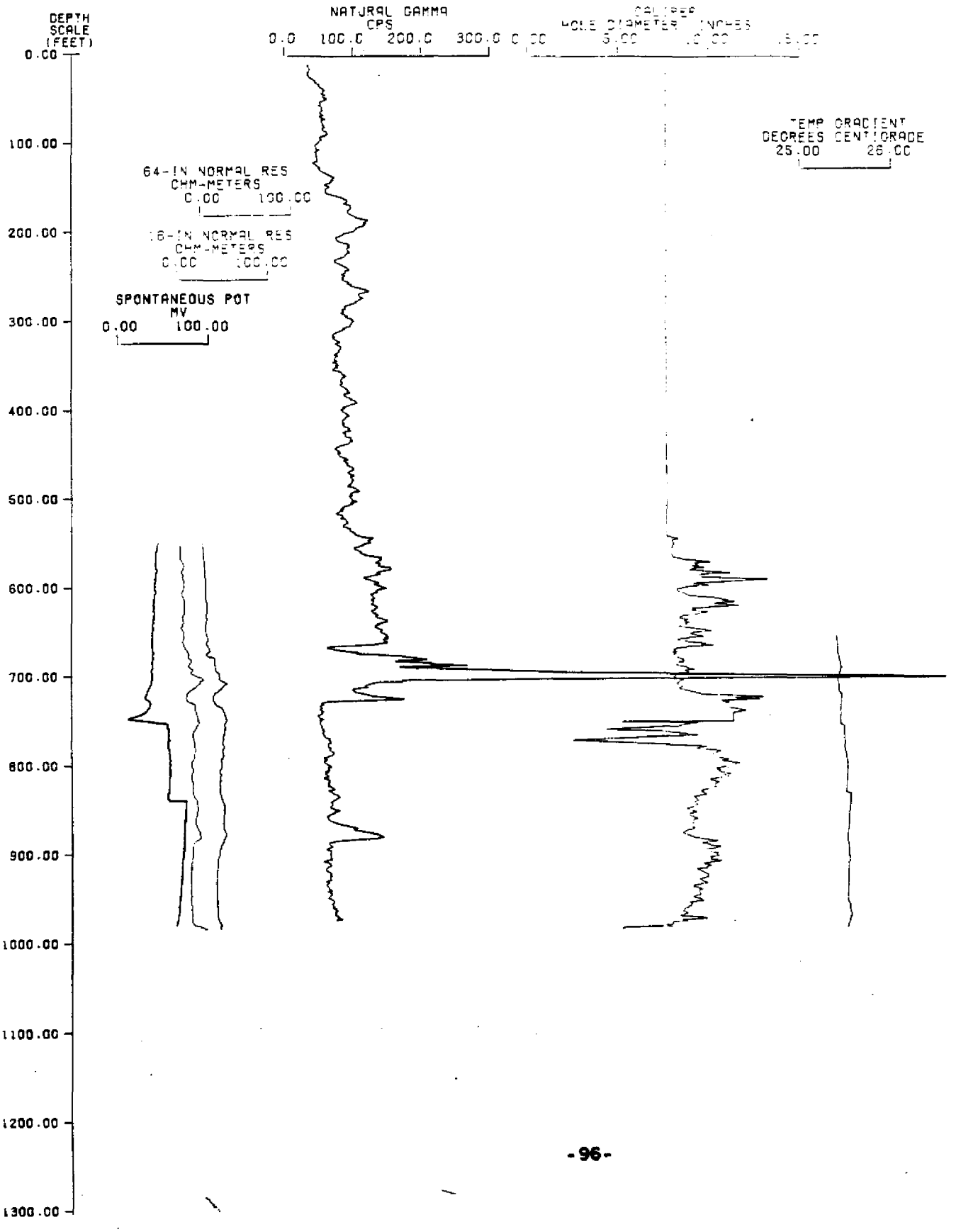
TABLE 7

BOREHOLE GEOPHYSICAL LOGS

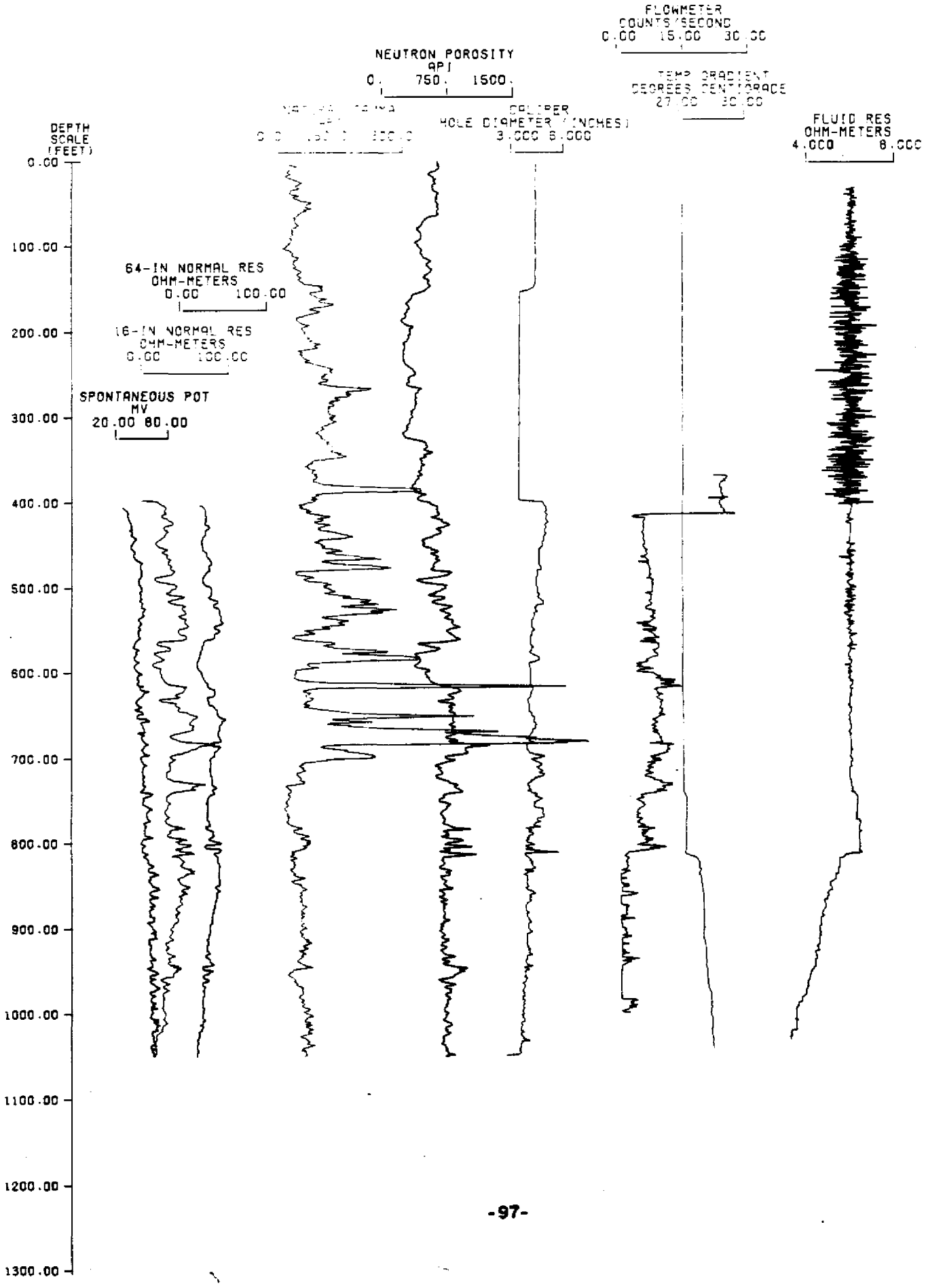
WELL NO. MF-1
1/10/78



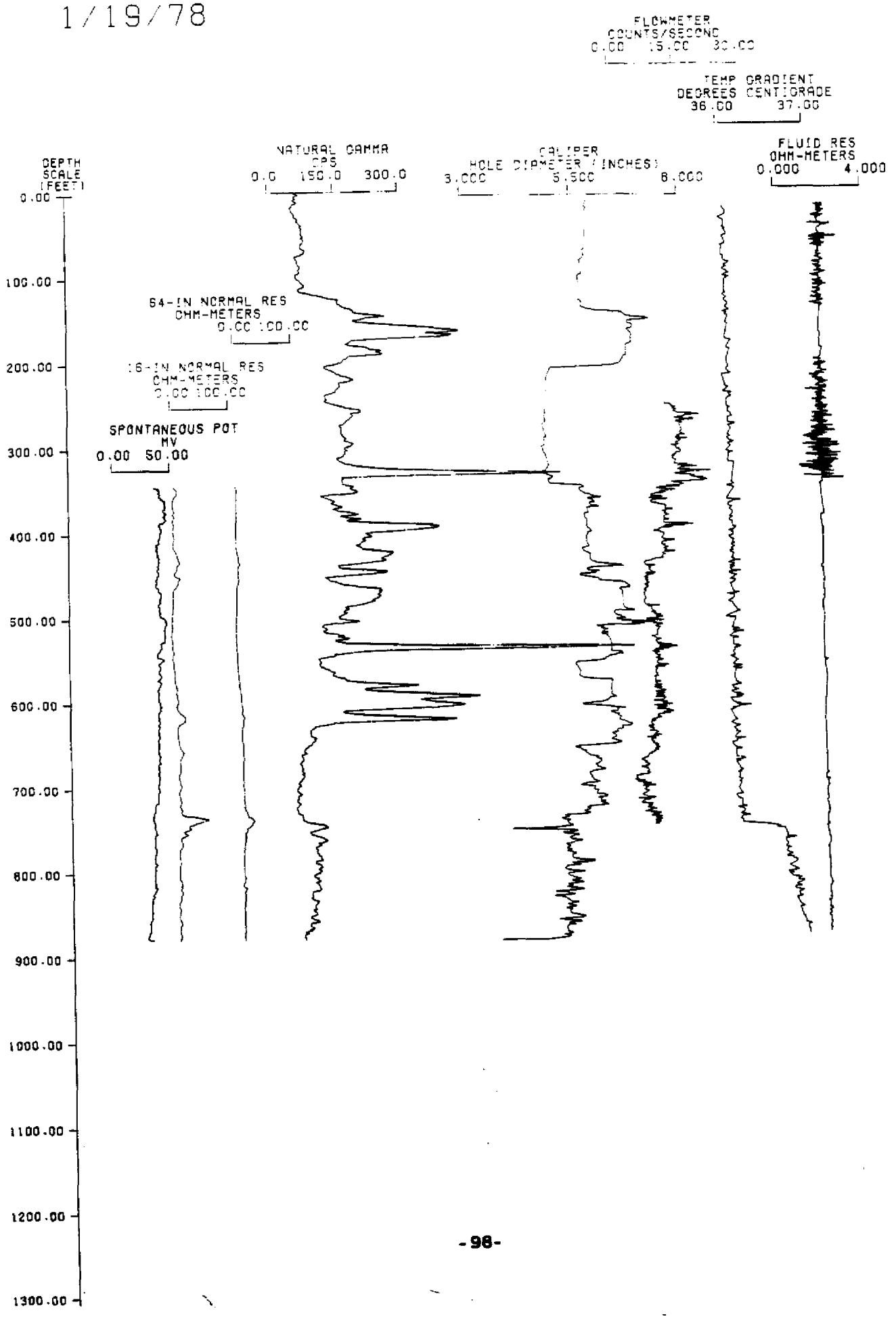
WELL NO. MF-3
9/15/77



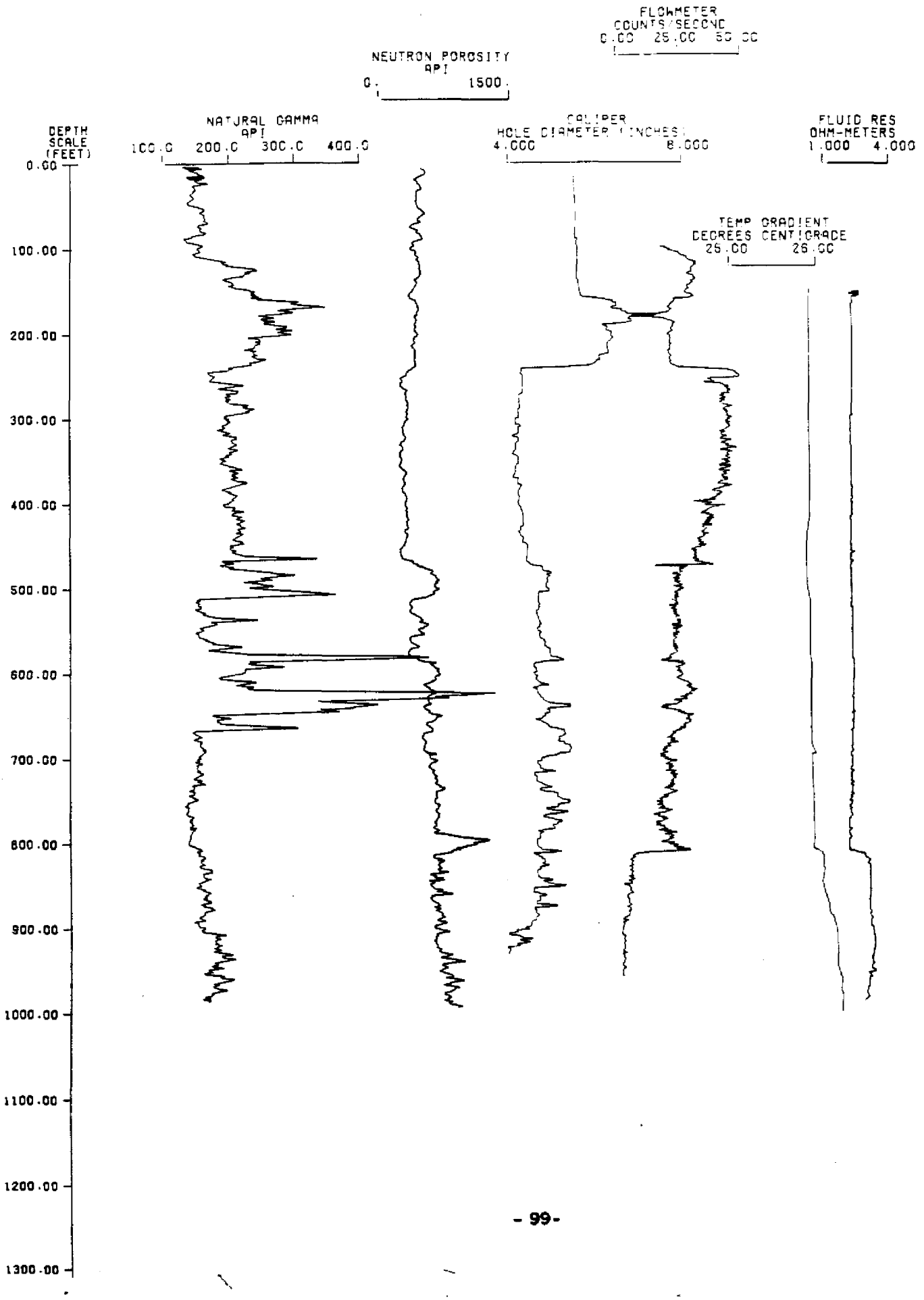
WELL NO. MF-6
12/12/77



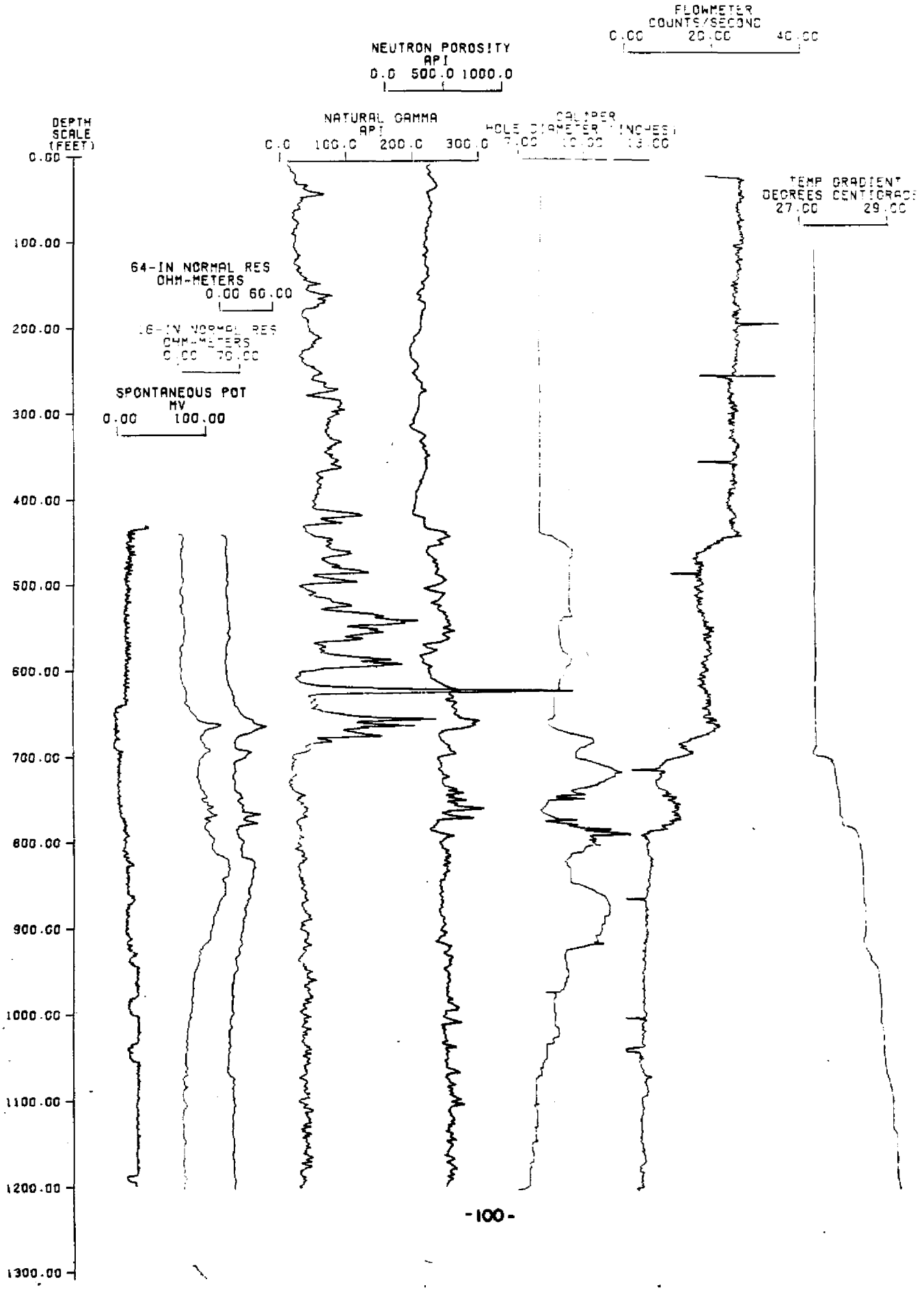
WELL NO. MF-9
1/19/78



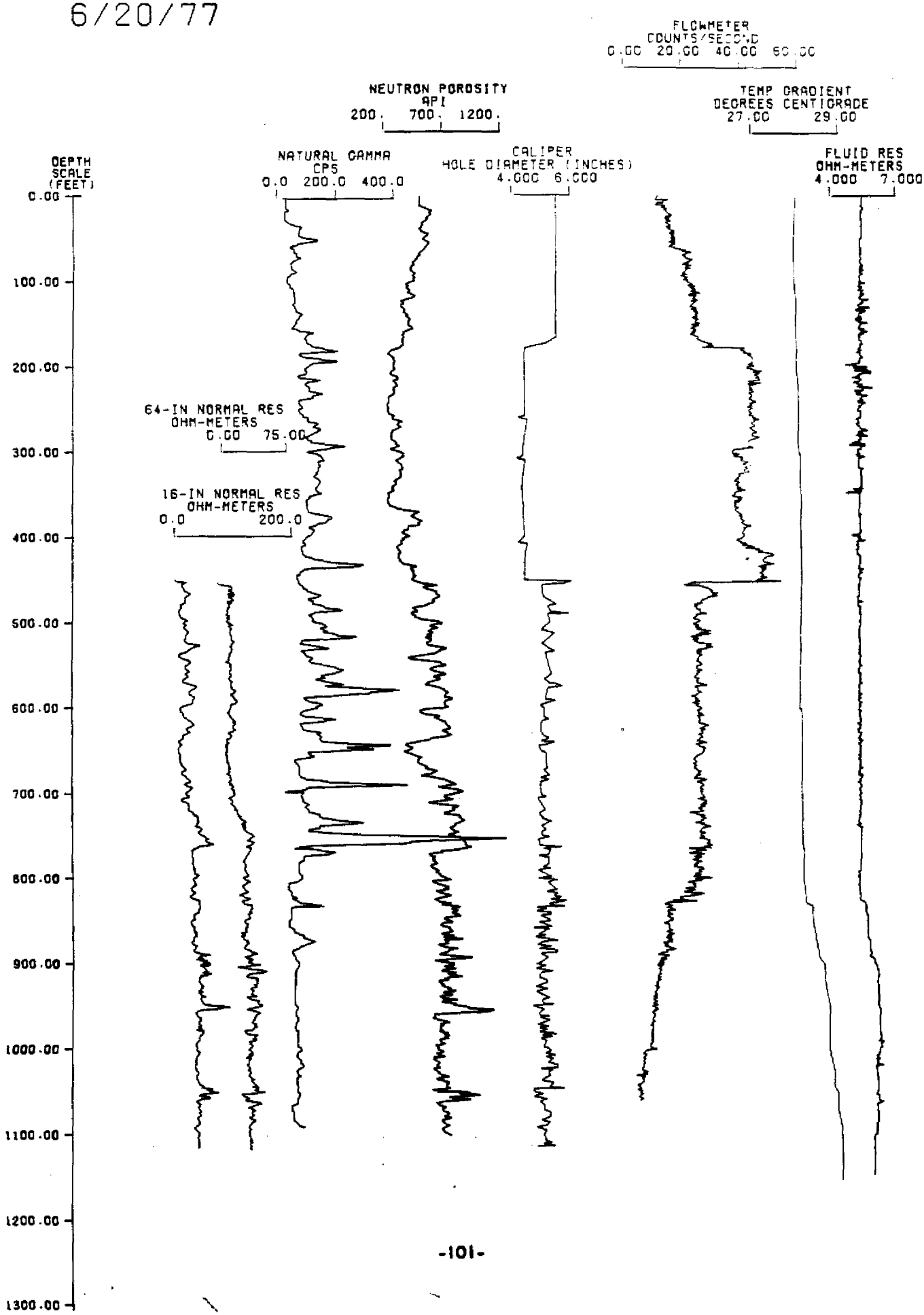
WELL NO. MF-10
1/17/78



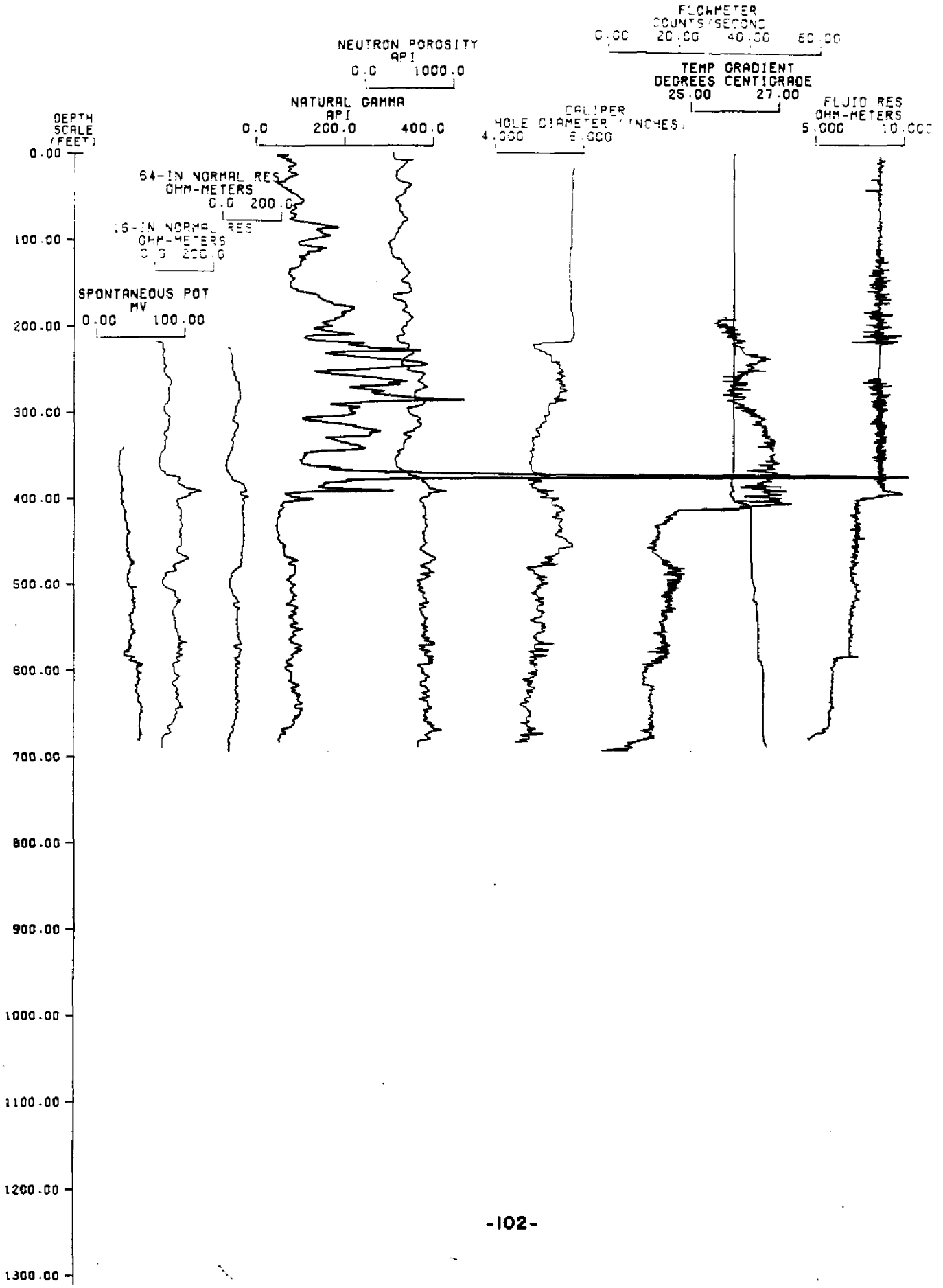
WELL NO. MF-20
5/16/79



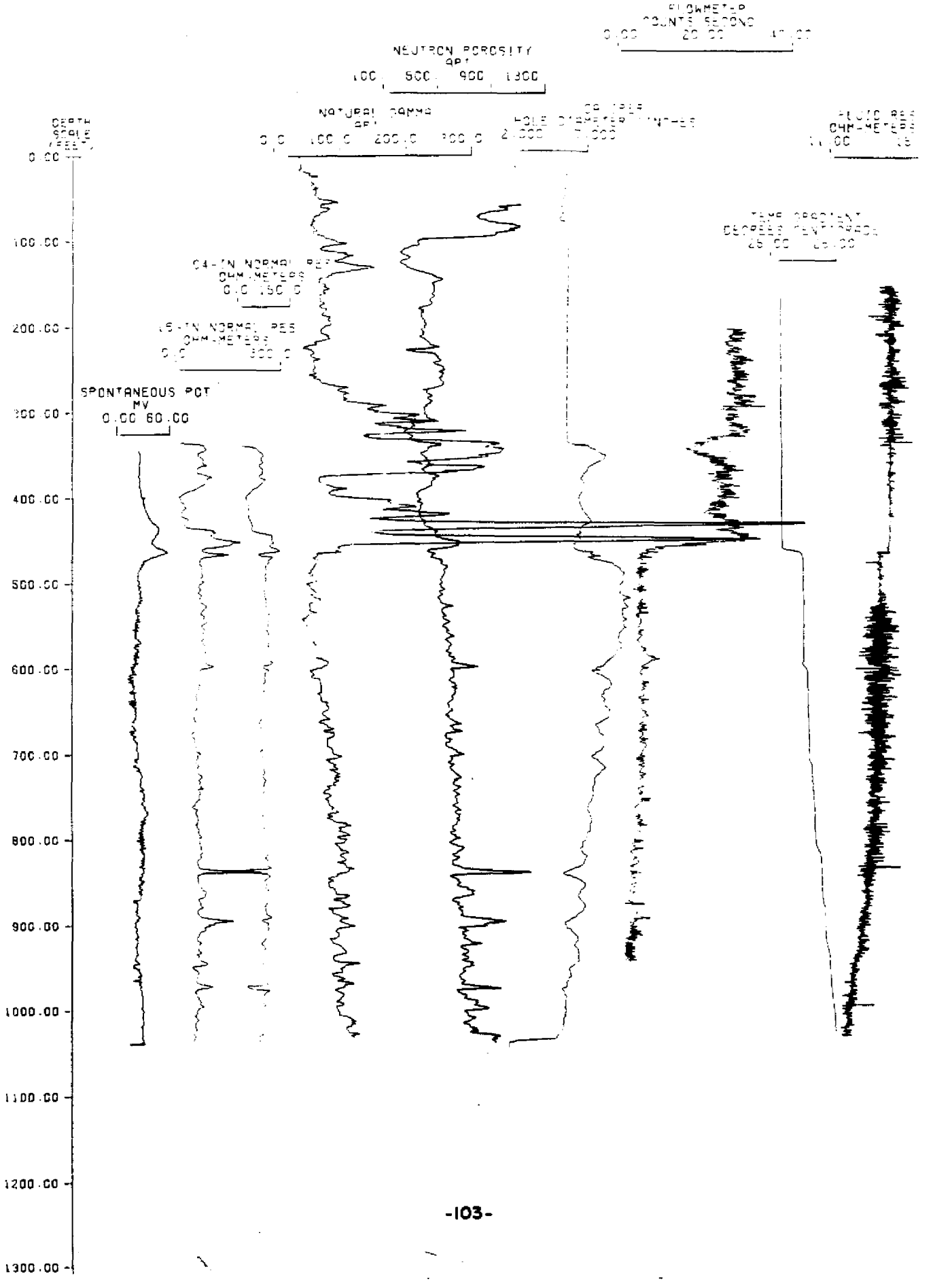
WELL NO. MF-23
6/20/77



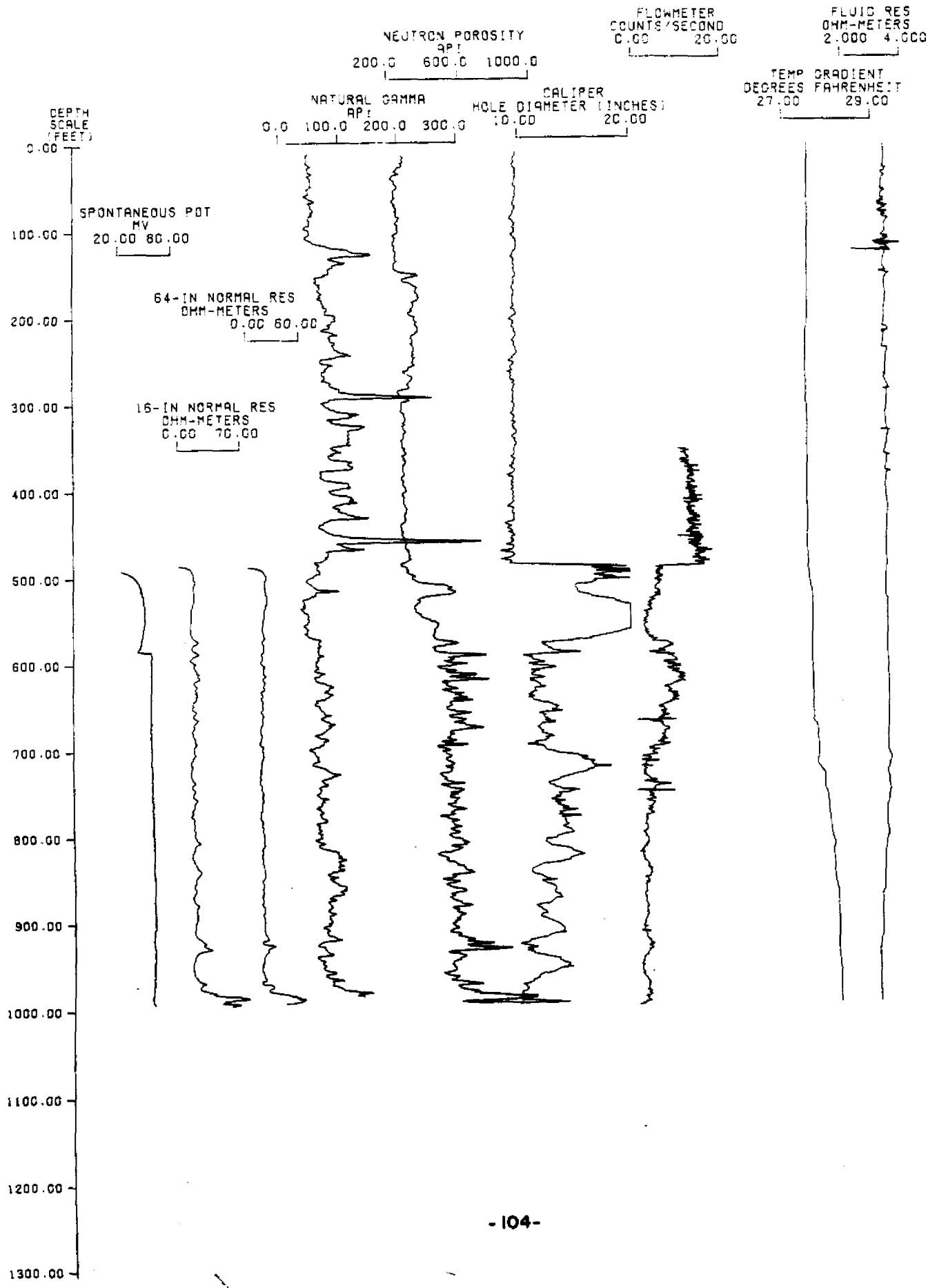
WELL NO. OKF-2
12/13/77



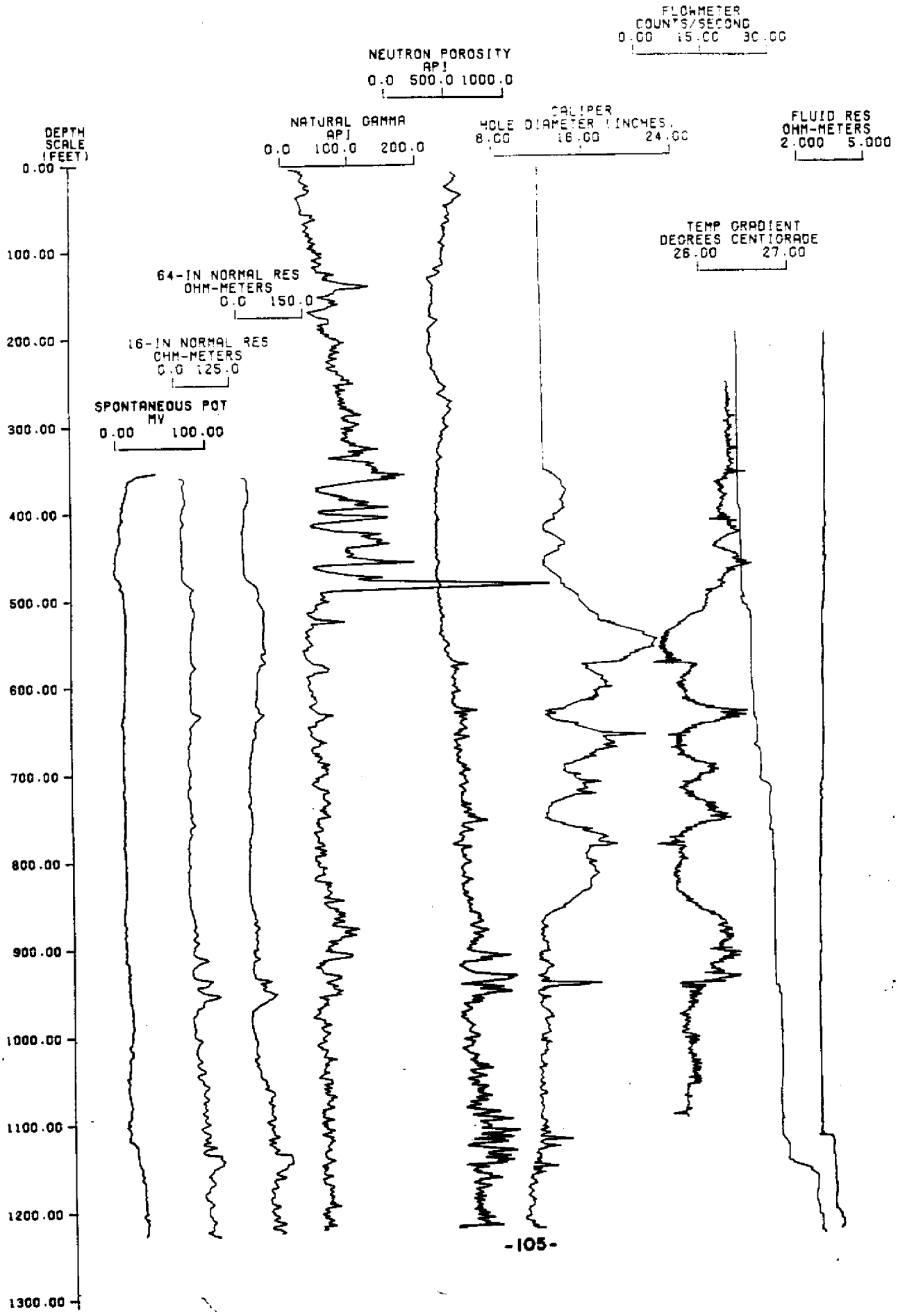
WELL NO. OKF-29
7/11/78



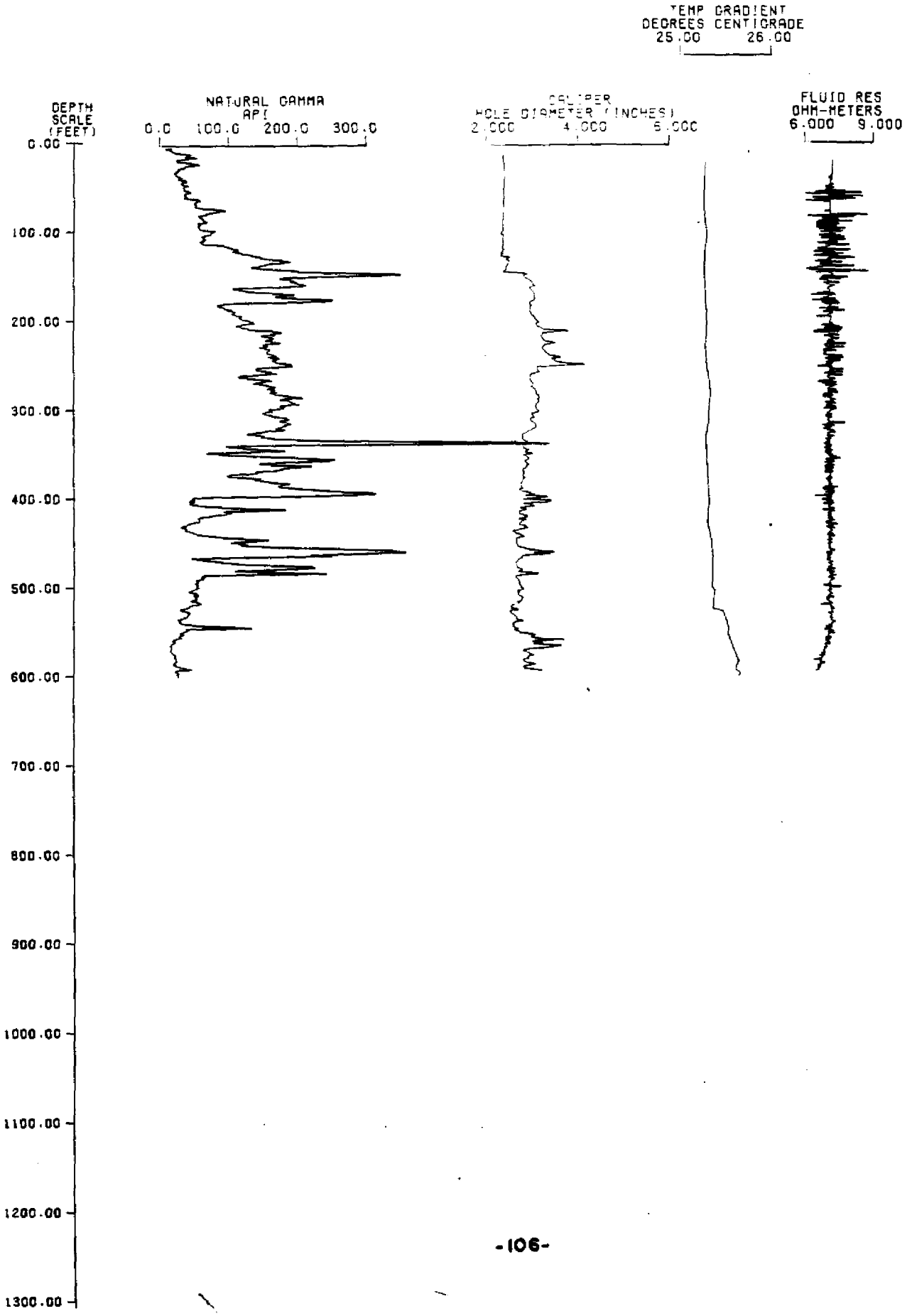
WELL NO. SLF-4
12/22/77



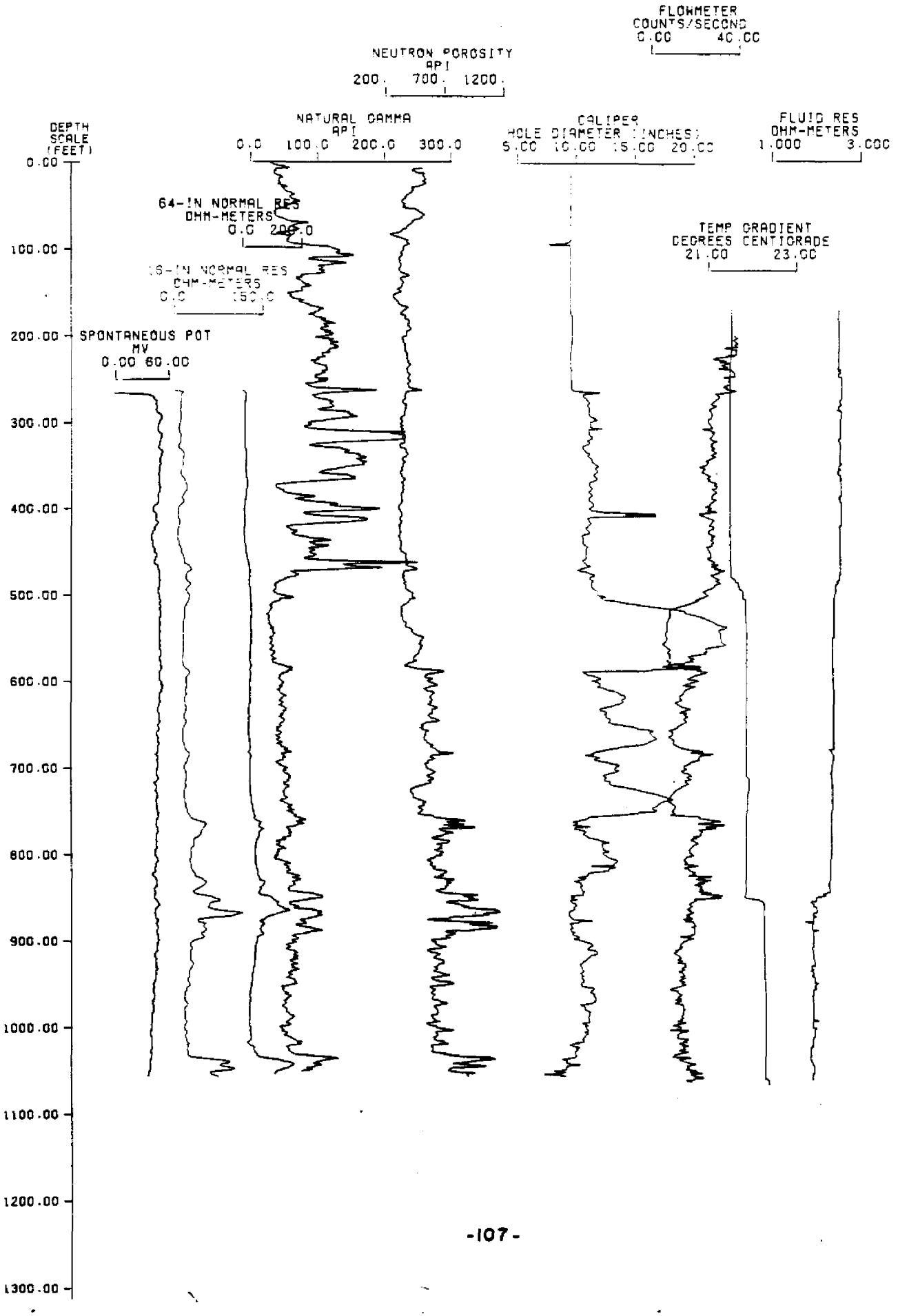
WELL NO. SLF-5
2/15/78



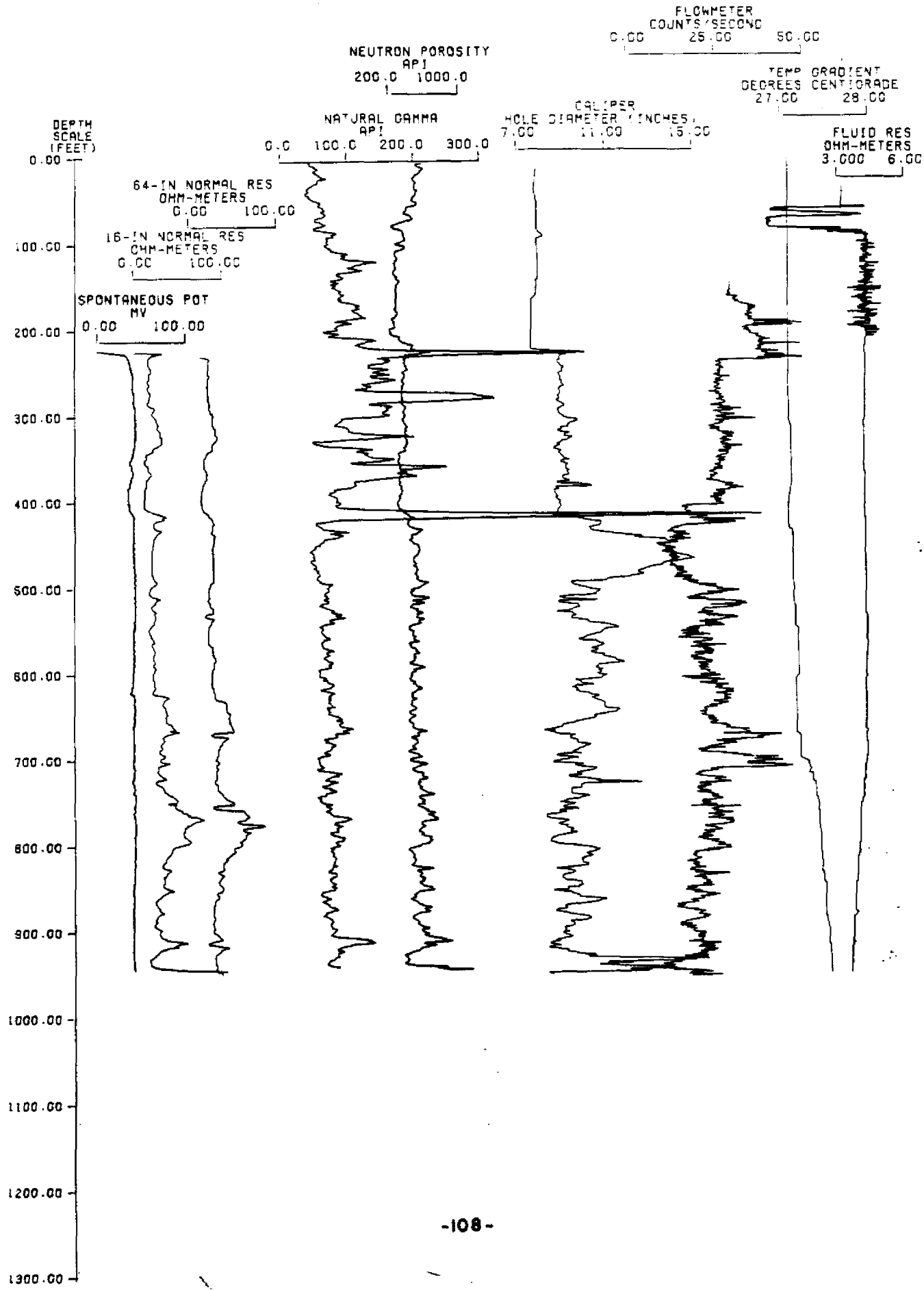
WELL NO. SLF-6
8/3/78



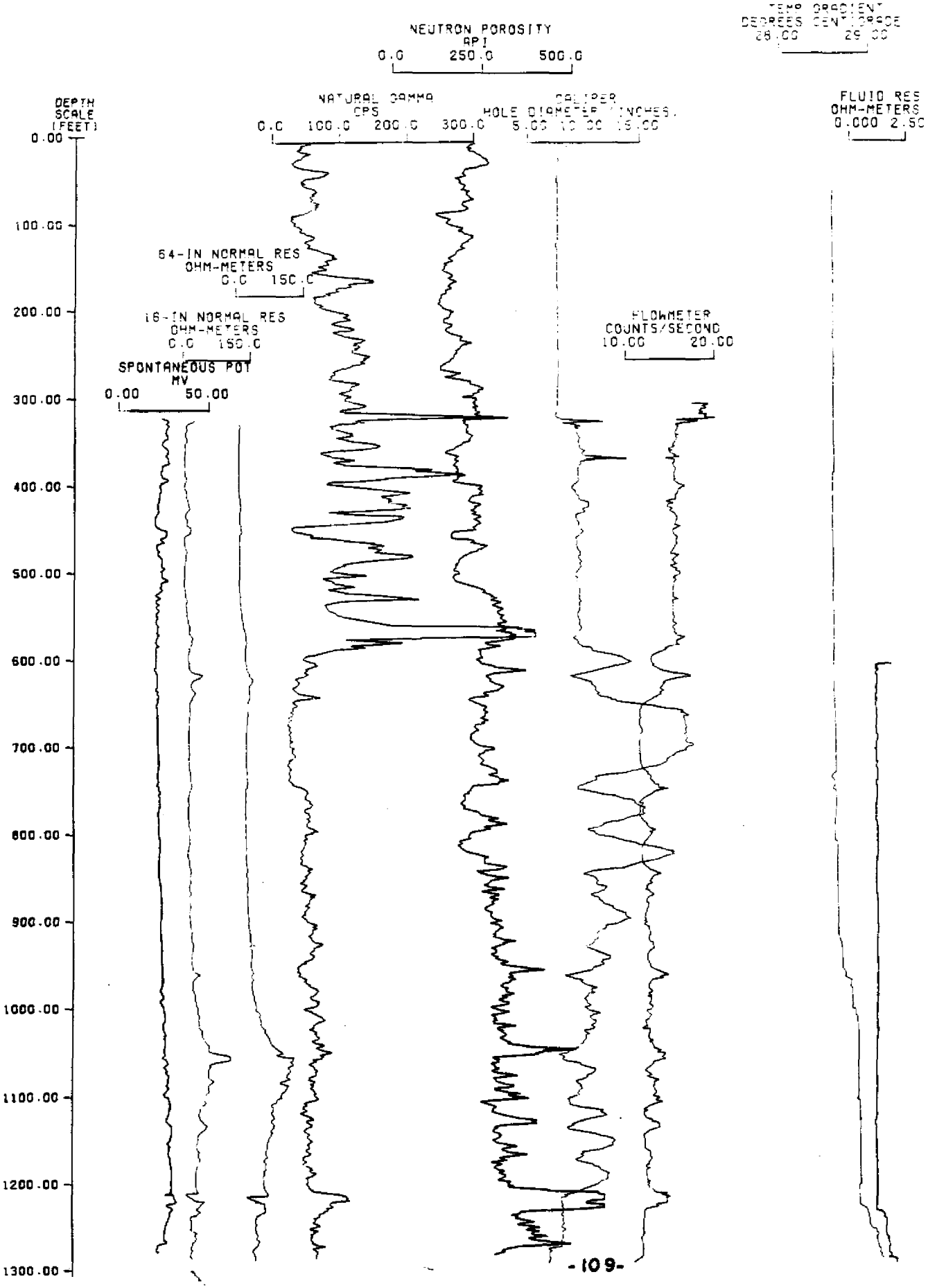
WELL NO. SLF-9
8/29/77



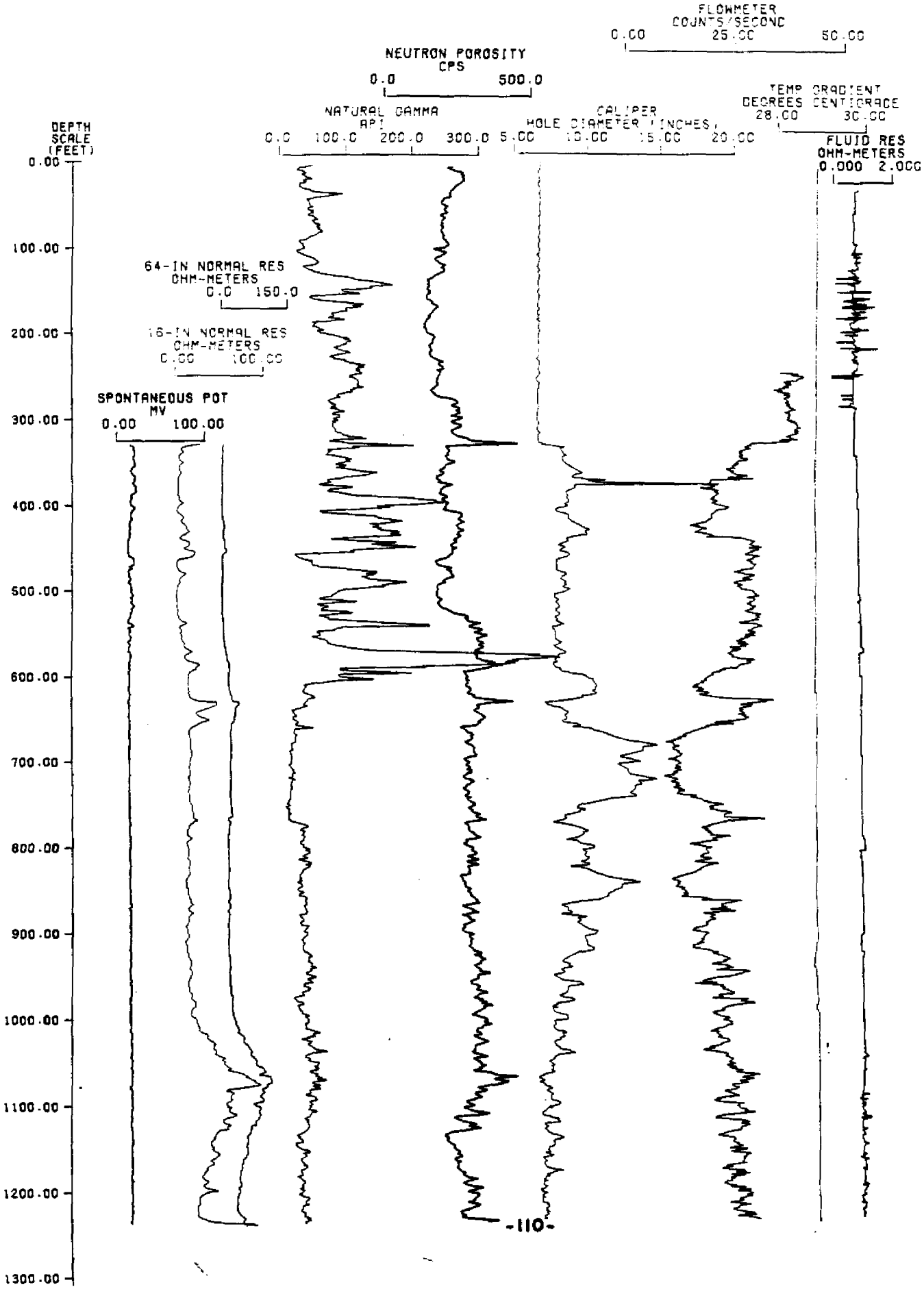
WELL NO. SLF-11
12/19/77



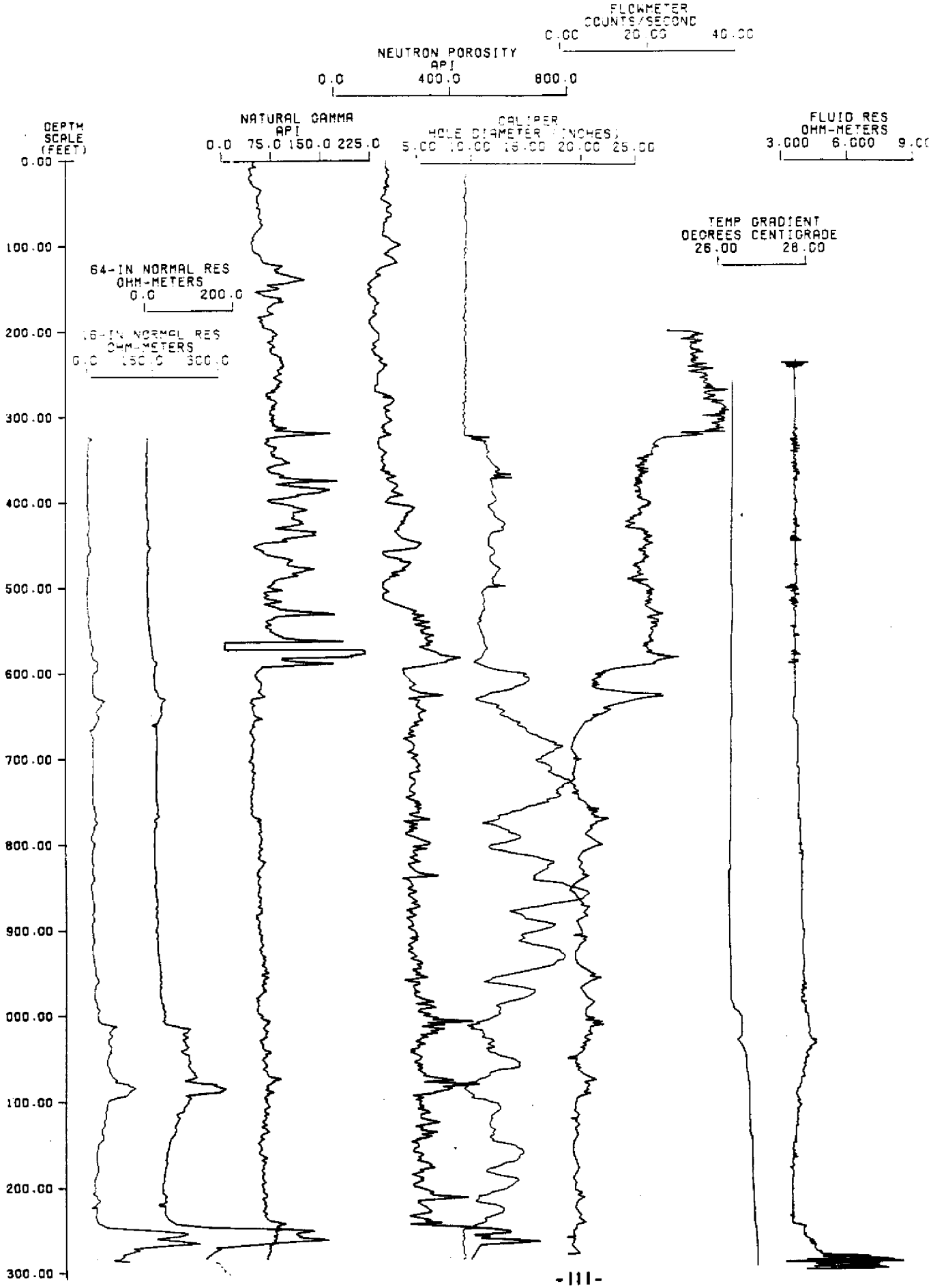
WELL NO. SLF-14
6/5/77



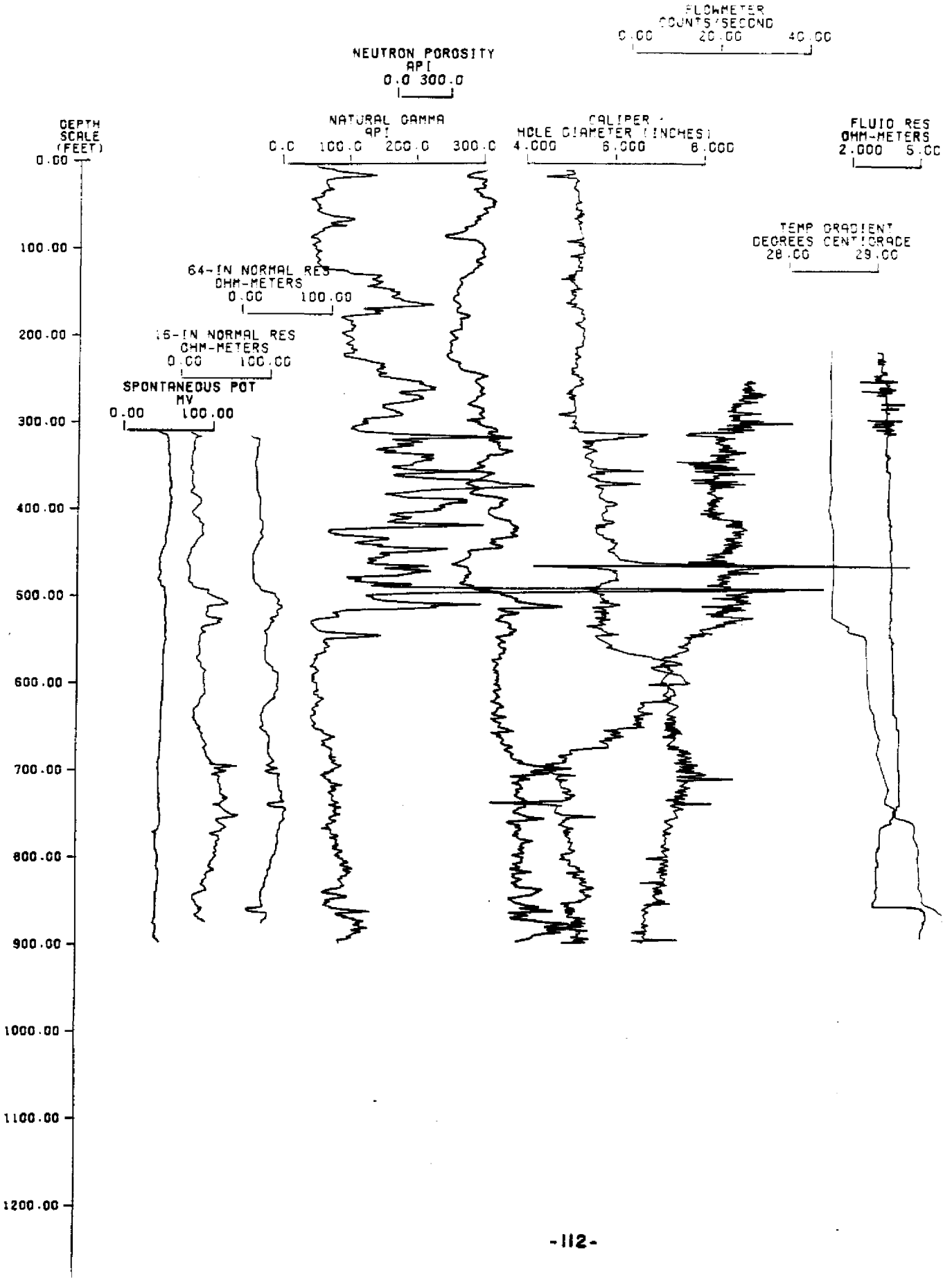
WELL NO. SLF-16
6/6/77



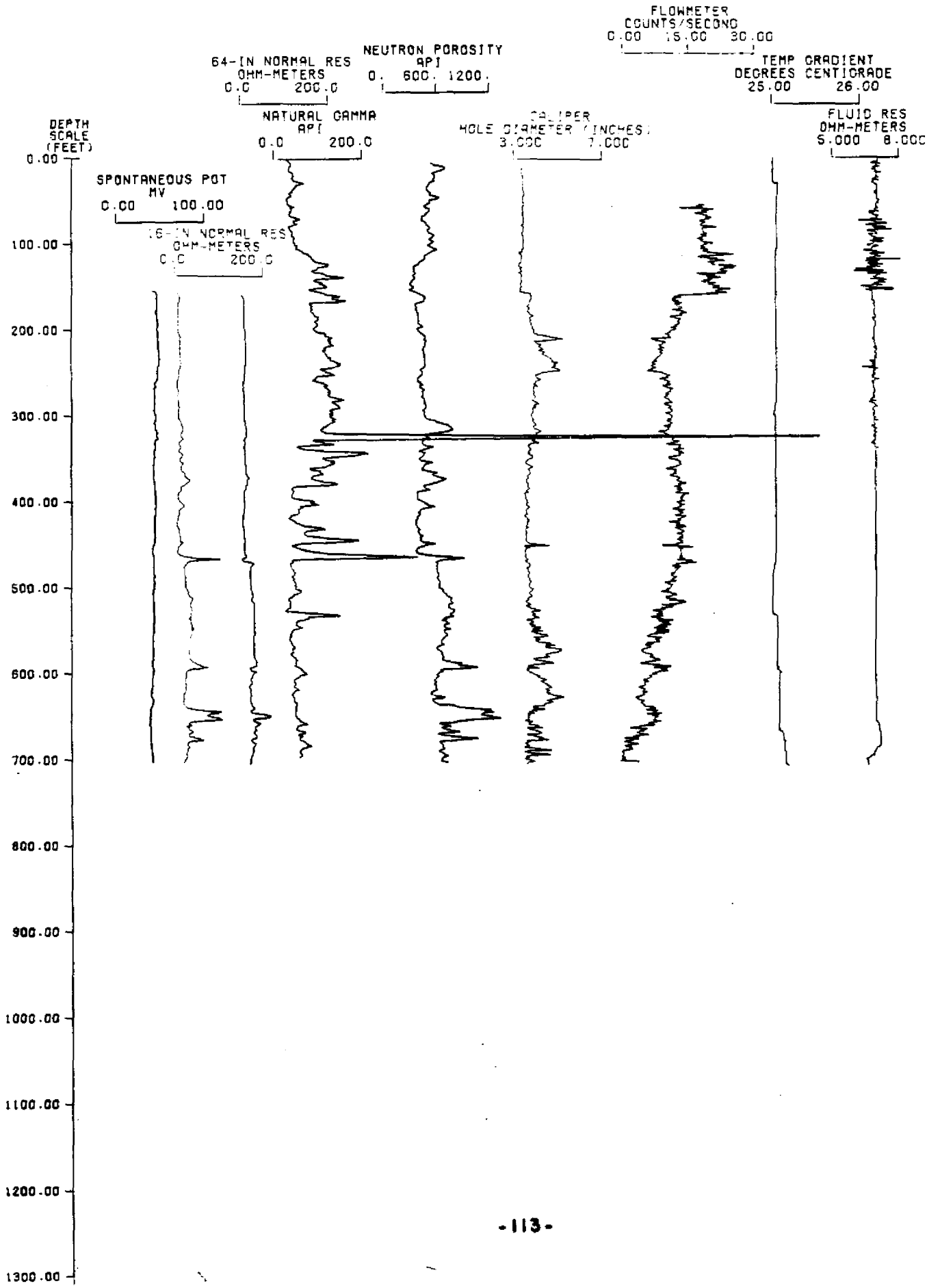
WELL NO. SLF-17
8/30/77



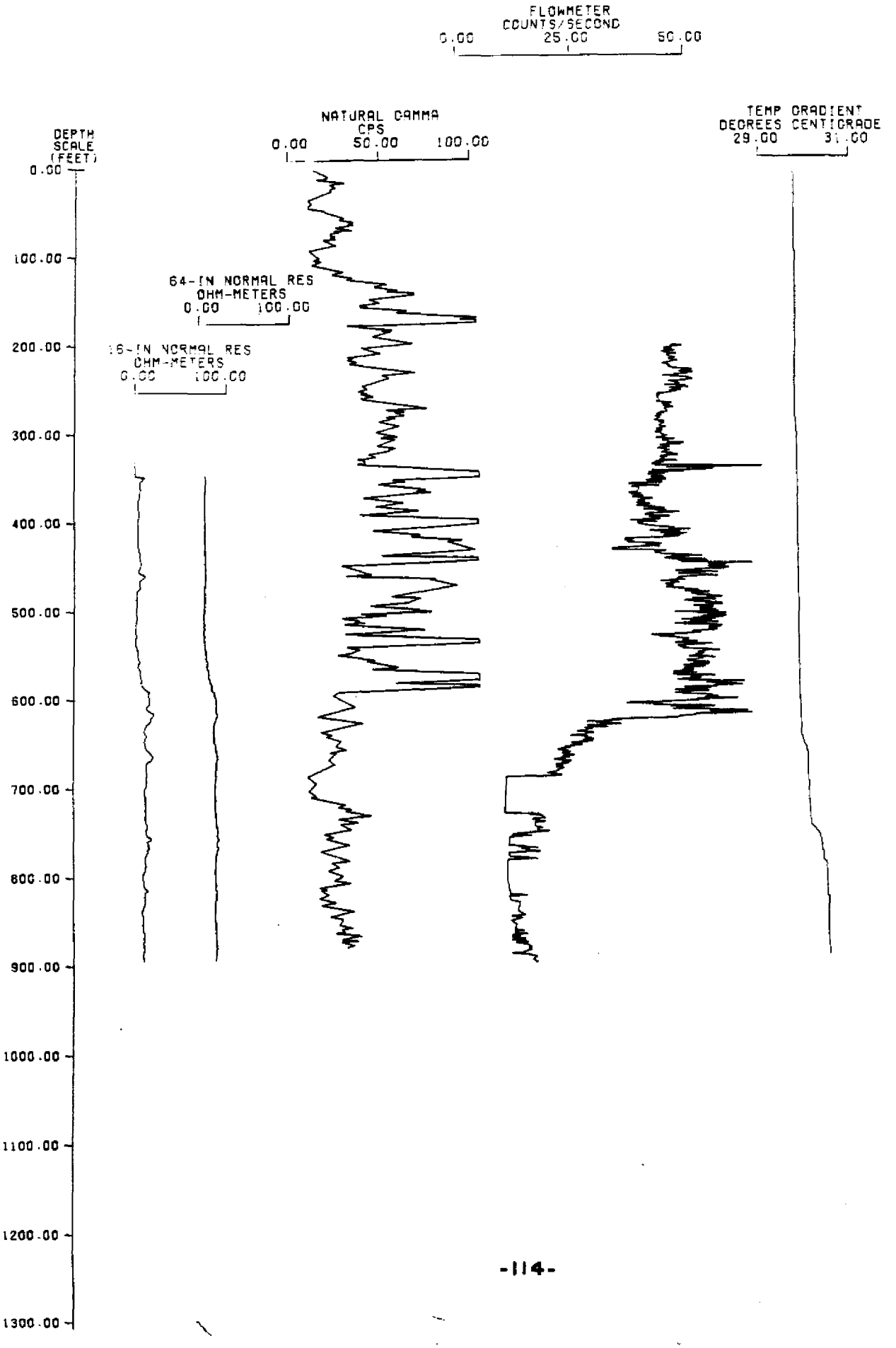
WELL NO. SLF-20
1/9/77



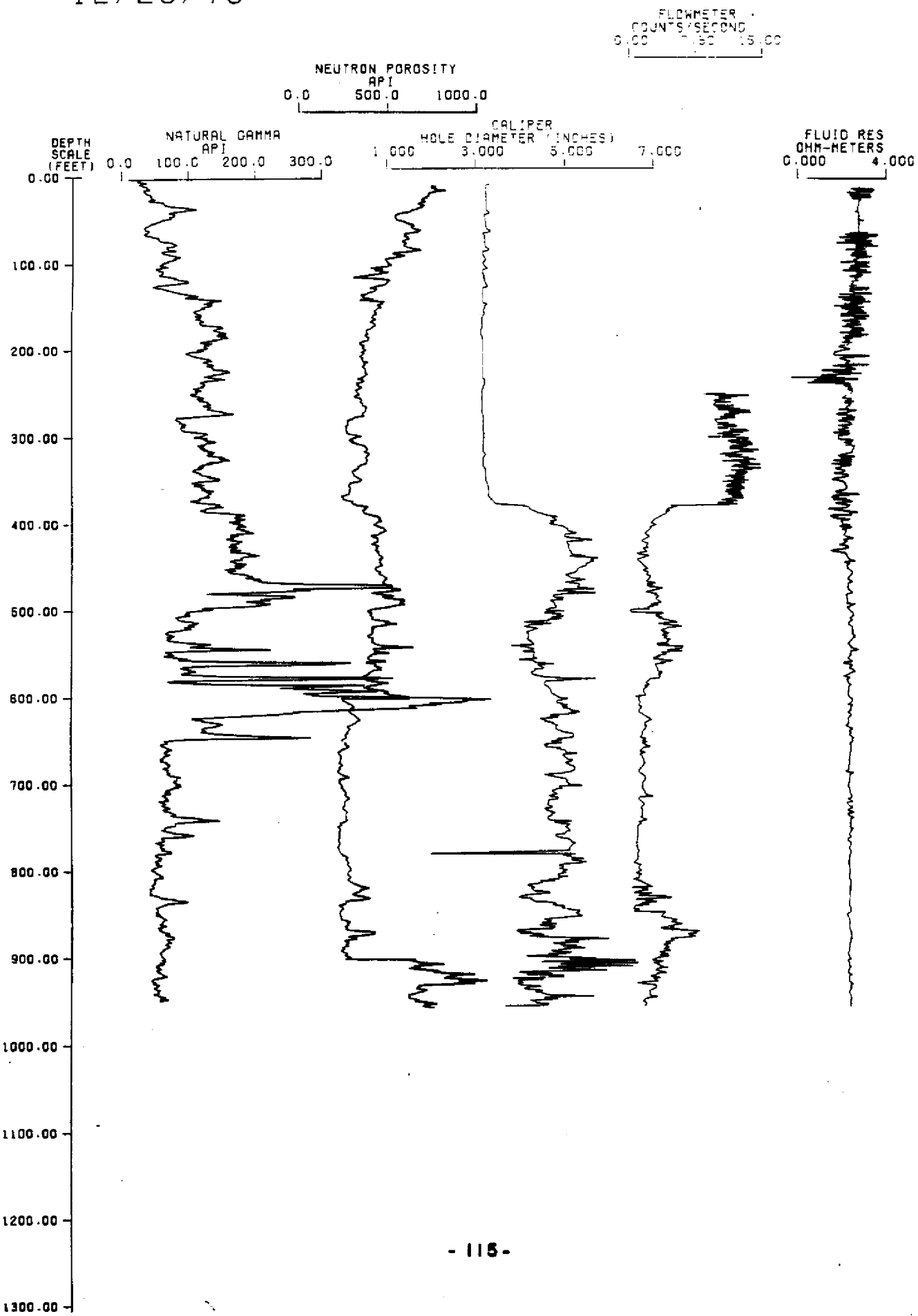
WELL NO. SLF-21
12/5/77



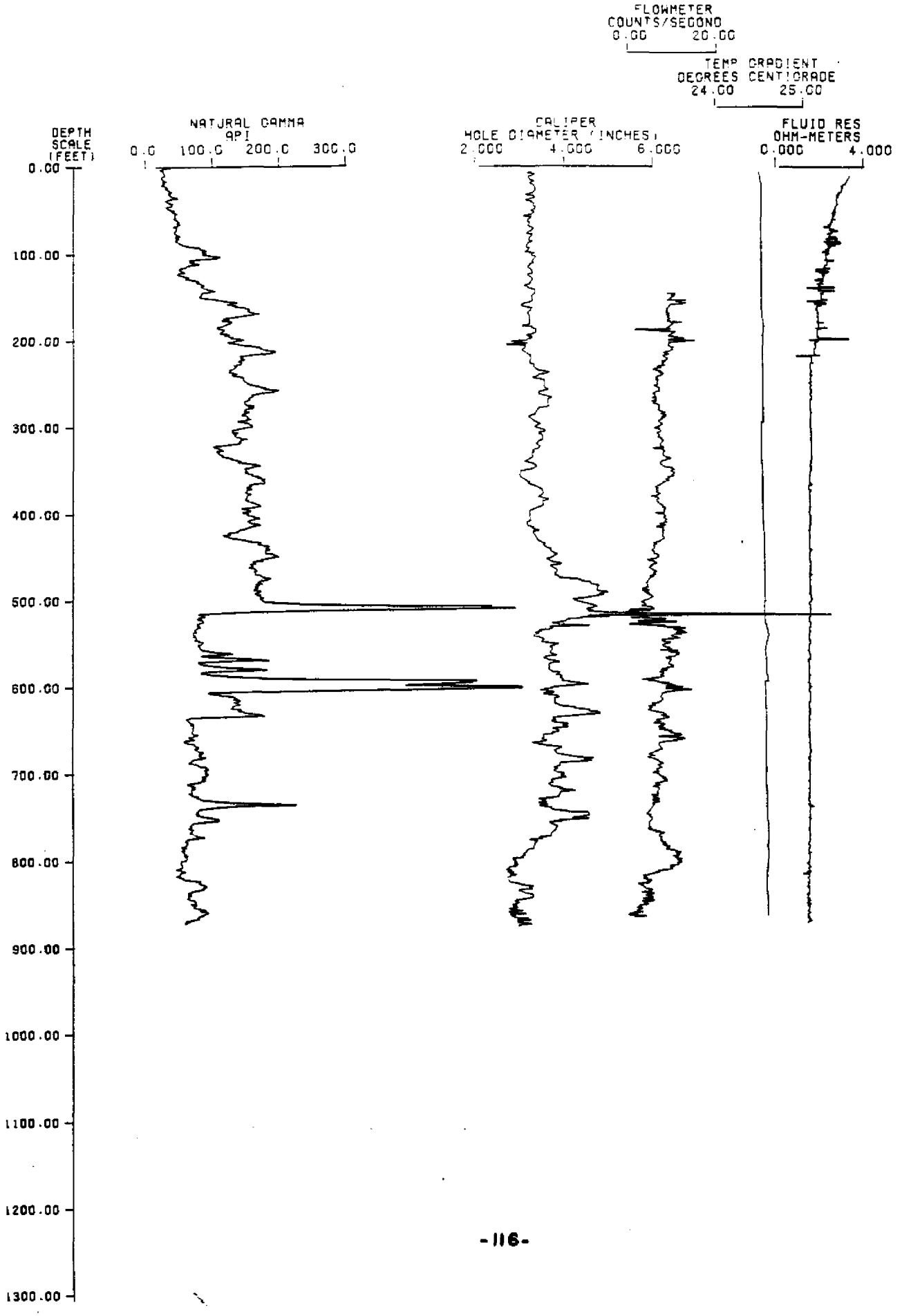
WELL NO. SLF-23
3/77



WELL NO. SLF-26
12/20/78



WELL NO. SLF-28
8/31/77



WELL NO. SLF-31
11/10/77