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by

Dennis E. Reece,[1] Roger Belles,[2] and Michael P. Brown[1]

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Groundwater Division[1]
Resource Planning Department
South Florida Water Management

Water Resources Division[2]
United States Geological Survey

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HYDROGEOLOGIC DATA COLLECTED FROM THE KISSIMMEE PLANNING AREA, SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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Dennis E. Reece, Roger Belles, and Michael P. Brown

ABSTRACT

The Floridan Aquifer System is the primary source of potable water in the populated northern part of the Kissimmee Planning Area of central Florida and the major source of water for agricultural use throughout the area. Because of the importance of the Floridan Aquifer System in the area, a reconnaissance study was conducted to collect data necessary to describe the geology, hydrologic properties, and water quality of the aquifer.

This report contains the following data: well descriptions for 130 wells; water level measurements for 122 wells; water level hydrographs for 7 wells; water quality analyses for 104 wells; specific capacity data for 11 wells; geologic descriptions of drill cuttings for 7 wells; and geophysical logs for 43 wells.

INTRODUCTION

The South Florida Water Management District's Kissimmee Planning Area (KPA), as of 1979, comprised 2,245 square miles including parts of Orange, Osceola, Polk, Okeechobee, Highlands, Glades, and Martin Counties (Figure 1).

The Floridan Aquifer System is the primary source of potable water in the northern half of the area. It is also the major source of water for citrus, pasture, dairy, livestock, and other agricultural water uses throughout the area.

Because of the importance of the Floridan Aquifer System in the KPA, the South Florida Water Management District (SFWMD) and the Water Resources Division of the United States Geological Survey (USGS) began a three year cooperative reconnaissance study in 1977 to collect data necessary to describe the geology, hydrologic properties, and water quality of the Floridan Aquifer System in the KPA. This report presents data collected during the study and historical data collected by the USGS in other related studies. The following data are included: (1) well descriptions and locations, (2) water level measurements, (3) selected well hydrographs, (4) water quality analyses, (5) specific capacity data, (6) geologic descriptions of drill cuttings, and (7) geophysical logs.

Data presented were collected from wells selected by the following criteria:

(1) Cooperation of owner.

(2) Likelihood of obtaining accurate water level measurements and representative water samples.

(3) Availability of well construction and geologic information.

(4) Deep penetration of aquifer.

(5) Suitability for installation of water level recorder.

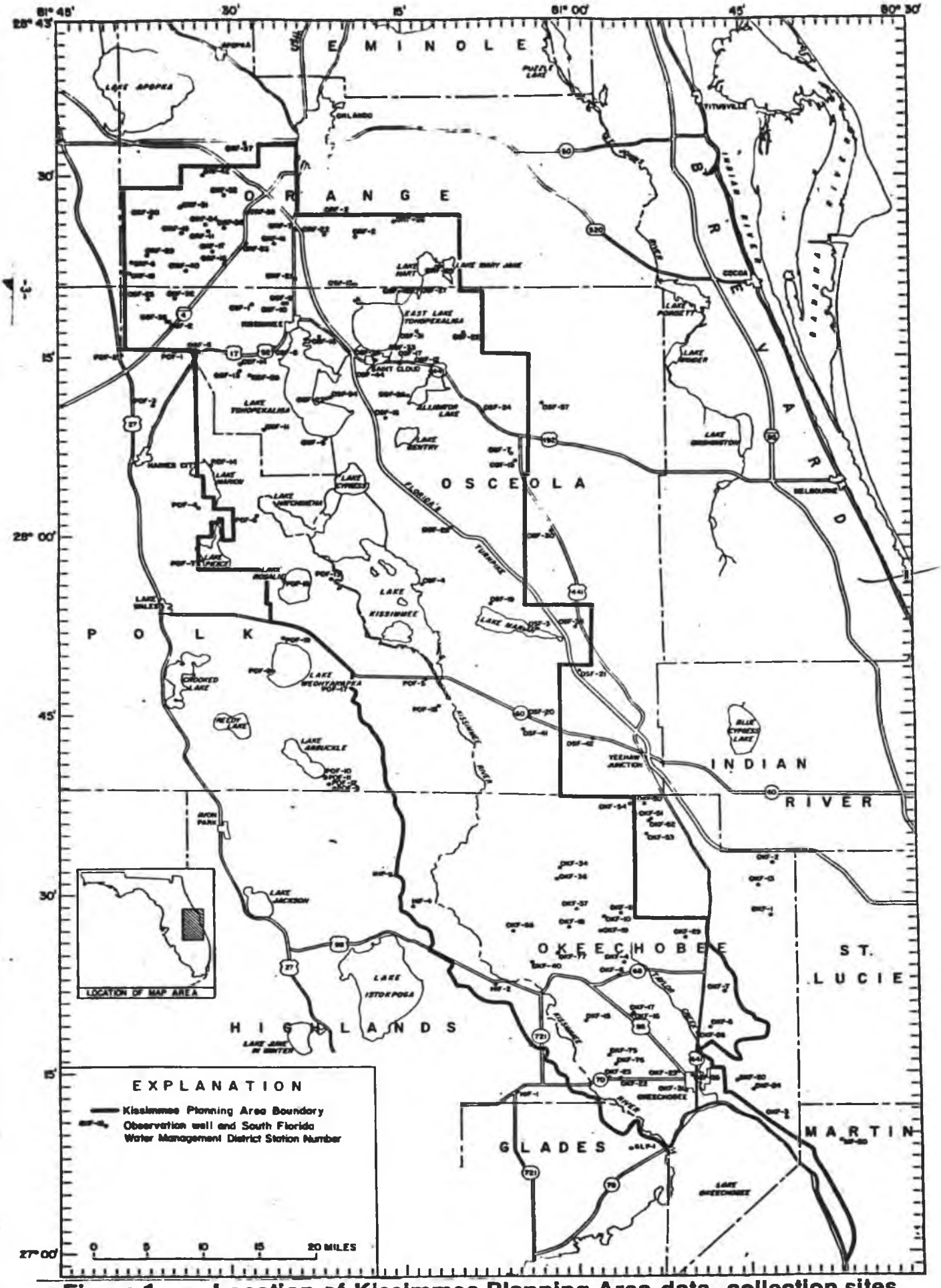


Figure 1.——Location of Kissimmee Planning Area data-collection sites.

(6) Access for borehole geophysical logging.

(7) Suitability for specific capacity testing.

(8) Geographic distribution of wells.

Not all wells were suitable for collection of each specified type of data.

ACKNOWLEDGMENTS

Appreciation is extended to the residents of Okeechobee, Osceola, Orange, Polk, Highlands, Glades, and Martin Counties who allowed access to and use of their wells during this study. Acknowledgments are given to the following well drillers who furnished cuttings and other valuable information: McCullers and Howard Drilling, Inc., of Vero Beach, Florida; Central Florida Well Drillers of Orlando, Florida; and Locke Well Drillers also of Orlando, Florida. Appreciation is extended to the technical and professional staff of the Groundwater Division, South Florida Water Management District, who assisted in collection and compilation of data and review of the manuscript. A special mention should be made of Jon E. Shaw who assisted in the final completion of the report.

All work was completed under a cooperative program between SFWMD and USGS, and supervised by Abe Kreitman, Director, Groundwater Division, South Florida Water Management District and Robert Miller, Chief, Hydrologic Studies Section, Orlando, Florida, Subdistrict, U. S. Geological Survey.

WELL LOCATIONS AND DESCRIPTIONS

Locations of wells tabulated in this study are shown in Figure 1. Table 1 lists the well station number and location, depth of well, source of depth information, casing depth and diameter, type of pump, and ownership. All wells are identified by a USGS well number and a SFWMD well number. The SFWMD well number is used throughout this report to identify wells.

TABLE 1.--WELL LOCATIONS AND DESCRIPTIONS

SFWMD STATION NUMBER	USGS STATION NUMBER	LAT-ITUDE	LONG-ITUDE	SECTION-TOWNSHIP-RANGE	DEPTH OF WELL (FT)	SOURCE OF DEPTH	DEPTH OF CASING (FT)	CASING DIAM-ETER (IN)	TYPE OF PUMP	NAME OF OWNER
COUNTY=GLADES										
GLF- 1	270648080532401	C70648	805324	28-39S-34E	524	LOGS	464	5	NONE	JOHN PEARCE
COUNTY=HIGHLANDS										
HIF- 1	271349081052001	C71335	810520	26-37S-32E	540	OWNER	*	3	NONE	LYKES BROS. INC.
HIF- 2	272247081070701	C72237	810707	03-39S-32E	400	OWNER	*	5		LYKES BROS. INC.
HIF- 3	271146081154201	C71136	811542	19-38S-31E	1200	OWNER	*	12	TURBINE	CLAUDE NEWERTON
HIF- 4	272948081142001	C72466	811420	28-38S-31E	1300	OWNER	*	4	TURBINE	CARLOS FALLA JR.
COUNTY=MARTIN										
MF-20	270419080365001	C70419	803650	27-38S-37E	1205	LOGS	739	6	NONE	BOB'S GROVES
COUNTY=OKEECHOBEE										
OKF- 1	272615080462401	C72615	804624	03-39S-30E	*		*	4	NONE	CHARLES SCOTT RANCH
OKF- 2	273248080462401	C73238	804624	03-39S-30E	805	LOGS	715	5	NONE	EVANS
OKF- 3	271110080461401	C71114	804614	32-36S-30E	835	LOGS	420	3	NONE	JIM ENRICO
OKF- 4	272427080553301	C72427	805533	21-35S-34E	*		*	3	NONE	CLARENCE LOFTON
OKF- 5	271650080482001	C71633	804820	28-36S-33E	*		*	3	NONE	FRANK WILLIAMSON JR.
OKF- 6	272318080561901	C72318	805619	31-35S-34E	475	LOGS	417	3	NONE	CLARENCE LOFTON
OKF- 7	272156080470401	C72156	804704	01-36S-33E	48645	LOGS	412	3	NONE	ROGER JONES
OKF- 9	272033080560301	C72033	805603	33-34S-34E	870	OWNER	*	10	NONE	GRIFFITH RANCH
OKF-10	272017080560301	C72017	805632	31-34S-34E	*		*	3	NONE	GRIFFITH RANCH
OKF-13	273063080440001	C73063	804400	21-34S-30E	*		*	10	NONE	FRANK WILLIAMSON JR.
OKF-15	271934080561301	C71934	805613	24-36S-34E	1500	OWNER	*	5	NONE	CURTIS WALDRON
OKF-16	272003080561301	C72003	805613	15-36S-34E	*		*	4	NONE	LAWSON DAIRY
OKF-17	272010080550501	C72010	805505	12-36S-34E	965	LOGS	938	5	NONE	LAWSON DAIRY
OKF-18	272726081003401	C72726	810034	03-39S-33E	1015	LOGS	953	5	NONE	OSCAR BASS
OKF-19	272701080575501	C72701	805755	03-40S-34E	980	LOGS	933	5	NONE	ELWYN BASS
OKF-22	271439080565301	C71439	805653	16-37S-34E	700	OWNER	*	5	NONE	C.E. NEWCOMER
OKF-23	271914080511501	C71914	805115	17-37S-33E	965	MILLER	935	5	NONE	BOB FLOYD
OKF-24	271340080444001	C71340	804440	29-37S-30E	1440	MILLER	911	5	NONE	MONROE CHANDLER
OKF-25	271438080571901	C71438	805719	17-37S-34E	*		*	5	NONE	C.E. NEWCOMER
OKF-26	271930080443301	C71836	804433	27-36S-33E	860	OWNER	*	10	TURBINE	FLORIDA SCHOOL FOR BOYS
OKF-27	271830080443301	C71830	804433	23-36S-33E	910	OWNER	877	*	TURBINE	FLORIDA SCHOOL FOR BOYS
OKF-29	272610080503001	C72630	805030	08-39S-33E	1030	LOGS	935	5	NONE	MCARTHUR DAIRY
OKF-30	271410080451201	C71405	804510	10-38S-32E	*		*	3	NONE	MURRAY WHITE DAIRY
OKF-31	271340080504001	C71340	805040	28-37S-33E	1079	OWNER	*	5	NONE	ROBERT L. LAMARTIN
OKF-34	273617081012501	C73617	810125	09-39S-33E	1143	LOGS	975	10	NONE	COMMUNITIES FINANCIAL
OKF-35	271456080500701	C71436	805007	16-37S-33E	1351	OWNER	*	5	NONE	B.P. AGNEY
OKF-36	273129080161401	C73122	810140	29-39S-33E	850	LOGS	140	10	NONE	COMMUNITIES FINANCIAL
OKF-37	272852080595501	C72852	805958	20-39S-33E	1037	LOGS	900	5	NONE	COMMUNITIES FINANCIAL
OKF-40	272430081053501	C72430	810535	19-38S-33E	*		500	5	TURBINE	LAWSON DAIRY
OKF-50	273740080535101	C73740	805356	06-39S-34E	*		*	*	TURBINE	PETE FITE
OKF-51	273642080535601	C73625	805365	14-39S-34E	*		*	*	TURBINE	PETE FITE
OKF-52	273604080533301	C73614	805336	14-39S-34E	*		*	*	TURBINE	PETE FITE
OKF-53	273502080535301	C73509	805347	23-39S-34E	*		*	*	TURBINE	PETE FITE
OKF-54	273740080531601	C73740	805316	03-39S-34E	975	LOGS	650	12	NONE	PETE FITE
OKF-56	272704081053301	C72704	810533	02-39S-33E	*		*	10	TURBINE	PETE CLEMONS
OKF-75	271640080571501	C71640	805715	05-37S-34E	1160	OWNER	*	5	CENTRIFUGAL	PELAEZ AND SONS
OKF-76	271552080564201	C71552	805642	08-37S-34E	1100	OWNER	*	5	CENTRIFUGAL	PELAEZ AND SONS
OKF-77	272512081014001	C72512	810140	21-35S-33E	1160	OWNER	*	5	TURBINE	CHRISTINA P. MOORE
COUNTY=ORANGE										
ORF- 1	282508081185502	C82508	811855	09-24S-30E	400	OTHER	*	3	NONE	CITY OF ORLANDO
ORF- 2	282704081214301	C82704	812143	23-23S-29E	455	UNKNOWN	*	3	NONE	ORANGE COUNTY
ORF- 6	282257081363201	C82257	813632	14-24S-27E	*		*	6	NONE	UNKNOWN
ORF- 7	282545081240901	C82545	812409	03-24S-29E	456	LOGS	210	4	NONE	FLORIDA D.O.T.
ORF-11	282549081315001	C82539	813150	03-24S-28E	432	UNKNOWN	107	5	NONE	U. S. FREESOIL
ORF-15	282051081183401	C82031	811834	34-24S-30E	400	LOGS	149	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-16	282250081302101	C82230	813021	27-24S-28E	252	DRILLER	171	4	NONE	M.Cole.Jr.
ORF-17	282354081313001	C82354	813130	17-24S-28E	281	DRILLER	143	4	NONE	M.Cole.Jr.
ORF-18	282528081340901	C82528	813409	01-24S-27E	223	DRILLER	104	5	NONE	M.Cole.Jr.
ORF-19	282226081394601	C82226	813946	30-23S-27E	315	DRILLER	133	5	NONE	U.S. GEOLOGICAL SURVEY
ORF-21	282141081241701	C82141	812417	34-24S-29E	435	DRILLER	317	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-22	282521081214201	C82521	812142	01-24S-29E	467	DRILLER	232	5	NONE	FLA. RANCH LANDS, INC.
ORF-25	282241081112801	C82241	811128	24-24S-31E	302	LOGS	240	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-26	282556081302401	C82556	813024	34-24S-29E	238	DRILLER	130	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-29	282331081370801	C82331	813708	22-23S-26E	166	DRILLER	66	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-30	282047081354901	C82047	813549	33-23S-27E	135	UNKNOWN	90	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-31	282736081341401	C82736	813414	25-23S-27E	132	LOGS	103	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-32	282855081305201	C82854	813026	22-23S-28E	235	LOGS	161	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-33	282434081283101	C82434	812831	11-24S-29E	235	LOGS	154	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-34	282011081320501	C82011	813205	32-23S-29E	140	LOGS	95	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-35	282709081283001	C82709	812830	27-23S-28E	235	DRILLER	66	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-36	282624081153801	C82623	811538	31-23S-31E	437	LOGS	245	4	NONE	U.S. GEOLOGICAL SURVEY

TABLE 1.--WELL LOCATIONS AND DESCRIPTIONS--CONT.

SFWMD STATION NUMBER	USGS STATION NUMBER	LAT-ITUDE	LONG-ITUDE	SECTION-TOWNSHIP-RANGE	DEPTH OF WELL (FT)	SOURCE OF DEPTH	DEPTH OF CASING (FT)	CASING DIAM-ETER (IN)	TYPE OF PUMP	NAME OF OWNER
COUNTY=ORANGE										
ORF-37	283253081283401	283253	812834	28-22S-28E	350	DRILLER	328	5	NONE	ORANGE CO
ORF-40	282218081335001	282218	813350	23-24S-29E	141	OWNER	120	3	NONE	M.C.I.J.
ORF-41	282443081260301	282439	812603	09-24S-29E	203	LOGS	131	4	NONE	U.S. GEOLOGICAL SURVEY
ORF-42	283018081321901	283018	813218	03-23S-28E	409	DRILLER	124.3	3		ORLANDO UTILITIES
COUNTY=OSCEOLA										
OSF- 1	281431081250301	281431	812503	12-24S-29E	475	OWNER	.	4	NONE	KISSIMMEE U.D.A.
OSF- 2	281802081351501	281802	813516	23-23S-27E	430	OWNER	.	10	NONE	HELLER BROS. INC
OSF- 3	273222081030701	273222	810307	18-30S-31E	310	LOGS	243	4	NONE	U. S. GEOLOGICAL SURVEY
OSF- 4	275604081132001	275604	811320	28-29S-31E	400	DRILLER	287	4	SUBMERSIBLE	JOE OVERSTREET
OSF- 5	281546081324501	281536	813248	31-23S-29E	281	LOGS	53	5	CENTRIFUGAL	FLORIDA POWER CORP.
OSF- 6	280820081213901	280820	812139	13-27S-29E	315	DRILLER	175	4	SUBMERSIBLE	S. FL. WATER MGT. DIST.
OSF- 7	280709081052201	280709	810522	22-27S-32E	.	.	.	.	TURBINE	BILLY MALONE
OSF- 8	281559081260701	281559	812607	32-23S-29E	200	OTHER	.	4	NONE	CHARLES E. MOORE JR.
OSF- 9	281937081245901	281937	812459	09-25S-29E	1140	LOGS	203	16	TURBINE	CITY OF KISSIMMEE
OSF-10	281937081250101	281937	812501	09-25S-29E	458	DRILLER	278	16	TURBINE	CITY OF KISSIMMEE
OSF-11	280905081270101	280905	812701	05-27S-29E	399	LOGS	139	5	NONE	POINCIANA DEVELOPMENT
OSF-12	281443081140301	281443	811403	06-26S-31E	406	OTHER	.	4	SUBMERSIBLE	FLA. DEPT. OF FORESTRY
OSF-13	281356081240901	281356	812409	11-26S-29E	360	OWNER	.	5	NONE	MAM BROWN
OSF-14	281429081290501	281429	812905	11-26S-29E	.	.	.	5	NONE	MAM BROWN
OSF-15	280842081050101	280842	810501	20-27S-32E	715	DRILLER	394	8	SUBMERSIBLE	ROMEN GROVES INC.
OSF-16	281653081211101	281653	812111	25-25S-29E	700	OTHER	.	12		COCA COLA FOOD DIV.
OSF-17	281440081130901	281440	811309	07-26S-31E	535	OTHER	360	12	TURBINE	COCA COLA FOOD DIV.
OSF-18	281006081162501	281006	811625	01-27S-30E	360	OWNER	.	4	SUBMERSIBLE	THOMAS SCHEIDT
OSF-19	273429081071301	273429	810719	04-30S-32E	315	LOGS	234	4	SUBMERSIBLE	PRAIRIE LAKE STATE PARK
OSF-20	274500081040001	274500	810400	30-31S-33E	.	.	.	.	TURBINE	ALTO ADAMS
OSF-21	274856081059401	274856	810544	07-31S-33E	800	OWNER	.	10	TURBINE	MAJL MAYMAN
OSF-22	281714081093001	281714	810930	30-25S-32E	750	LOGS	344	5	NONE	U.A.C.
OSF-23	281144081213001	281144	812130	30-26S-30E	550	DRILLER	240	10	TURBINE	IVEY GROVES INC.
OSF-24	281017081071501	281017	810751	36-26S-32E	457	LOGS	282	5	NONE	MAY SALES COMPANY
OSF-25	281959081370701	281959	813707	11-25S-27E	300	LOGS	99	5	SUBMERSIBLE	MOLIDAY INNS INC.
OSF-26	281159081142501	281159	811426	24-26S-31E	625	LOGS	322	10	TURBINE	CLARENCE W. JOHNS
OSF-27	282051081133201	282051	811332	04-29S-31E	403	LOGS	273	5	SUBMERSIBLE	LAKE AJAY ESTATES
OSF-28	281341081213401	281341	812134	13-26S-30E	.	.	.	5	SUBMERSIBLE	MAM BROWN
OSF-29	280954081103901	280954	811039	25-26S-31E	500	OWNER	.	5	TURBINE	GLENN PADGETT
OSF-30	280033081015601	280033	810156	33-26S-33E	800	OWNER	.	10	TURBINE	O'DELL BRONSON
OSF-31	281719081134001	281719	811340	20-25S-31E	474	LOGS	434	5	SUBMERSIBLE	LARMOL FULMER
OSF-32	282000081344501	282000	811445	02-25E-27E	150	DRILLER	72.3	4	NONE	U.S. GEOLOGICAL SURVEY
OSF-33	281456081161101	281456	811611	01-26S-30E	445	LOGS	224	20	TURBINE	CITY OF ST. CLOUD
OSF-34	281146081211701	281146	812117	30-26S-30E	342	DRILLER	302	10	TURBINE	CECIL WHALEY
OSF-35	281802081352501	281802	813525	14-25S-27E	150	DRILLER	90	4	NONE	U.S. GEOLOGICAL SURVEY
OSF-37	281116081024101	281116	810241	29-26S-33E	513	LOGS	210	12	NONE	DESERET RANCH
OSF-38	281457081172201	281457	811722	06-26S-30E	592	DRILLER	362	10	TURBINE	CITY OF ST. CLOUD
OSF-39	275233080595101	275233	805951	14-30S-33E	315	LOGS	220	3	NONE	OSCEOLA CO. SCHOOLS
OSF-41	274400081043101	274400	810431	36-31S-32E	765	LOGS	200	10	NONE	LAFI MAAY CORP.
OSF-42	274307080582401	274307	805824	01-32S-33E	787	LOGS	215	5	NONE	LAFI MAAY CORP.
OSF-44	281456081171701	281456	811717	06-26S-30E	514	LOGS	451	5	NONE	CITY OF ST. CLOUD
OSF-45	280046081135501	280046	811354	03-29S-31E	433	DRILLER	217	5	SUBMERSIBLE	MAJESTIC OAKS
COUNTY=POLK										
POF- 1	281532081345001	281532	813450	02-28S-27E	247	LOGS	85	5	NONE	U.S. GEOLOGICAL SURVEY
POF- 2	281511081393101	281511	813931	01-28S-26E	447	LOGS	355	5	NONE	U.S. GEOLOGICAL SURVEY
POF- 3	281046081304201	281036	813042	31-28S-27E	180	LOGS	81	10	NONE	M. E. WILLIAMS
POF- 4	280229081325201	280229	813252	18-28S-26E	453	LOGS	145	4	NONE	FLORIDA D.O.T.
POF- 5	274813081130301	274813	811303	12-31S-31E	330	LOGS	187	4	NONE	U.S. GEOLOGICAL SURVEY
POF- 6	280153081274101	280153	812741	19-28S-29E	411	OWNER	179	10	NONE	EXPOSITION COMPANY
POF- 7	275805081321901	275805	813219	17-29S-26E	.	.	.	5	NONE	POLK COUNTY PARKS
POF- 8	274846081262001	274846	812620	05-31S-29E	144	LOGS	144	3	NONE	POLK COUNTY PARKS
POF- 9	273903081185201	273903	811852	09-33S-30E	1045	OWNER	.	10	CENTRIFUGAL	A.P. CORRECTIONAL INST.
POF-10	273959081215501	273959	812155	33-32S-30E	540	OWNER	.	10	CENTRIFUGAL	A.P. CORRECTIONAL INST.
POF-11	273954081230601	273954	812306	30-32S-30E	930	OWNER	.	10	CENTRIFUGAL	A.P. CORRECTIONAL INST.
POF-12	273924081213601	273924	812136	30-32S-30E	432	LOGS	210	4	CENTRIFUGAL	A.P. CORRECTIONAL INST.
POF-13	273634081211501	273634	812116	19-29S-30E	360	DRILLER	225	5	SUBMERSIBLE	KISSIMMEE STATE PARK
POF-14	280558081314601	280558	813146	24-27S-28E	395	LOGS	149	4	NONE	C. KIMBLE
POF-15	275922081252301	275922	812523	24-29S-29E	570	DRILLER	.	5	SUBMERSIBLE	WILLIAM LACK
POF-17	274746081202201	274746	812022	04-31S-30E	800	OWNER	.	.	TURBINE	INDIAN LAKE ESTATES
POF-18	274553081115501	274553	811156	23-31S-31E	534	DRILLER	231	12	TURBINE	RIVER RANCH RESORT
POF-19	275137081252301	275137	812525	21-30S-29E	637	DRILLER	.	5	TURBINE	E. LAKE WALES UTILITIES

WATER LEVEL DATA

Water level data for each station are listed in Table 2 along with well identification numbers, and date and time of measurement. Vertical control referenced to National Geodetic Vertical Datum of 1929 (NGVD of 1929), formerly referred to as mean sea level, was run for all wells by SFWMD survey crews. Water level measurements of nonflowing wells were made with a steel tape, while pressure measurements of flowing wells were made with calibrated mechanical pressure gages or manometers. Concurrent water level measurements were made throughout the basin during May of 1978 and 1979 to represent dry season conditions and during September of 1978 and 1979 to represent wet season conditions. Additional water level data were collected at various times during these two years. Table 2 also contains data collected at the stations prior to the start of this study.

Water level data obtained during this study and historical water level data dating back to 1943 are plotted as hydrographs in Figure 2. These data were obtained from water level recorders operated by the USGS.

TABLE 2. WATER-LEVEL DATA

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
270848080552401 - GLF- 1 (LAT 27 08 48 LONG 080 55 24)					
MAY , 1976			SEP , 1978		
12...	0800	24.90	27...	1315	32.80
SEP			MAY , 1979		
14...	--	27.20	01...	1205	27.30
MAY , 1977			MAY , 1980		
05...	1620	23.30	13...	1300	25.80
SEP			SEP		
23...	1015	29.50	15...	1230	30.70
MAY , 1978					
02...	1431	39.30			
271335081052001 - HIF- 1 (LAT 27 13 35 LONG 081 05 20)					
OCT , 1952			SEP , 1978		
10...	--	54.77	25...	1750	48.47
MAY , 1967			DEC		
22...	--	48.77	11...	1400	48.60
MAY , 1968			MAR , 1979		
09...	--	46.17	26...	1330	47.69
SEP			APR		
16...	--	46.67	30...	1326	44.97
MAY , 1969			MAY		
20...	--	49.77	22...	0900	49.44
DEC , 1970			SEP		
01...	--	42.77	06...	0852	48.94
MAY , 1971			MAY , 1980		
14...	--	41.97	12...	1700	45.80
SEP , 1977			SEP		
21...	1225	46.27	12...	1520	44.50
MAY , 1978					
04...	0949	45.57			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
272237081070701 - HIF- 2 (LAT 27 22 37 LONG 081 07 07)					
SEP , 1978			MAY , 1979		
26...	0850	48.39	02...	1230	45.47
DEC			SEP		
11...	1525	48.10	06...	0940	48.20
11...	1530	47.31	06...	0950	47.22
MAR , 1979			SEP , 1980		
26...	1430	50.69	12...	1535	48.60
273138081154201 - HIF- 3 (LAT 27 31 38 LONG 081 15 42)					
SEP , 1978			MAY , 1979		
26...	1230	55.36	02...	1445	51.53
OCT			MAY , 1980		
12...	1600	55.36	13...	1045	50.05
MAR , 1979			SEP		
27...	0920	53.07	14...	0930	51.55
272906081142001 - HIF- 4 (LAT 27 29 06 LONG 081 14 20)					
SEP , 1978			SEP , 1980		
26...	1010	48.42	15...	0900	43.92
MAY , 1979					
02...	1320	44.82			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
272815080425401 - OKF- 1 (LAT 27 28 15 LONG 080 42 54)					
APR , 1977			DEC , 1977		
29...	--	38.49	29...	--	44.16
JUN			JAN , 1978		
02...	--	47.66	30...	--	43.99
30...	--	41.91	MAR		
JUL			28...	--	44.33
25...	--	40.83	MAY		
AUG			22...	--	41.99
29...	--	42.33	SEP		
SEP			19...	--	44.58
26...	--	43.83	DEC		
OCT			08...	1226	43.49
26...	--	42.58	MAR , 1979		
NOV			27...	1222	42.49
29...	--	43.16			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
273238080424201 - OKF- 2 (LAT 27 32 38 LONG 080 42 42)					
APR , 1977			MAR , 1978		
29...	--	37.24	28...	--	42.91
JUN			MAY		
02...	--	37.74	22...	--	40.16
30...	--	40.82	SEP		
JUL			19...	--	43.32
25...	--	40.32	DEC		
AUG			08...	1330	42.24
29...	--	42.24	MAR , 1979		
SEP			27...	1325	40.82
26...	--	43.41	MAY		
OCT			08...	--	37.16
26...	--	41.24	SEP		
NOV			24...	1040	42.66
29...	--	41.66	MAY , 1980		
DEC			16...	1200	40.41
29...	--	43.82			
JAN , 1978					
30...	--	43.32			
271110080414501 - OKF- 3 (LAT 27 11 14 LONG 080 41 45)					
MAY , 1978			MAY , 1979		
15...	0945	42.99	11...	0950	43.27
SEP			17...	1515	43.32
25...	1115	45.40	SEP		
27...	1046	45.37	05...	0840	44.32
DEC			MAY , 1980		
05...	1342	44.65	13...	1200	42.65
MAR , 1979			SEP		
22...	0818	43.40	16...	0815	43.57

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
272427080555301 - OKF- 4 (LAT 27 24 27 LONG 080 55 53)					
MAY , 1977			SEP , 1978		
04...	1340	39.27	29...	1620	47.46
SEP			DEC		
19...	1345	44.96	07...	1036	45.43
MAY , 1978			MAY , 1979		
01...	1430	43.27	02...	1040	42.46
11...	1430	44.26	15...	0945	44.79
15...	1549	44.26	SEP		
SEP			20...	--	47.46
28...	1030	47.66			
271855080482501 - OKF- 5 (LAT 27 18 55 LONG 080 48 25)					
MAY , 1978			MAY , 1979		
16...	0850	40.55	14...	1040	40.89
SEP			SEP		
25...	1724	42.89	04...	1650	42.80
27...	1525	42.77	MAY , 1980		
DEC			14...	1200	38.14
05...	1155	43.22	SEP		
MAY , 1979			16...	1130	40.64
02...	0955	40.89			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
272318080561901 - OKF- 6 (LAT 27 23 18 LONG 080 56 19)					
MAY , 1977			MAR , 1979		
04...	1405	41.52	19...	1650	46.63
SEP			MAY		
19...	1400	44.96	02...	1100	43.56
MAY , 1978			15...	0830	45.46
01...	1450	43.59	SEP		
16...	1046	45.63	05...	1120	44.96
SEP			MAY , 1980		
26...	1015	46.79	13...	1200	44.46
28...	0950	45.79	SEP		
DEC			09...	1500	45.51
07...	1150	46.21			
272158080470901 - OKF- 7 (LAT 27 21 58 LONG 080 47 09)					
SEP , 1978			SEP , 1979		
29...	0950	47.29	04...	1437	46.78
DEC			MAY , 1980		
07...	0858	46.29	14...	1200	43.67
MAR , 1979			SEP		
20...	0820	45.49	16...	1100	45.12
MAY					
14...	--	44.19			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
272833080560301 - OKF- 9 (LAT 27 28 33 LONG 080 56 03)					
SEP , 1977			MAY , 1979		
26...	1450	46.32	14...	--	44.48
MAY , 1978			SEP		
01...	1150	42.98	19...	--	46.77
SEP			MAY , 1980		
26...	1450	46.32	13...	1200	43.88
28...	1340	46.02	SEP		
DEC			09...	1245	45.02
06...	--	45.54			
MAR , 1979					
20...	--	45.89			
272817080560301 - OKF-10 (LAT 27 28 17 LONG 080 57 32)					
SEP , 1978			SEP , 1979		
26...	1350	47.06	06...	--	46.98
DEC			MAY , 1980		
06...	--	46.15	13...	1200	43.94
MAR , 1979			SEP		
20...	--	46.40	09...	1300	45.00
MAY					
11...	1405	44.64			
14...	--	45.00			
273043080440001 - OKF-13 (LAT 27 30 43 LONG 080 44 00)					
MAY , 1978			MAY , 1979		
17...	1129	41.00	14...	1237	41.34
SEP			SEP		
26...	0833	44.42	04...	1155	43.10
DEC			MAY , 1980		
04...	1547	44.09	14...	1200	40.17
MAR , 1979			SEP		
19...	1414	42.59	09...	1145	43.30

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
271934080591301 - OKF-15 (LAT 27 19 34 LONG 080 59 13)					
SEP , 1977			SEP , 1978		
27...	1000	42.42	28...	0910	47.72
MAY , 1978			MAY , 1979		
01...	1335	42.22	02...	1230	44.92
272003080551301 - OKF-16 (LAT 27 20 03 LONG 080 55 13)					
SEP , 1977			MAY , 1979		
27...	1431	45.58	02...	1300	43.28
MAY , 1978			MAY , 1980		
02...	1150	44.08	13...	1200	41.96
SEP					
28...	0810	46.58			
272010080550801 - OKF-17 (LAT 27 20 10 LONG 080 55 08)					
SEP , 1977			MAY , 1979		
27...	1436	44.94	02...	1307	43.04
MAY , 1978			15...	1536	43.21
02...	1146	42.74	SEP		
17...	1510	42.54	05...	1213	45.30
SEP			MAY , 1980		
26...	1525	47.21	13...	1200	43.74
28...	0820	44.34	SEP		
DEC			09...	1530	43.55
05...	1720	45.21			
MAR , 1979					
21...	1035	44.71			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
272726081003901 - OKF-18 (LAT 27 27 26 LONG 081 00 39)					
SEP , 1978			SEP , 1979		
29...	1440	46.97	24...	1140	47.49
DEC			MAY , 1980		
08...	1100	45.86	16...	1200	44.39
MAR , 1979			SEP		
21...	1415	45.40	12...	1245	45.72
MAY					
16...	0835	45.05			
272701080575501 - OKF-19 (LAT 27 27 01 LONG 080 57 55)					
SEP , 1978			SEP , 1979		
29...	1355	46.86	24...	--	47.47
DEC			MAY , 1980		
08...	0915	45.82	16...	1200	44.35
MAR , 1979			SEP		
21...	1615	46.34	12...	1330	46.71
MAY					
11...	1120	44.70			
16...	0839	45.05			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
271439080565301 - OKF-22 (LAT 27 14 39 LONG 080 56 19)					
OCT , 1951			SEP , 1976		
26...	--	55.71	14...	--	39.91
MAY , 1967			MAY , 1977		
26...	--	42.71	04...	1245	40.95
MAY , 1968			SEP		
09...	--	42.61	19...	1250	51.71
SEP			MAY , 1978		
15...	--	44.01	02...	1240	47.01
MAY , 1969			18...	--	44.46
20...	--	49.11	SEP		
MAY , 1970			25...	1515	49.04
14...	--	43.11	DEC		
OCT			06...	0840	46.13
22...	--	51.91	MAR , 1979		
MAY , 1971			26...	1203	47.04
14...	--	41.11	MAY		
MAY , 1972			01...	1340	46.61
12...	--	46.21	16...	1505	46.88
MAY , 1973			SEP		
09...	--	42.71	06...	0755	47.04
MAY , 1974			MAY , 1980		
20...	--	39.51	12...	1200	44.96
MAY , 1975			SEP		
07...	--	40.81	15...	1715	48.04
MAY , 1976					
12...	--	38.61			
12...	0910	38.61			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
271514080511601 - OKF-23 (LAT 27 15 14 LONG 080 51 16)					
OCT , 1951			SEP , 1976		
31...	--	51.44	14...	--	37.64
MAY , 1967			MAY , 1977		
23...	--	39.84	04...	1000	38.54
MAY , 1968			SEP		
10...	--	40.54	19...	1055	43.44
SEP			MAY , 1978		
15...	--	41.44	02...	1115	39.04
MAY , 1969			15...	1350	42.52
20...	--	42.24	SEP		
MAY , 1970			25...	1340	47.36
14...	--	41.24	DEC		
OCT			05...	1535	45.02
30...	--	43.64	MAR , 1979		
MAY , 1971			21...	0945	45.27
14...	--	39.44	MAY		
MAY , 1972			02...	1330	40.94
12...	1240	41.44	17...	1345	42.61
MAY , 1973			SEP		
09...	--	37.34	05...	1115	43.86
MAY , 1974			MAY , 1980		
20...	--	36.56	12...	1200	41.36
MAY , 1975			SEP		
07...	--	39.04	15...	1745	40.46
MAY , 1976					
12...	1000	34.48			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
271340080444001 - OKF-24 (LAT 27 13 40 LONG 080 44 40)					
JAN , 1953			MAY , 1976		
27...	--	47.81	12...	--	31.97
MAY , 1968			12...	1200	31.97
10...	--	39.81	SEP		
SEP			14...	--	34.81
16...	--	41.11	MAY , 1977		
MAY , 1969			06...	1040	36.81
19...	--	41.31	SEP		
MAY , 1970			19...	1146	41.71
14...	--	40.61	MAY , 1978		
OCT			02...	1035	37.81
30...	--	42.31	15...	1110	43.09
MAY , 1971			SEP		
14...	--	40.01	29...	0922	45.93
MAY , 1972			DEC		
12...	--	37.81	14...	0915	43.34
MAY , 1973			MAR , 1979		
09...	--	35.41	22...	1000	44.59
MAY , 1974			MAY		
20...	--	32.89	18...	--	39.43
MAY , 1975			SEP		
07...	--	35.01	05...	0935	43.68
271438080571901 - OKF-25 (LAT 27 14 38 LONG 080 57 19)					
SEP , 1978			MAR , 1979		
25...	1615	49.22	26...	1245	48.06
DEC			MAY , 1980		
06...	0945	48.06	12...	1200	45.06

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
271830080493502 - OKF-26 (LAT 27 18 30 LONG 080 49 35)					
MAY , 1977			DEC , 1978		
03...	1350	60.44	11...	1045	44.61
SEP			MAR , 1979		
19...	1021	51.44	26...	1530	43.86
MAY , 1978			MAY		
02...	0830	49.24	02...	0912	49.24
SEP			SEP		
27...	0935	46.11	13...	0933	43.77
271411080461201 - OKF-30 (LAT 27 14 25 LONG 080 46 10)					
MAR , 1979			MAY , 1980		
22...	1117	44.53	13...	1200	42.54
MAY			SEP		
25...	0917	43.37	16...	0900	43.28
SEP					
24...	0955	43.70			
271340080504001 - OKF-31 (LAT 27 13 40 LONG 080 50 40)					
MAR , 1979			MAY , 1980		
22...	1320	48.64	12...	1200	46.89
MAY			SEP		
16...	1542	46.55	16...	1220	46.97

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
273217081012601 - OKF-34 (LAT 27 32 17 LONG 081 01 26)					
MAY , 1978			MAY , 1979		
10...	1430	44.39	11...	1445	44.11
SEP			15...	1322	44.43
28...	1215	46.52	MAY , 1980		
29...	1430	46.91	16...	1200	44.34
DEC			SEP		
06...	1440	45.76	12...	1300	46.62
MAR , 1979					
20...	1805	46.06			
271456080500701 - OKF-35 (LAT 27 14 56 LONG 080 50 07)					
JUL , 1961			MAY , 1976		
19...	--	46.73	12...	--	35.53
MAY , 1967			12...	1045	32.03
23...	--	43.83	SEP		
MAY , 1968			14...	--	34.63
10...	--	41.03	MAY , 1978		
SEP			15...	1244	44.64
16...	--	42.43	SEP		
MAY , 1969			25...	1317	47.39
20...	--	44.53	DEC		
MAY , 1970			05...	1455	46.81
14...	--	42.53	MAR , 1979		
MAY , 1972			21...	0857	45.75
12...	--	42.73	MAY		
MAY , 1973			11...	1030	44.53
09...	--	40.33	17...	1236	44.81
MAY , 1974			SEP		
20...	--	37.13	04...	1730	47.98
MAY , 1975			MAY , 1980		
07...	--	38.73	12...	1200	43.81

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
273124081012401 - OKF-36 (LAT 27 31 22 LONG 081 01 40)					
MAR , 1979			SEP , 1979		
20...	1704	46.21	05...	1537	46.63
MAY			MAY , 1980		
11...	1515	44.29	16...	1200	44.36
15...	1215	44.70			
272852080595801 - OKF-37 (LAT 27 28 52 LONG 080 59 58)					
MAY , 1979			SEP , 1980		
25...	1032	45.80	19...	1100	46.15
MAY , 1980					
13...	1200	44.61			
273740080535101 - OKF-50 (LAT 27 37 40 LONG 080 53 56)					
SEP , 1978			SEP , 1979		
29...	1108	39.50	11...	1130	41.69
DEC			MAY , 1980		
05...	0820	38.79	14...	1200	33.49
MAR , 1979			SEP		
19...	1100	39.09	09...	0945	37.96
MAY					
14...	1342	37.43			
273632080535601 - OKF-51 (LAT 27 36 25 LONG 080 53 25)					
DEC , 1978			MAY , 1980		
05...	0915	37.24	14...	1200	37.90
MAY , 1979			SEP		
14...	1430	36.47	09...	1005	39.00
SEP					
11...	1215	37.45			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
273604080533501 - OKF-52 (LAT 27 36 14 LONG 080 53 36)					
SEP , 1978			SEP , 1979		
29...	1210	41.03	11...	1417	40.31
DEC			MAY , 1980		
05...	0935	39.22	14...	1200	37.14
MAR , 1979			SEP		
19...	1245	38.84	09...	1020	38.44
MAY					
14...	1513	37.71			
273502080535501 - OKF-53 (LAT 27 35 09 LONG 080 53 47)					
SEP , 1978			SEP , 1979		
29...	1230	41.23	11...	1443	36.25
DEC			MAY , 1980		
05...	1003	39.55	14...	1200	38.41
MAR , 1979			SEP		
19...	1440	39.04	09...	1040	38.88
MAY					
14...	1539	37.42			
273740080551201 - OKF-54 (LAT 27 37 40 LONG 080 55 12)					
SEP , 1979			SEP , 1980		
11...	1100	39.59	12...	1100	37.98
MAY , 1980					
16...	1200	36.68			
272704081053501 - OKF-56 (LAT 27 27 04 LONG 081 05 33)					
MAR , 1979			SEP , 1980		
28...	0915	44.59	12...	1230	48.30
MAY , 1980					
16...	1200	47.52			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
271640080571501 - OKF-75 (LAT 27 16 40 LONG 080 57 15)					
MAY , 1979			SEP , 1980		
16...	1347	47.12	15...	1540	46.04
SEP					
24...	1445	48.62			
271552080564201 - OKF-76 (LAT 27 15 52 LONG 080 56 42)					
MAR , 1979			MAY , 1980		
28...	1525	48.03	12...	1200	43.69
MAY			SEP		
16...	1239	49.03	15...	1500	45.86
SEP					
24...	1515	48.61			
272512081014001 - OKF-77 (LAT 27 25 12 LONG 081 01 40)					
MAR , 1979			MAY , 1980		
29...	0930	45.51	16...	1200	43.21
MAY			SEP		
25...	1100	47.84	12...	1315	46.34
SEP					
24...	1345	51.77			
282508081185802 - ORF- 1 (LAT 28 25 08 LONG 081 18 58)					
MAY , 1975			SEP , 1978		
08...	1410	44.30	25...	1555	50.24
MAY , 1976			MAY , 1979		
06...	0945	44.52	11...	1230	49.14
MAY , 1977			MAY , 1980		
04...	1025	44.22	16...	0930	48.42
SEP			SEP		
23...	1410	49.39	11...	0855	48.26
MAY , 1978					
04...	0905	46.82			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282704081214301 - ORF- 2 (LAT 28 27 04 LONG 081 21 43)					
MAY , 1943			MAY , 1978		
11...	--	48.34	01...	1520	46.26
MAY , 1975			SEP		
07...	1545	45.92	25...	1613	48.24
MAY , 1976			APR , 1979		
03...	1605	46.76	30...	1230	46.76
MAY , 1977			MAY , 1980		
02...	1425	45.74	16...	0945	49.11
SEP			SEP		
21...	0905	52.11	11...	1205	47.85
282257081383201 - ORF- 6 (LAT 28 22 57 LONG 081 38 32)					
MAY , 1976			SEP , 1978		
04...	1600	107.43	27...	1205	109.81
MAY , 1977			MAY , 1979		
04...	1545	107.94	10...	1245	110.55
SEP			MAY , 1980		
22...	1515	110.19	12...	1445	110.15
MAY , 1978					
02...	1500	109.41			
282545081240901 - ORF- 7 (LAT 28 25 45 LONG 081 24 09)					
MAY , 1975			SEP , 1978		
07...	1400	47.10	26...	1151	51.84
MAY , 1976			MAY , 1979		
04...	0810	47.81	11...	0930	51.62
MAY , 1977			MAY , 1980		
02...	1710	46.86	12...	1035	50.65
SEP			SEP		
23...	1252	53.72	08...	1420	50.02
MAY , 1978					
02...	1020	48.05			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282539081315001 - ORF-11 (LAT 28 25 39 LONG 081 31 50)					
JUL , 1960			MAY , 1977		
18...	--	96.00	04...	1115	79.93
JUL , 1961			SEP		
06...	--	93.50	22...	1150	84.01
MAR , 1962			MAY , 1978		
09...	--	91.70	02...	1405	80.79
MAY			SEP		
22...	1453	87.37	27...	1055	82.47
DEC , 1963			MAY , 1979		
13...	--	91.70	10...	1105	83.10
MAY , 1976					
04...	1415	87.11			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282051081183401 - ORF-15 (LAT 28 20 51 LONG 081 18 34)					
JUN , 1961			SEP , 1973		
23...	--	51.65	04...	1754	52.05
JUL			OCT		
06...	--	53.27	01...	1105	53.24
MAR , 1962			NOV		
08...	--	50.97	05...	1415	52.18
MAY			JAN , 1974		
18...	1445	49.76	04...	1530	50.63
DEC , 1963			29...	0930	49.81
12...	--	53.92	MAR		
MAY , 1965			11...	0852	47.83
25...	--	47.34	MAY		
MAY , 1968			13...	1756	45.88
29...	--	48.19	MAY , 1977		
MAY , 1969			02...	1615	45.55
20...	1540	50.40	SEP		
MAY , 1970			23...	1220	49.84
12...	1045	49.12	MAY , 1978		
MAY , 1971			02...	1125	46.76
12...	0915	45.91	SEP		
MAY , 1972			26...	1050	50.13
11...	1715	48.61	MAY , 1979		
OCT			11...	1030	48.04
04...	0935	50.04	JAN , 1980		
MAR , 1973			29...	1300	47.48
27...	1405	50.62	MAY		
MAY			12...	0950	48.33
04...	--	49.47	SEP		
JUL			11...	1135	48.33
27...	1525	50.61			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282250081302101 - ORF-16 (LAT 28 22 50 LONG 081 30 21)					
MAY , 1969			MAY , 1978		
19...	1555	88.76	02...	1420	84.34
MAY , 1970			SEP		
12...	1100	87.31	27...	1025	85.81
MAY , 1976			MAY , 1979		
05...	--	83.89	10...	1050	86.06
MAY , 1977			MAY , 1980		
04...	1020	83.74	12...	1225	85.01
SEP			SEP		
22...	1100	86.87	08...	1240	85.14
282354081313001 - ORF-17 (LAT 28 23 54 LONG 081 31 30)					
MAY , 1969			MAY , 1978		
19...	1000	91.39	02...	1420	87.43
19...	1525	91.48	SEP		
MAY , 1970			27...	1040	88.06
12...	1030	90.23	MAY , 1979		
MAY , 1976			10...	1055	88.50
05...	--	86.25	MAY , 1980		
MAY , 1977			12...	1240	87.04
04...	1050	85.83	SEP		
SEP			08...	1210	87.18
22...	1125	99.20			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282528081340901 - ORF-18 (LAT 28 25 28 LONG 081 34 09)					
MAY , 1977			MAY , 1979		
04...	1140	86.38	10...	1415	88.87
SEP			30...	1416	89.10
22...	1225	89.60	JUL		
DEC			09...	1145	88.55
27...	1300	88.76	JAN , 1980		
FEB , 1978			02...	1320	90.53
21...	1500	90.18	FEB		
MAY			22...	1250	90.35
02...	1615	87.38	APR		
JUN			28...	1245	88.65
15...	1550	89.18	MAY		
AUG			12...	1330	88.42
10...	1435	89.86	JUN		
SEP			11...	1145	87.90
27...	1330	87.89	JUL		
OCT			08...	1205	87.49
06...	1225	88.03	AUG		
DEC			05...	1015	88.40
08...	0900	87.31	SEP		
JAN , 1979			08...	1150	88.44
29...	1255	90.13			
MAR					
26...	1030	88.96			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282202081384601 - ORF-19 (LAT 28 22 02 LONG 081 38 46)					
OCT , 1973			JAN , 1979		
30...	1508	110.32	26...	1225	108.40
30...	1515	108.05	MAR		
MAY , 1977			19...	1645	108.37
04...	1530	105.63	MAY		
SEP			10...	1240	108.62
22...	1450	107.91	29...	1625	108.60
DEC			JUL		
28...	1140	107.47	02...	1400	108.05
FEB , 1978			JAN , 1980		
24...	1345	108.32	03...	1415	108.95
APR			FEB		
18...	1140	107.70	21...	0935	108.57
MAY			MAY		
02...	1455	107.19	06...	0915	106.81
JUN			12...	1430	108.14
15...	1255	108.51	JUN		
AUG			09...	1130	107.91
08...	1315	109.24	JUL		
SEP			08...	1250	107.51
27...	1155	106.79	AUG		
OCT			04...	1430	108.00
05...	1255	108.00	SEP		
NOV			08...	1100	107.60
30...	1500	105.51			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)
282141081241701 - ORF-21 (LAT 28 21 41 LONG 081 24 17)		
MAY , 1961		
01...	--	57.93
26...	--	60.30
JUL		
06...	--	63.71
MAR , 1962		
09...	--	59.98
MAY		
22...	--	57.88
DEC , 1963		
12...	--	63.25
MAY , 1965		
20...	--	56.91
MAY , 1966		
26...	1600	60.83
MAY , 1967		
16...	1250	55.75
MAY , 1968		
27...	1705	57.05
MAY , 1969		
20...	1125	59.95
MAY , 1970		
12...	1125	58.44
MAY , 1971		
12...	0835	54.04
MAR , 1973		
27...	1343	57.68
MAY		
04...	1950	56.50
JUN		
04...	1110	56.11
JUL		
02...	0833	57.08
30...	0835	58.24
AUG		
28...	1515	58.66
OCT		
01...	1040	61.57
NOV , 1973		
05...	1439	59.43
05...	1440	59.43
29...	1055	58.35
DEC		
10...	1125	58.08
26...	0833	57.84
JAN , 1974		
30...	0933	56.47
MAR		
04...	1415	55.67
APR		
01...	1035	55.36
MAY		
13...	1830	53.69
MAY , 1975		
07...	1430	52.13
MAY , 1976		
06...	0830	52.93
MAY , 1977		
02...	1640	52.54
SEP		
22...	1000	56.73
MAY , 1978		
02...	--	52.74
02...	1045	53.55
SEP		
26...	--	54.10
26...	1123	56.27
MAY , 1979		
11...	1005	54.89
JAN , 1980		
29...	1445	54.24
MAY		
12...	1015	54.64

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282141081241701 - ORF-21 (LAT 28 21 41 LONG 081 24 17)					
SEP , 1980					
08...	1610	55.00			
282521081214201 - ORF-22 (LAT 28 25 21 LONG 081 21 42)					
JUN , 1960			MAY , 1977		
30...	--	62.83	02...	1550	45.78
JUL , 1961			SEP		
06...	--	58.22	23...	0935	51.64
MAR , 1962			MAY , 1978		
08...	--	51.95	02...	1145	46.90
MAY			SEP		
18...	1400	49.85	25...	1035	50.69
DEC , 1963			MAY , 1979		
12...	1600	55.25	11...	1100	50.32
MAY , 1976			MAY , 1980		
03...	1615	46.59	12...	0930	49.46

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
282241081112801 - ORF-25 (LAT 28 22 41 LONG 081 11 28)					
MAY , 1961			AUG , 1972		
05...	--	46.83	31...	1140	45.87
JUL			OCT		
06...	--	47.61	31...	1005	44.66
MAR , 1962			JAN , 1973		
08...	--	45.65	05...	1250	45.73
MAY			FEB		
18...	1520	44.45	26...	1330	46.44
DEC , 1963			APR		
12...	0945	48.12	03...	1330	45.67
MAY , 1965			JUL		
25...	--	42.17	02...	1300	44.51
MAY , 1966			SEP		
27...	1200	45.53	06...	1225	46.52
MAY , 1967			MAY , 1975		
16...	1130	40.66	01...	1445	44.68
MAY , 1970			MAY , 1976		
12...	1110	44.27	06...	1029	40.03
MAY , 1971			OCT		
06...	1053	41.56	07...	1125	45.72
JUL			MAY , 1977		
06...	1030	43.71	06...	1557	40.23
SEP			SEP		
07...	0910	45.24	22...	1150	44.26
NOV			MAY , 1978		
04...	1020	46.16	04...	1000	41.53
JAN , 1972			SEP		
13...	1205	45.44	29...	0910	45.08
MAR			MAY , 1979		
03...	1520	46.01	11...	1315	42.70
APR			MAY , 1980		
27...	1010	43.43	15...	1725	42.02
MAY			SEP		
11...	1645	43.54	11...	0940	42.60
JUL					
05...	1030	45.32			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282331081370801 - ORF-29 (LAT 28 23 31 LONG 081 37 08)					
MAR , 1979			MAY , 1980		
26...	1000	94.61	12...	1405	94.27
MAY			SEP		
10...	1315	94.73	08...	1125	93.81
282647081354801 - ORF-30 (LAT 28 26 47 LONG 081 36 48)					
MAR , 1979			MAY , 1980		
26...	1055	99.67	12...	1518	91.16
MAY			SEP		
10...	1400	90.34	08...	1140	93.49
29...	1545	85.36			
282738081341401 - ORF-31 (LAT 28 27 38 LONG 081 34 14)					
MAY , 1979			SEP , 1980		
10...	1430	81.77	08...	1355	81.38
29...	1430	81.87			
MAY , 1980					
12...	1525	81.26			
282835081305201 - ORF-32 (LAT 28 28 39 LONG 081 30 26)					
MAY , 1979			SEP , 1980		
10...	1325	68.60	08...	1315	68.06
29...	1300	68.53			
MAY , 1980					
12...	1140	62.45			
282434081283101 - ORF-33 (LAT 28 24 34 LONG 081 28 31)					
APR , 1979			MAY , 1980		
30...	1135	58.29	12...	1105	59.06
MAY			SEP		
10...	1000	59.73	08...	1540	64.59

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282611081320501 - ORF-34 (LAT 28 26 11 LONG 081 32 05)					
MAY , 1979			SEP , 1980		
10...	1110	82.57	08...	1200	81.78
MAY , 1980					
12...	1250	81.43			
282709081283001 - ORF-35 (LAT 28 27 09 LONG 081 28 30)					
APR , 1979			MAY , 1980		
30...	1130	70.16	12...	1125	69.24
MAY			SEP		
10...	0955	70.08	08...	1530	65.45
282623081153801 - ORF-36 (LAT 28 26 23 LONG 081 15 38)					
MAY , 1976			MAY , 1979		
06...	1005	43.72	11...	1300	47.02
MAY , 1977			MAY , 1980		
06...	1610	43.09	15...	1745	45.94
SEP			SEP		
21...	1510	47.79	03...	1300	45.49
MAY , 1978			11...	0915	46.17
04...	0930	44.32			
SEP					
29...	0845	48.05			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
283253081283401 - ORF-37 (LAT 28 32 53 LONG 081 28 34)					
SEP , 1930			JAN , 1978		
30...	--	80.12	04...	1420	58.43
JUL , 1931			MAR		
09...	--	76.12	01...	1010	59.48
14...	--	76.62	APR		
15...	--	76.62	21...	0855	57.51
17...	--	76.45	JUN		
19...	--	76.37	16...	1430	57.73
22...	--	76.38	AUG		
29...	--	76.42	15...	1030	61.80
AUG			SEP		
09...	--	76.12	25...	0915	59.76
12...	--	76.02	OCT		
13...	--	75.92	11...	1315	59.41
16...	--	76.02	NOV		
JAN , 1932			28...	0905	57.59
06...	--	70.37	JAN , 1979		
FEB			25...	0905	59.57
09...	--	69.23	MAR		
MAR			26...	0830	58.93
08...	--	68.67	MAY		
APR			09...	0945	57.89
05...	--	68.06	30...	1600	57.80
JUN			JUL		
16...	--	69.16	05...	1015	58.04
JUL			SEP		
14...	--	68.17	17...	1150	61.48
SEP			JAN , 1980		
09...	--	70.82	10...	1015	60.00
NOV			FEB		
18...	--	67.64	25...	0905	59.44
MAY , 1933			APR		
10...	--	64.12	03...	1035	58.61
SEP , 1975			MAY		
02...	0900	61.24	16...	1210	57.01

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
283253081283401 - ORF-37 (LAT 28 32 53 LONG 081 28 34)					
JUN , 1980			AUG , 1980		
16...	1435	56.23	11...	0905	55.64
JUL			SEP		
08...	1250	55.74	12...	1330	56.19
282218081335001 - ORF-40 (LAT 28 22 18 LONG 081 33 50)					
MAY , 1978			MAY , 1979		
02...	1440	90.84	10...	1215	92.23
SEP					
27...	1115	91.74			
282434081260301 - ORF-41 (LAT 28 24 34 LONG 081 26 03)					
DEC , 1953			MAY , 1971		
12...	--	62.09	12...	0847	53.78
JUN , 1961			MAY , 1974		
16...	--	60.01	10...	1304	53.01
23...	--	61.38	MAY , 1975		
JUL			07...	1415	51.69
06...	--	62.89	MAY , 1976		
MAR , 1962			04...	0835	52.55
09...	--	59.50	MAY , 1977		
MAY			02...	1655	51.85
22...	1215	57.35	SEP		
MAY , 1965			22...	1035	55.88
25...	1700	55.66	MAY , 1978		
MAY , 1966			02...	1035	55.68
26...	1515	60.26	SEP		
MAY , 1967			26...	1144	58.33
16...	1215	55.02	MAY , 1979		
MAY , 1968			11...	0940	57.14
28...	1145	56.28	MAY , 1980		
MAY , 1969			12...	1055	56.55
20...	1110	59.20	SEP		
MAY , 1970			08...	1555	56.69
12...	1140	58.36			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
283018081321801 - ORF-42 (LAT 28 30 18 LONG 081 32 18)					
MAY , 1976			SEP , 1977		
04...	1257	72.70	23...	1615	76.90
MAY , 1977			MAY , 1978		
04...	1310	71.58	02...	1715	72.96
281931081280301 - OSF- 1 (LAT 28 19 31 LONG 081 28 03)					
FEB , 1978			MAY , 1979		
02...	1030	67.15	04...	1300	63.65
MAY			31...	0930	64.49
03...	1200	63.18	SEP		
SEP			11...	1200	66.67
29...	0900	65.15	MAY , 1980		
DEC			14...	1507	64.25
08...	1850	64.15	SEP		
MAR , 1979			17...	0915	64.15
23...	0800	65.76			
281802081351601 - OSF- 2 (LAT 28 18 02 LONG 081 35 16)					
MAY , 1978			MAY , 1979		
03...	1310	90.32	30...	1510	92.10
SEP			SEP		
29...	0940	91.62	11...	0830	92.13
OCT			MAY , 1980		
11...	1300	91.44	14...	1027	90.50
MAR , 1979			SEP		
26...	0940	90.84	17...	0940	90.03
MAY					
04...	1130	90.98			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
275222081030701 - OSF- 3 (LAT 27 52 22 LONG 081 03 07)					
APR , 1974			MAY , 1977		
08...	--	50.30	06...	1310	49.28
JUN			JUL		
10...	--	49.92	01...	--	49.32
JUL			SEP		
09...	--	52.22	21...	1320	51.26
SEP			DEC		
12...	--	54.29	20...	1630	52.12
NOV			FEB , 1978		
06...	--	53.70	13...	1515	52.52
JAN , 1975			APR		
10...	--	52.78	11...	1030	52.06
MAR			MAY		
05...	--	52.07	02...	1050	50.70
MAY			JUN		
15...	--	50.80	20...	1611	50.61
JUL			AUG		
03...	--	51.91	16...	1440	52.85
SEP			OCT		
10...	--	51.70	03...	1435	52.52
NOV			NOV		
13...	--	52.28	16...	1035	51.93
JAN , 1976			DEC		
16...	--	50.80	06...	0950	51.76
MAR			JAN , 1979		
04...	--	49.68	18...	1135	50.96
MAY			MAR		
08...	--	48.43	16...	1010	51.53
JUN			21...	1420	51.67
30...	--	51.10	MAY		
SEP			07...	1130	49.41
08...	--	52.26	25...	0930	50.32
NOV			JUL		
05...	--	51.87	11...	1240	52.30
JAN , 1977			AUG		
06...	--	51.90	21...	1015	52.86
MAR					
10...	--	51.47			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
275222081030701 - OSF- 3 (LAT 27 52 22 LONG 081 03 07)					
NOV , 1979			MAY , 1980		
07...	1309	54.20	06...	1025	53.47
JAN , 1980			JUL		
21...	1139	53.55	07...	0920	52.63
MAR			AUG		
11...	1050	54.22	25...	0810	52.75
275609081132001 - OSF- 4 (LAT 27 56 09 LONG 081 13 20)					
MAY , 1976			MAY , 1979		
12...	1720	43.77	08...	0940	45.50
MAY , 1977			25...	1320	47.32
06...	1445	43.42	SEP		
SEP			12...	1130	48.96
21...	1455	47.97	DEC		
MAY , 1978			05...	1300	48.68
02...	1235	45.16	MAY , 1980		
OCT			16...	0818	46.24
05...	1430	48.74	SEP		
DEC			18...	0845	49.37
06...	1200	47.71			
MAR , 1979					
21...	1130	48.55			
281536081324801 - OSF- 5 (LAT 28 15 36 LONG 081 32 48)					
MAY , 1978			MAY , 1979		
03...	1340	76.16	30...	1410	77.65
SEP			SEP		
29...	1030	76.73	06...	1400	78.02
DEC			MAY , 1980		
08...	1400	75.87	14...	1111	77.01
MAR , 1979			SEP		
23...	1030	77.54	17...	1010	76.63
MAY					
04...	1040	76.66			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
280820081213901 - OSF- 6 (LAT 28 08 20 LONG 081 21 39)					
OCT , 1977			MAY , 1979		
04...	1130	54.54	30...	1245	53.54
MAY , 1978			SEP		
03...	1525	51.49	06...	1255	54.65
SEP			DEC		
29...	1340	54.49	04...	1300	54.90
DEC			MAY , 1980		
13...	1115	53.23	14...	1232	52.89
MAR , 1979			SEP		
20...	0845	54.69	17...	1150	51.61
MAY					
01...	1400	51.21			
280709081052201 - OSF- 7 (LAT 28 07 09 LONG 081 05 22)					
MAY , 1978			MAR , 1979		
04...	1225	39.92	22...	1450	43.28
OCT			MAY		
03...	1000	43.46	16...	1110	41.53
DEC			SEP		
12...	1030	41.96	13...	1000	43.91
281559081260701 - OSF- 8 (LAT 28 15 59 LONG 081 26 07)					
MAY , 1978			MAY , 1979		
03...	1620	59.86	30...	1230	62.54
OCT			SEP		
04...	0840	62.25	04...	1230	62.96
DEC			MAY , 1980		
08...	1450	61.08	14...	1435	61.25
MAR , 1979			SEP		
20...	1230	62.78	16...	1232	60.99
MAY					
04...	0930	60.44			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281937081245901 - OSF- 9 (LAT 28 19 37 LONG 081 24 59)					
APR , 1972			MAR , 1979		
13...	1015	57.26	20...	1445	57.67
MAY , 1977			MAY		
04...	1155	52.18	31...	1100	56.70
SEP			SEP		
19...	0815	56.53	11...	1100	58.99
MAY , 1978			MAY , 1980		
03...	1130	49.40	14...	1636	54.48
OCT			SEP		
10...	0830	56.15	16...	1145	54.39
DEC					
11...	1125	55.60			
281937081250101 - OSF-10 (LAT 28 19 37 LONG 081 25 01)					
APR , 1972			MAR , 1979		
13...	1000	57.66	20...	1430	58.21
MAY , 1977			MAY		
04...	1215	53.00	31...	1115	57.40
OCT , 1978			SEP		
10...	0910	57.15	11...	1130	59.53
DEC					
11...	1155	56.41			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)
280905081270101 - OSF-11 (LAT 28 09 05 LONG 081 27 01)		
MAY , 1976		
07...	--	58.48
MAY , 1977		
07...	1150	62.36
SEP		
19...	1005	65.73
MAY , 1978		
03...	1445	63.99
SEP		
29...	1345	64.89
DEC		
08...	0800	64.06
MAR , 1979		
20...	0945	65.45
MAY , 1979		
01...	1425	63.99
30...	1330	65.63
SEP		
10...	1200	66.29
DEC		
04...	1500	66.27
MAY , 1980		
14...	1200	64.57
SEP		
17...	1100	64.39
281443081140501 - OSF-12 (LAT 28 14 43 LONG 081 14 05)		
MAY , 1973		
04...	1845	47.23
SEP		
27...	1315	49.52
NOV		
05...	1340	50.10
JAN , 1974		
04...	1505	48.39
29...	1015	47.53
MAR		
11...	--	45.43
MAY , 1976		
12...	1110	42.91
MAY , 1977		
04...	1530	42.83
SEP		
19...	1325	47.62
MAY , 1978		
02...	0730	43.68
OCT		
03...	0845	48.47
DEC		
06...	1540	46.82
MAR , 1979		
22...	0930	48.21
MAY		
08...	0730	45.27
SEP		
13...	1215	48.82
NOV		
16...	1230	48.51
SEP , 1980		
17...	0800	46.78

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281356081290901 - OSF-13 (LAT 28 13 56 LONG 081 29 09)					
DEC , 1972			MAY , 1976		
22...	1045	67.71	07...	1140	64.08
MAY , 1973			MAY , 1977		
05...	1400	66.82	07...	1020	64.15
JUL			SEP		
30...	1055	67.70	19...	0945	67.38
AUG			MAY , 1978		
28...	1200	68.25	03...	1435	64.99
SEP			OCT		
27...	1055	68.87	10...	0735	66.42
OCT			DEC		
30...	1055	68.50	08...	1000	65.54
DEC			MAY , 1980		
26...	1052	67.46	14...	1155	66.13
JAN , 1974			SEP		
30...	1208	66.71	17...	1045	65.26
MAY					
23...	1355	64.35			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
281429081290501 - OSF-14 (LAT 28 14 29 LONG 081 29 05)					
JAN , 1973			SEP , 1977		
24...	1145	69.02	19...	0915	67.43
FEB			MAY , 1978		
01...	1600	69.21	03...	1430	65.07
23...	1550	69.42	OCT		
MAR			10...	0725	66.42
26...	1310	68.75	DEC		
MAY			08...	1200	65.70
05...	1330	67.70	MAR , 1979		
JUN			20...	1130	67.52
11...	0924	67.10	MAY		
JUL			04...	0900	65.61
30...	1045	68.60	30...	1400	67.15
MAY , 1974			SEP		
23...	1430	65.41	10...	1130	68.03
MAY , 1976			MAY , 1980		
07...	1155	67.08	14...	1135	66.17
MAY , 1977			SEP		
07...	0950	64.20	17...	1030	65.97
280632081050101 - OSF-15 (LAT 28 06 32 LONG 081 05 01)					
MAY , 1977			SEP , 1979		
14...	1125	39.43	13...	1035	43.74
DEC , 1978			DEC		
12...	1310	40.51	05...	1045	43.48
MAR , 1979			MAY , 1980		
22...	1430	43.27	13...	1205	41.16
MAY			SEP		
16...	1130	41.52	18...	1535	40.25

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281653081221101 - OSF-16 (LAT 28 16 53 LONG 081 22 11)					
SEP , 1946			MAR , 1979		
01...	--	62.23	27...	1310	53.59
MAY , 1977			MAY		
04...	1320	49.00	08...	1215	49.52
SEP			SEP		
19...	1145	53.27	13...	0830	53.58
MAY , 1978			NOV		
04...	0850	50.48	19...	1400	54.07
OCT			MAY , 1980		
04...	1125	53.45	15...	0701	51.98
DEC			SEP		
13...	1045	51.74	16...	1325	51.05
MAR , 1979					
22...	1000	53.59			
281440081150901 - OSF-17 (LAT 28 14 40 LONG 081 15 09)					
MAY , 1977			MAR , 1979		
14...	1215	46.01	22...	1000	47.76
OCT			MAY		
04...	1335	47.09	08...	0800	44.02
MAY , 1978			MAY , 1980		
04...	1210	44.29	15...	1432	45.95
DEC					
12...	1630	46.56			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
281006081162601 - OSF-18 (LAT 28 10 06 LONG 081 16 26)					
MAY , 1978			SEP , 1979		
02...	1430	46.63	12...	1315	50.57
OCT			NOV		
10...	1145	50.01	19...	1500	50.33
DEC			MAY , 1980		
13...	1230	45.80	15...	1150	45.38
MAR , 1979			SEP		
21...	0950	50.14	17...	0800	47.44
MAY					
25...	1400	48.77			
275429081071901 - OSF-19 (LAT 27 54 29 LONG 081 07 19)					
MAY , 1978			SEP , 1979		
01...	1230	55.26	12...	1000	53.01
DEC			DEC		
13...	1425	52.45	05...	1400	55.39
MAR , 1979			MAY , 1980		
21...	1230	51.73	16...	0910	53.71
MAY					
07...	1445	52.94			
25...	1230	51.87			
274500081040001 - OSF-20 (LAT 27 45 00 LONG 081 04 00)					
OCT , 1978			SEP , 1979		
05...	1020	45.23	13...	1900	45.73
DEC			MAY , 1980		
12...	0730	44.10	16...	1245	43.83
MAY , 1979					
16...	1420	42.89			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
274856080594401 - OSF-21 (LAT 27 48 56 LONG 080 59 44)					
OCT , 1978			MAY , 1979		
05...	0830	44.76	16...	1320	42.32
DEC			SEP		
12...	0910	43.28	13...	1820	44.47
MAR , 1979			MAY , 1980		
21...	1545	43.90	16...	1030	42.33

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281714081093001 - OSF-22 (LAT 28 17 14 LONG 081 09 30)					
NOV , 1969			SEP , 1977		
20...	--	47.68	19...	1355	44.43
MAY , 1973			OCT		
04...	--	44.26	07...	1615	44.78
JUL			DEC		
30...	--	45.26	20...	1825	45.16
SEP			FEB , 1978		
04...	--	46.10	13...	1210	45.59
27...	--	46.34	APR		
NOV			13...	0950	43.25
05...	--	46.85	MAY		
JAN , 1974			01...	0725	41.66
29...	--	44.57	JUN		
MAR			15...	1740	43.17
07...	--	42.89	AUG		
MAY			08...	1120	45.46
13...	--	40.53	SEP		
JUL			25...	1450	45.22
10...	--	44.71	NOV		
SEP			13...	0940	44.94
12...	--	46.16	DEC		
NOV			12...	1415	43.75
06...	--	45.26	JAN , 1979		
JAN , 1975			15...	1240	44.78
07...	--	44.48	MAR		
MAR			16...	1400	45.20
06...	--	43.52	MAY		
MAY			11...	0850	42.54
16...	--	40.74	JUN		
JUL			04...	1300	44.04
03...	--	44.09	JUL		
SEP			31...	1530	44.31
10...	--	45.15	FEB , 1980		
NOV			19...	1140	45.53
17...	--	45.88	MAY		
MAY , 1977			16...	0615	43.07
14...	1350	40.30			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
281714081093001 - OSF-22 (LAT 28 17 14 LONG 081 09 30)					
JUN , 1980					
11...	1305	42.68			
281144081213001 - OSF-23 (LAT 28 11 44 LONG 081 21 30)					
OCT , 1978			MAY , 1979		
04...	1330	53.60	08...	1100	47.97
DEC			SEP		
13...	1110	52.15	14...	1340	54.15
MAR , 1979			MAY , 1980		
22...	1100	53.61	15...	0818	52.07
281037081075101 - OSF-24 (LAT 28 10 37 LONG 081 07 51)					
SEP , 1972			MAY , 1977		
11...	--	45.99	04...	1645	40.95
JAN , 1973			SEP		
24...	1405	46.20	19...	1440	45.01
FEB			MAY , 1978		
23...	1340	46.88	01...	0805	42.42
MAR			OCT		
26...	1110	46.04	03...	0925	45.86
MAY			DEC		
03...	2015	44.80	12...	1045	44.35
JUN			MAR , 1979		
12...	1130	44.20	22...	1245	45.62
JUL			MAY		
27...	1455	45.84	16...	1020	42.46
AUG			SEP		
30...	1505	46.52	13...	1115	45.89
MAY , 1974			18...	1100	44.87
13...	1645	41.35	MAY , 1980		
MAY , 1976			13...	1015	43.09
12...	1220	43.08			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
281955081370701 - OSF-25 (LAT 28 19 55 LONG 081 37 07)					
MAR , 1979			SEP , 1979		
23...	0950	91.86	11...	0940	93.35
MAY					
04...	1210	91.01			
281159081142801 - OSF-26 (LAT 28 11 59 LONG 081 14 28)					
JUN , 1978			MAR , 1979		
12...	1350	48.13	22...	1030	48.97
15...	1025	48.32	APR		
19...	1510	48.38	08...	0830	45.98
OCT			MAY		
03...	0730	49.11	08...	0750	43.98
DEC			SEP		
06...	1430	48.61	13...	1145	48.43
282051081133201 - OSF-27 (LAT 28 20 51 LONG 081 13 32)					
DEC , 1978			NOV , 1979		
13...	1430	45.42	16...	0945	49.36
MAR , 1979			MAY , 1980		
21...	0720	46.81	15...	1525	44.66
MAY			SEP		
21...	1200	45.12	18...	1830	44.45
SEP					
13...	0615	45.42			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281341081281301 - OSF-28 (LAT 28 13 41 LONG 081 28 13)					
APR , 1972			DEC , 1973		
12...	1223	65.89	10...	1023	66.72
JAN , 1973			13...	1015	66.74
18...	1017	66.90	17...	0935	66.95
MAR			26...	1007	66.69
26...	1255	67.02	JAN , 1974		
MAY			02...	1032	66.54
05...	1610	66.03	07...	1016	66.53
JUL			16...	0930	66.27
30...	0950	66.91	24...	0955	66.05
AUG			30...	1050	65.89
06...	1005	67.25	FEB		
13...	1108	67.33	11...	1341	65.43
20...	--	67.37	21...	1048	65.48
27...	1030	67.44	28...	1026	65.29
SEP			MAR		
04...	1620	67.79	11...	1050	64.86
10...	0955	67.92	18...	1250	64.30
17...	1610	68.10	26...	1110	64.20
24...	1205	67.99	APR		
OCT			01...	1110	64.32
01...	0945	68.21	MAY , 1976		
15...	0934	68.16	07...	1220	62.54
23...	0930	67.99	MAY , 1977		
30...	1300	67.67	07...	0905	63.49
NOV			SEP		
06...	1040	67.36	19...	1100	66.75
19...	1054	67.30	MAY , 1978		
DEC			03...	1600	64.30
03...	1025	66.75			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281341081281301 - OSF-28 (LAT 28 13 41 LONG 081 28 13)					
MAY , 1979			MAY , 1980		
04...	0830	66.09	14...	1337	65.50
280054081103901 - OSF-29 (LAT 28 00 54 LONG 081 10 39)					
OCT , 1977			MAR , 1979		
04...	1650	46.98	21...	1100	47.61
MAY , 1978			MAY		
02...	1350	43.90	08...	1015	44.16
OCT			SEP		
05...	1505	47.74	12...	1200	47.82
DEC					
06...	1315	47.59			
280033081015801 - OSF-30 (LAT 28 00 33 LONG 081 01 58)					
OCT , 1978			MAY , 1979		
03...	1213	43.75	16...	1210	41.85
DEC			SEP		
12...	1230	44.71	13...	1055	45.01
MAR , 1979					
22...	1350	44.36			
281719081134001 - OSF-31 (LAT 28 17 19 LONG 081 13 40)					
MAY , 1979			NOV , 1979		
16...	0930	45.24	16...	1100	47.00
SEP			MAY , 1980		
11...	1340	47.69	15...	1509	49.88

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
282000081344801 - OSF-32 (LAT 28 20 00 LONG 081 34 48)					
MAR , 1979			SEP , 1979		
22...	1520	91.41	11...	0950	92.41
23...	0930	92.81	MAY , 1980		
MAY			14...	0947	91.21
04...	1200	90.61	SEP		
10...	1220	91.71	17...	0930	95.41
31...	0820	91.61			
281456081161101 - OSF-33 (LAT 28 14 56 LONG 081 16 11)					
MAR , 1979			SEP , 1979		
21...	0845	52.10	13...	1430	46.13
MAY			SEP , 1980		
21...	1310	45.76	16...	1010	46.41
281146081211701 - OSF-34 (LAT 28 11 46 LONG 081 21 17)					
MAR , 1979			SEP , 1979		
27...	1045	53.31	14...	1350	53.67
MAY			SEP , 1980		
08...	1130	49.69	17...	1400	51.35
281802081352501 - OSF-35 (LAT 28 18 02 LONG 081 35 25)					
MAR , 1979			MAY , 1980		
26...	0845	94.19	14...	1014	93.59
MAY			SEP		
04...	1140	93.79	17...	0945	91.76
30...	1530	95.46			
SEP					
11...	0845	95.58			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281116081024101 - OSF-37 (LAT 28 11 16 LONG 081 02 41)					
JAN , 1979			DEC , 1979		
22...	--	42.91	13...	1450	42.00
MAR			MAY , 1980		
20...	--	42.19	13...	1130	39.87
APR			SEP		
04...	--	39.86	18...	0930	40.70
MAY					
01...	1430	38.53			
275233080595101 - OSF-39 (LAT 27 52 33 LONG 080 59 51)					
DEC , 1979			SEP , 1980		
21...	1145	43.52	11...	1310	43.16
274307080582401 - OSF-42 (LAT 27 43 07 LONG 080 58 24)					
MAY , 1980			SEP , 1980		
16...	1130	42.87	19...	1430	44.19
281456081171701 - OSF-44 (LAT 28 14 56 LONG 081 17 17)					
MAY , 1980			SEP , 1980		
14...	1830	45.94	16...	1030	46.76

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)
281532081345001 - POF- 1 (LAT 28 15 32 LONG 081 34 50)		
AUG , 1960		
12...	--	91.04
JAN , 1964		
27...	1120	92.60
MAY		
14...	0910	92.33
NOV		
04...	1150	92.62
MAY , 1965		
07...	1245	90.98
FEB , 1966		
10...	1042	92.15
MAY		
25...	1115	91.65
SEP		
15...	1415	92.93
JAN , 1967		
17...	--	91.56
MAY		
10...	1225	90.21
SEP		
13...	1125	91.34
JAN , 1968		
09...	1355	90.27
MAY		
08...	1330	89.22
SEP		
20...	1255	92.01
NOV		
17...	--	92.74
DEC		
23...	--	92.71
APR , 1969		
22...	--	91.34
MAY		
07...	--	91.06
JUL		
03...	--	90.43
JUL , 1969		
31...	--	90.87
SEP		
18...	--	91.47
NOV		
17...	--	92.74
DEC		
23...	--	92.71
FEB , 1970		
10...	--	92.71
APR		
07...	--	92.32
MAY		
12...	--	91.47
JUL		
09...	--	92.15
AUG		
25...	--	91.99
OCT		
01...	--	91.81
12...	--	91.75
DEC		
01...	--	91.17
MAR , 1973		
26...	1345	91.79
MAY		
12...	0800	91.34
SEP		
24...	1420	91.66
OCT		
30...	1450	91.44
JAN , 1974		
02...	1250	91.07
04...	0935	91.12
SEP , 1975		
16...	1405	90.56

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)
281532081345001 - POF- 1 (LAT 28 15 32 LONG 081 34 50)		
MAY , 1976		
05...	0940	89.26
MAY , 1977		
09...	1235	90.17
SEP		
22...	1000	92.14
NOV		
30...	1111	91.63
DEC		
28...	1400	91.73
FEB , 1978		
27...	0930	92.20
APR		
19...	0845	91.46
JUN		
15...	1045	91.20
AUG		
09...	1055	92.02
SEP		
28...	1505	91.15
OCT		
11...	1400	90.99
16...	1035	91.96
DEC , 1978		
01...	1205	90.35
11...	0930	90.19
JAN , 1979		
26...	1720	91.45
MAR		
19...	1100	91.45
MAY		
01...	1052	91.01
30...	1450	92.03
31...	1430	92.14
JUL		
05...	1320	91.63
SEP		
11...	1300	92.24
14...	1130	92.11
17...	2000	92.22
MAY , 1980		
14...	1344	90.69
SEP		
16...	0910	90.32

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281511081393101 - POF- 2 (LAT 28 15 11 LONG 081 39 31)					
JAN , 1964			SEP , 1976		
27...	--	113.54	10...	1710	116.34
MAY			MAY , 1977		
14...	--	113.87	10...	1355	116.13
NOV			SEP		
04...	--	116.02	21...	0905	117.37
MAY , 1965			MAY , 1978		
07...	--	112.10	08...	1335	118.28
FEB , 1966			SEP		
10...	--	113.94	27...	0925	118.92
MAY			OCT		
25...	--	113.83	11...	1450	118.70
SEP			MAY , 1979		
15...	--	115.12	30...	0900	118.39
SEP , 1975			SEP		
16...	1400	117.55	05...	0845	118.97
JAN , 1976			18...	0810	119.12
16...	1315	118.06	MAY , 1980		
MAR			14...	1030	118.36
03...	1045	116.96	SEP		
MAY			11...	1545	117.57
05...	0845	116.18	17...	1000	117.64
JUN					
29...	1200	116.05			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
281058081364201 - POF- 3 (LAT 28 10 58 LONG 081 36 42)					
MAY , 1977			DEC , 1978		
09...	1335	107.22	07...	1415	109.96
SEP			MAR , 1979		
22...	1110	109.66	29...	1330	108.84
OCT			MAY		
04...	1230	109.69	01...	1400	108.91
NOV			30...	1030	110.05
29...	1240	109.45	JUN		
JAN , 1978			14...	1620	109.97
16...	1105	109.37	AUG		
MAR			08...	1020	109.79
15...	0855	109.86	SEP		
MAY			14...	1000	110.40
12...	0958	108.65	17...	1950	110.73
JUL			MAY , 1980		
05...	1012	108.66	14...	1315	109.01
SEP			SEP		
28...	1420	109.66	16...	0955	108.26
OCT					
12...	0830	109.33			
24...	0950	108.96			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
280229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 52)					
JAN , 1963			MAY , 1966		
09...	--	82.87	04...	--	81.56
FEB			JUN		
25...	--	83.30	06...	--	83.31
APR			JUL		
22...	--	81.42	19...	--	84.32
JUN			AUG		
21...	--	82.22	30...	--	84.70
AUG			NOV		
23...	--	83.39	03...	--	84.36
OCT			JAN , 1967		
25...	--	82.00	04...	--	83.36
JAN , 1964			MAR		
15...	--	83.85	14...	--	81.50
MAR			JUN		
04...	--	84.61	01...	--	79.39
MAY			JUL		
06...	--	83.75	26...	--	82.46
JUL			SEP		
15...	--	82.62	19...	--	84.64
SEP			NOV		
04...	--	83.46	09...	--	83.00
DEC			JAN , 1968		
03...	--	83.24	17...	--	82.62
JAN , 1965			MAR		
11...	--	83.06	28...	--	80.51
MAR			MAY		
04...	--	83.15	08...	--	79.83
MAY			JUL		
05...	--	82.09	17...	--	83.63
JUL			SEP		
06...	--	82.70	18...	--	83.97
AUG			NOV		
30...	--	83.33	08...	--	83.31
JAN , 1966			JAN , 1969		
04...	--	82.85	09...	--	83.47
MAR					
01...	--	83.88			

TABLE 2. WATER-LEVEL DATA - CONTINUED

280229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 52)

DATE	TIME	ELEV-ATION (FT. NGVD)
MAR , 1969		
06...	--	82.40
MAY		
09...	--	81.84
JUL		
10...	--	82.91
SEP		
04...	--	84.34
NOV		
10...	--	85.56
JAN , 1970		
14...	--	85.42
MAR		
16...	--	85.21
MAY		
14...	--	81.89
JUL		
07...	--	83.68
SEP		
09...	--	83.82
15...	--	82.35
NOV		
03...	--	82.52
12...	--	82.49
JAN , 1971		
08...	--	82.06
MAR		
04...	--	81.47
MAY		
18...	--	80.57
JUL		
08...	--	81.17
SEP		
15...	--	82.35
NOV		
03...	--	82.52
JAN , 1972		
06...	--	81.20
MAR , 1972		
08...	--	80.91
MAY		
11...	--	79.75
JUL		
06...	--	79.02
SEP		
07...	--	80.82
NOV		
07...	--	79.17
JAN , 1973		
12...	--	79.75
MAR		
08...	--	79.87
MAY		
05...	--	79.08
JUL		
06...	--	80.40
SEP		
04...	--	82.15
NOV		
01...	--	81.23
JAN , 1974		
11...	--	80.59
MAR		
06...	--	78.08
MAY		
03...	--	76.90
15...	--	80.61
20...	--	78.42
JUL		
09...	--	80.88
SEP		
12...	--	82.62
NOV		
04...	--	81.74

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)
280229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 52)		
JAN , 1975		
08...	--	81.30
MAR		
05...	--	80.19
MAY		
08...	--	78.18
13...	1710	77.73
JUL		
02...	--	80.18
SEP		
09...	--	81.25
16...	1030	78.19
24...	--	81.80
NOV		
13...	--	82.84
JAN , 1976		
12...	--	81.65
MAR		
03...	--	80.15
MAY		
05...	1315	77.59
05...	1420	77.50
10...	1344	79.45
11...	1020	79.63
JUN		
29...	--	81.27
SEP		
07...	1425	83.67
08...	--	83.50
10...	1100	83.79
NOV		
04...	--	82.32
05...	1415	82.83
JAN , 1977		
04...	1037	82.66
05...	--	82.58
MAR		
09...	--	80.65
MAY		
09...	1342	79.45
09...	1540	79.35
JUN		
30...	--	80.50
SEP		
20...	1110	82.34
22...	1250	82.23
NOV		
29...	1400	82.18
JAN , 1978		
16...	1225	81.80
MAR		
15...	0940	82.59
MAY		
10...	1105	81.08
JUL		
05...	1145	81.10
SEP		
06...	1050	82.56
28...	1335	81.54
OCT		
12...	1045	80.26
23...	1120	81.73
DEC		
05...	1750	79.34
19...	0730	79.41

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
280229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 52)					
JAN , 1979			DEC , 1979		
24...	1415	82.15	04...	1635	83.80
MAR			JAN , 1980		
28...	1140	79.73	31...	1814	83.56
29...	1030	79.66	APR		
MAY			01...	1615	81.81
01...	1120	80.30	MAY		
23...	1330	81.42	14...	1155	81.24
JUN			JUN		
19...	1545	80.15	05...	1035	80.66
JUL			JUL		
06...	1415	82.22	30...	1445	80.86
SEP			SEP		
10...	0845	83.66	16...	1050	80.74
12...	1645	83.66			
17...	1940	83.72			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
274815081130301 - POF- 5 (LAT 27 48 15 LONG 081 13 03)					
MAY , 1974			NOV , 1976		
08...	--	42.91	04...	--	46.80
22...	--	43.01	JAN , 1977		
JUN			06...	--	47.08
19...	--	44.29	MAR		
JUL			10...	--	46.18
03...	--	45.38	MAY		
16...	--	46.33	09...	1950	42.58
31...	--	46.99	JUL		
AUG			01...	--	43.67
28...	--	47.74	SEP		
SEP			22...	1700	46.55
11...	--	47.78	DEC		
NOV			05...	1155	46.07
04...	--	47.26	JAN , 1978		
JAN , 1975			17...	0925	46.51
08...	--	47.15	MAR		
MAR			15...	1515	47.28
05...	--	45.75	MAY		
MAY			10...	1335	43.92
08...	--	42.60	JUL		
17...	--	42.70	07...	1105	45.74
JUL			SEP		
02...	--	45.86	28...	1550	47.34
SEP			OCT		
09...	--	46.93	04...	1315	47.03
NOV			12...	1330	46.97
13...	--	47.79	DEC		
JAN , 1976			04...	1322	46.57
12...	--	46.56	JAN , 1979		
MAR			16...	1515	46.44
04...	--	43.88	MAR		
MAY			14...	1145	46.84
06...	0835	42.19	19...	1045	46.82
JUN			APR		
29...	--	46.20	30...	1215	43.22
SEP					
08...	--	47.09			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
274815081130301 - POF- 5 (LAT 27 48 15 LONG 081 13 03)					
MAY , 1979			MAR , 1980		
22...	0930	45.12	19...	0940	47.28
JUN			MAY		
28...	1615	45.56	07...	0730	45.85
AUG			12...	1323	45.09
23...	1145	46.31	JUL		
SEP			07...	1645	44.99
06...	1130	46.70	AUG		
17...	1700	47.18	25...	1555	45.32
NOV			SEP		
07...	1515	47.34	10...	1430	45.49
JAN , 1980					
11...	1115	46.67			
280153081274101 - POF- 6 (LAT 28 01 53 LONG 081 27 41)					
MAY , 1978			MAY , 1979		
16...	1030	68.89	23...	1400	69.09
SEP			SEP		
27...	1330	69.49	05...	1000	68.89
DEC			MAY , 1980		
05...	1350	68.59	12...	0947	69.19
MAR , 1979			SEP		
29...	0910	67.89	10...	1130	68.69
MAY					
01...	1200	67.19			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
275805081321901 - POF- 7 (LAT 27 58 05 LONG 081 32 19)					
SEP , 1975			DEC , 1978		
16...	1000	83.70	05...	1230	84.46
MAY , 1976			MAR , 1979		
07...	1515	82.51	29...	0730	84.85
MAY , 1977			MAY		
09...	1615	82.72	01...	1045	84.89
SEP			23...	1255	85.41
22...	1330	85.37	SEP		
MAY , 1978			05...	1100	86.33
10...	1200	84.66	17...	1900	88.05
SEP			DEC		
28...	1442	85.57	04...	1530	85.28

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
274846081262001 - POF- 8 (LAT 27 48 46 LONG 081 26 20)					
FEB , 1958			MAR , 1973		
27...	--	86.65	13...	--	82.15
DEC , 1959			MAY		
15...	--	88.35	05...	--	80.15
JUN , 1969			AUG		
19...	--	80.15	09...	--	83.55
SEP			SEP		
08...	--	83.25	04...	--	83.55
NOV			NOV		
06...	--	85.75	15...	--	83.15
JAN , 1970			JAN , 1974		
09...	--	84.05	03...	--	82.75
MAR			MAR		
05...	--	83.85	06...	--	79.95
MAY			APR		
07...	--	79.65	11...	--	78.35
JUL			JUN		
02...	--	83.35	10...	--	76.35
SEP			JUL		
03...	--	84.15	09...	--	81.15
NOV			SEP		
10...	--	83.65	12...	--	83.65
JAN , 1971			NOV		
08...	--	81.75	04...	--	81.95
MAR			JAN , 1975		
03...	--	81.65	08...	--	81.95
APR			MAR		
29...	--	78.55	05...	--	81.05
JUL			MAY		
02...	--	81.85	08...	--	74.43
NOV , 1972			JUL		
02...	--	80.25	02...	--	81.25
DEC			SEP		
07...	--	81.25	09...	--	83.05
28...	--	81.55	NOV		
JAN , 1973			13...	--	84.05
17...	--	81.75			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEV-ATION (FT. NGVD)	DATE	TIME	ELEV-ATION (FT. NGVD)
274846081262001 - POF- 8 (LAT 27 48 46 LONG 081 26 20)					
JAN , 1976			DEC , 1978		
12...	--	81.85	04...	1700	80.70
MAR			21...	1435	80.00
03...	--	80.95	JAN , 1979		
MAY			16...	1630	82.85
07...	1550	75.95	MAR		
JUN			14...	0930	82.90
29...	--	80.15	28...	1700	79.75
SEP			APR		
10...	--	81.35	30...	0945	79.85
OCT			MAY		
04...	--	81.95	23...	0850	78.95
JAN , 1977			JUN		
06...	--	82.15	28...	1730	80.75
MAR			AUG		
10...	--	80.75	23...	1307	81.45
MAY			SEP		
10...	0950	78.33	05...	1600	83.25
JUL			17...	1430	83.95
01...	--	80.25	NOV		
SEP			07...	1637	82.80
22...	1605	82.19	JAN , 1980		
DEC			11...	1010	82.90
05...	1105	83.10	MAR		
JAN , 1978			19...	1100	82.50
17...	0810	83.45	MAY		
MAR			07...	0950	79.20
15...	1340	83.15	12...	1430	80.65
MAY			JUL		
10...	1245	81.05	08...	1000	80.70
JUL			AUG		
07...	1215	82.75	25...	1650	80.00
SEP			SEP		
07...	1020	83.85	11...	1230	81.35
28...	0745	82.45			
OCT					
24...	1155	80.70			

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
273903081185201 - POF- 9 (LAT 27 39 03 LONG 081 21 08)					
SEP , 1978			SEP , 1979		
28...	1330	75.14	12...	1200	75.27
DEC			MAY , 1980		
12...	1530	80.86	13...	0955	73.19
MAR , 1979			SEP		
29...	1302	72.86	11...	1030	73.49
MAY					
17...	1040	78.20			
273959081215601 - POF-10 (LAT 27 39 59 LONG 081 21 56)					
SEP , 1978			SEP , 1979		
28...	1140	78.44	12...	1042	77.99
MAR , 1979			MAY , 1980		
29...	1400	75.49	13...	1035	74.34
MAY					
17...	0850	78.74			
273954081230601 - POF-11 (LAT 27 39 54 LONG 081 21 55)					
SEP , 1978			MAY , 1979		
28...	1230	75.84	17...	0900	77.71
DEC			SEP		
12...	1322	77.62	12...	1100	76.96
MAR , 1979			SEP , 1980		
29...	1401	77.29	11...	1055	78.64

TABLE 2. WATER-LEVEL DATA - CONTINUED

DATE	TIME	ELEVATION (FT. NGVD)	DATE	TIME	ELEVATION (FT. NGVD)
275622081252301 - POF-15 (LAT 27 56 22 LONG 081 25 23)					
SEP , 1978			MAY , 1979		
27...	1530	60.39	23...	1200	59.08
DEC			SEP		
05...	1050	59.30	05...	1450	61.21
MAR , 1979			17...	1820	61.70
28...	1430	58.79	SEP , 1980		
APR			11...	1400	59.73
30...	1610	56.83			
274746081202201 - POF-17 (LAT 27 47 46 LONG 081 20 22)					
MAR , 1979			MAY , 1980		
27...	1600	64.07	12...	1405	62.75
SEP			SEP		
06...	0925	64.09	10...	1515	62.97
17...	1600	64.77			
274553081115601 - POF-18 (LAT 27 45 53 LONG 081 11 56)					
MAY , 1979			MAY , 1980		
22...	1030	44.47	12...	1302	42.70
SEP			SEP		
06...	1030	44.61	10...	1330	43.66
17...	1640	46.07			
275137081252501 - POF-19 (LAT 27 51 37 LONG 081 25 25)					
MAY , 1979			MAY , 1980		
22...	1440	79.68	12...	1216	79.48
SEP			SEP		
06...	0800	82.48	10...	1245	81.08
17...	1500	83.38			

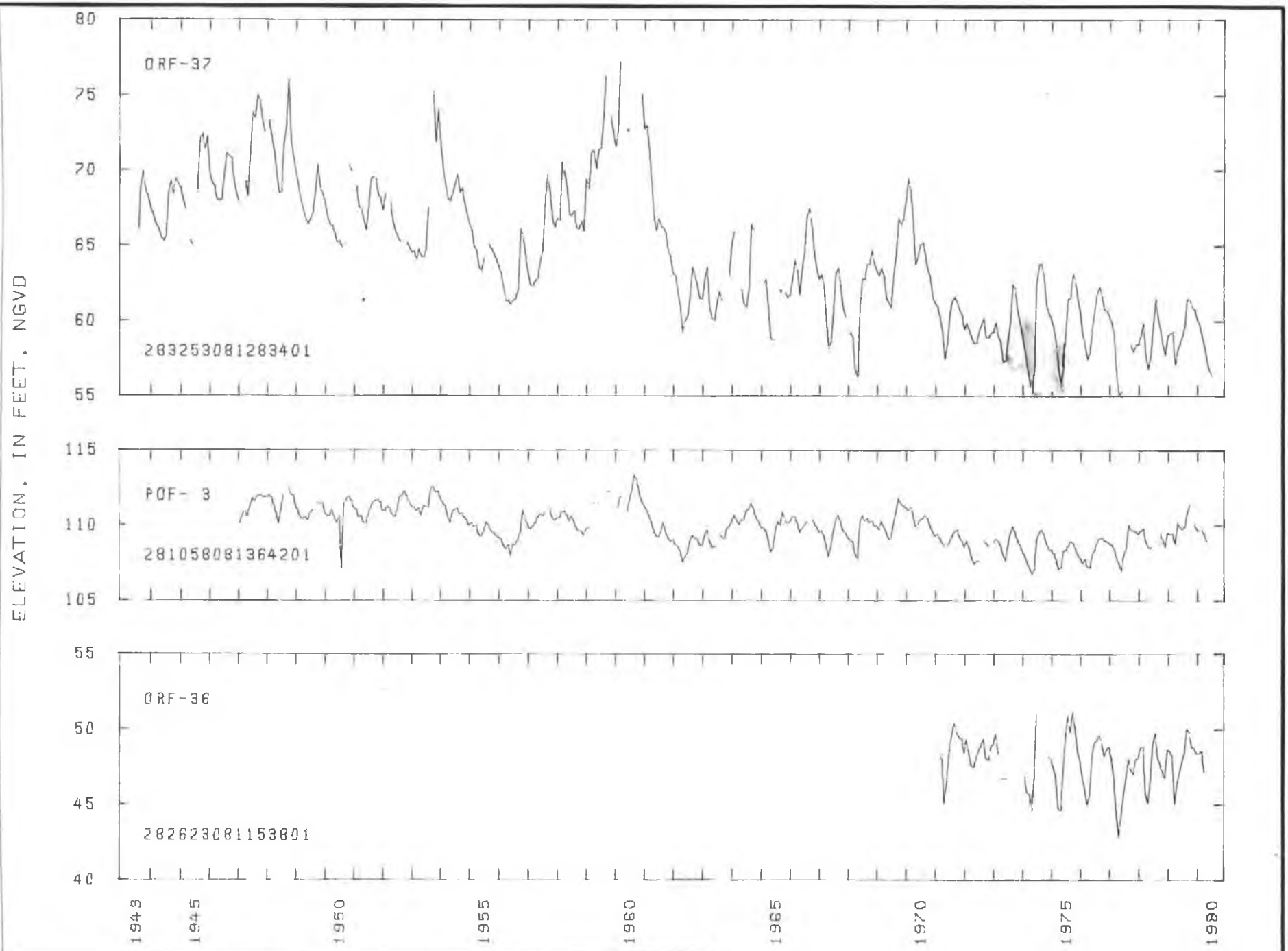


Figure 2.—Hydrographs for selected wells

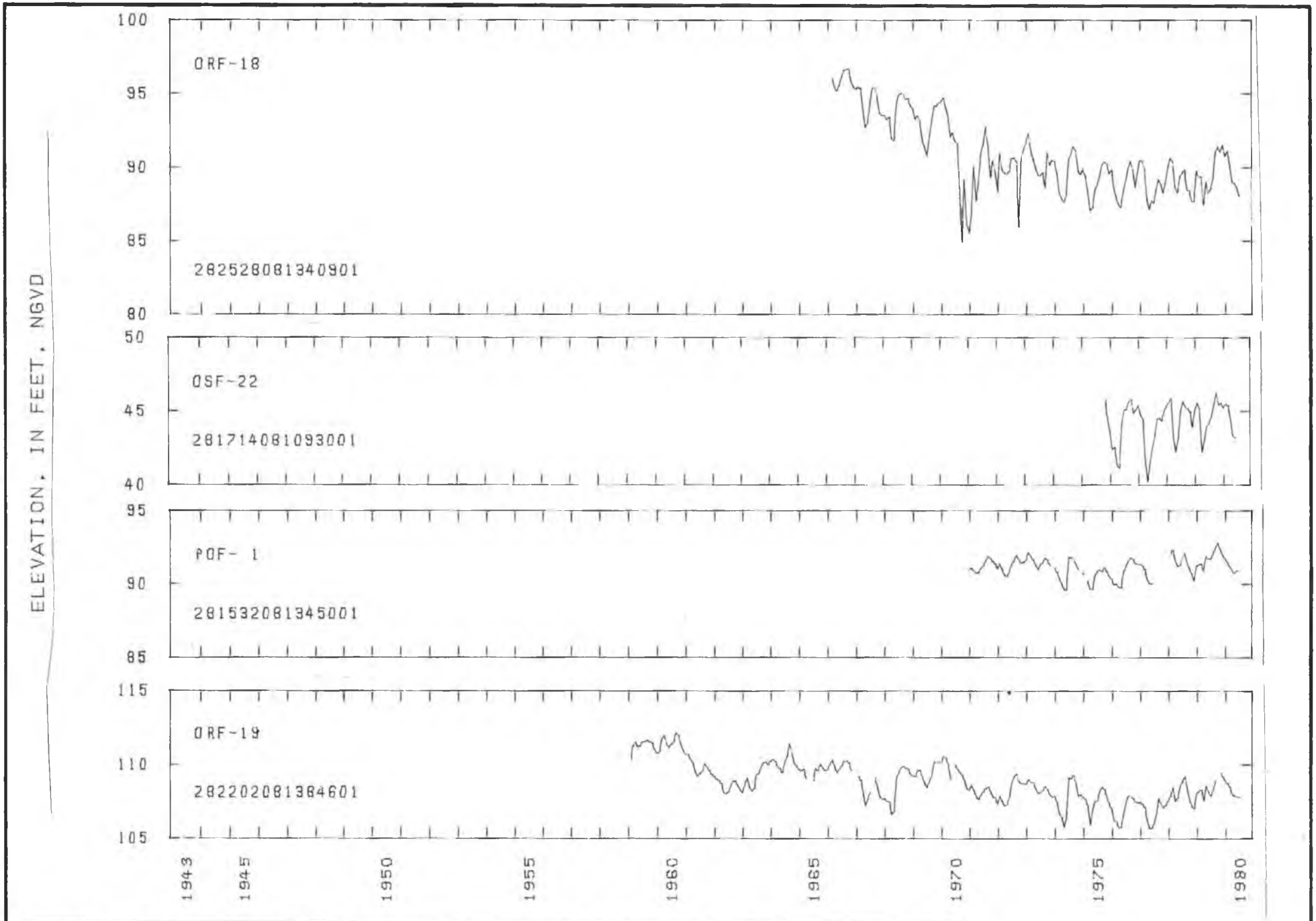


Figure 2.——Hydrographs for selected wells——continued

WATER QUALITY

Sampling Procedures

A variety of collection methods were used to obtain water samples. Flowing artesian wells were sampled until the discharging water reached a constant temperature, thereby assuring that the casing had been flushed and the water was representative of that within the aquifer. Nonflowing wells with installed pumps were sampled using the existing pump. Nonflowing wells without installed pumps were sampled with a 2-inch centrifugal pump if the water level was less than 25 feet below land surface. If the water level was more than 25 feet below land surface, a 3,4,6, or 8-inch submersible pump was used, or in some cases, water was lifted by air.

The variety of sampling methods resulted in water samples being collected under varying degrees of stress on the system. Sampling methods may affect analytical results, especially with respect to pH and alkalinity.

After the well was flushed, a sample was collected and part of the sample was analyzed immediately for alkalinity, and field values of pH and specific conductance were taken using a pH meter and conductivity bridge. Another part of the sample was filtered through a 0.45µm filter and a small aliquot of the filtered sample was acidized with concentrated nitric acid. The samples were chilled and transported to the SFWMD laboratory for immediate analysis. Laboratory analyses performed during this study (1977-79) were made by the Water Chemistry Laboratory of SFWMD; all prior analyses were conducted at the USGS Laboratories (Brown and others, 1970).

Analytical Methods

The following laboratory analytical methods were used:

pH	Electrometric, EPA Method #150.1.
Specific Conductance	Electrometric, Specific Conductance at 25°C, modified Standard Methods #205, 14th Ed., pp. 71, 1975, modified EPA Method #120.1.
Dissolved Solids	Gravimetric, with drying at 105°C Standard Methods, #208A, 14th Ed., 1975.
Sodium	Atomic Absorption, Direct Aspiration with Dual Capillary System (DCS), EPA Method #273.1.
Potassium	Atomic Absorption, Direct Aspiration with Dual Capillary System (DCS), EPA Method #258.7.
Calcium	Atomic Absorption, Direct Aspiration with Dual Capillary System (DCS), Samples are treated with La_2O_3/HCl with DCS, EPA Method #215.1.
Magnesium	Atomic Absorption, Direct Aspiration with Dual Capillary System (DCS), Same treatment as calcium, EPA Method #242.1.
Strontium	Atomic Absorption, Direct Aspiration, Standard Methods #321A, 14th Ed., 1975.
Total Dissolved Iron	Colorimetric, Automated TPTZ Complex with thioglycolic acid pretreatment, Technicon AA II Method #109-71W.
Chloride	Colorimetric, Automated Ferricyanide, Technicon AA II Method #99-70W, modified EPA Method #325.2.
Sulfate	Colorimetric, Automated Methylthymol Blue, Technicon AA II Method #118-71W, modified EPA Method #375.2.
Nitrite	Colorimetric, Automated Diazotization with Sulfanilamide and coupling with N-(1 naphthyl) ethylenediamine dihydrochloride, Technicon colorimetric, automated AAII Method #353.2.

Nitrate	Same as nitrite with Cadmium Reduction Column. Technicon AA II Method #100-70W, modified EPA Method #353.2.
Ammonia	Colorimetric Automated Phenate, Technicon AA II Method #154-71W, modified EPA Method #350.1.
Ammonia plus organic, dissolved and total	Colorimetric, semi-automated Block Digestor, Technicon AA II Method #376-75S, 334-74A, modified EPA Method #351.2.
Total Phosphorus	Colorimetric, semi-automated Persulfate Digestion followed by same method as Ortho Phosphate Technicon AA II Method #155-71W, modified EPA Method #365.1.
Bicarbonate	Derived from alkalinity and pH.
Fluoride	Potentiometric, Ion Selective Electrode, Standard Methods #414B, 14th Ed., 1975, EPA Method #340.2.

Water Quality Data

Table 3 lists the results of the water quality analyses and includes the following parameters: pH, specific conductance, temperature, sodium, calcium, potassium, magnesium, chloride, sulfate, fluoride, bicarbonate alkalinity, nitrite, nitrate, ammonia, ammonia plus organic nitrogen (dissolved and total), phosphorus, dissolved solids at 180°C and 105°C, strontium, and iron. The units of measurement for each parameter are listed in the tables.

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CaCO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
270848080552401 - GLF- 1 (LAT 27 08 48 LONG 080 55 24)											
JUL 06, 1966	--	--	--	--	--	--	--	--	--	--	--
MAY 22, 1967	--	--	--	--	--	--	--	--	--	--	--
MAY 15, 1968	--	--	--	--	--	--	--	--	--	--	--
MAY 20, 1969	--	--	--	--	--	--	--	--	--	--	--
MAY 14, 1970	--	--	--	--	--	--	--	--	--	--	--
OCT 23, 1970	--	--	--	--	--	--	--	--	--	--	--
MAY 14, 1971	--	--	--	--	--	--	--	--	--	--	--
271335081052001 - HIF- 1 (LAT 27 13 35 LONG 081 05 20)											
DEC 01, 1970	--	--	--	--	--	--	--	--	--	--	--
MAY 14, 1971	--	--	--	--	--	--	--	--	--	--	--
NOV 10, 1978	--	--	--	--	--	--	--	--	--	--	--
SEP 25, 1978	170	--	--	--	--	--	--	--	595	14268	--
DEC 11, 1978	64	--	--	--	--	--	--	--	515	14660	--
MAR 26, 1979	36	.000	.00	.180	<.20	--	.000	--	436	16293	--
MAY 22, 1979	--	--	--	--	--	--	--	--	579	14759	100
SEP 06, 1979	98	--	--	--	--	--	--	--	543	9545	--
272237081070701 - HIF- 2 (LAT 27 22 37 LONG 081 07 07)											
SEP 26, 1978	186	--	--	--	--	--	--	--	403	10806	--
DEC 11, 1978	152	--	--	--	--	--	--	--	374	11336	--
MAR 26, 1979	136	.000	.00	.310	.48	--	.000	--	--	10027	--
MAY 22, 1979	--	--	--	--	--	--	--	--	--	10427	150
SEP 06, 1979	147	--	--	--	--	--	--	--	385	3911	--
273138081154201 - HIF- 3 (LAT 27 31 38 LONG 081 15 42)											
OCT 12, 1978	116	--	--	--	--	--	--	--	257	13256	--
MAR 27, 1979	116	.000	.00	.230	<.20	--	.010	--	--	15381	--
272906081142001 - HIF- 4 (LAT 27 29 06 LONG 081 14 20)											
APR 12, 1979	--	.000	.07	.220	<.20	--	.000	--	734	41837	--
272815080425401 - OKF- 1 (LAT 27 28 15 LONG 080 42 54)											
DEC 08, 1978	158	--	--	--	--	--	--	--	549	9600	--
MAR 27, 1979	166	.000	.00	.290	.49	--	.000	--	--	9300	--

TABLE 3. WATER-QUALITY DATA

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
270848080552401 - GLF- 1 (LAT 27 08 48 LONG 080 55 24)												
JUL , 1966												
06...	--	7.6	1400	--	163	53	6.9	36	252	182	.6	104
MAY , 1967												
22...	--	--	1610	--	--	--	--	--	338	--	--	--
MAY , 1968												
15...	--	--	1630	27.0	--	--	--	--	352	--	--	--
MAY , 1969												
20...	--	--	1720	27.0	--	--	--	--	358	--	--	--
MAY , 1970												
14...	--	--	1700	26.0	--	--	--	--	361	--	--	--
OCT												
23...	--	--	1750	26.0	--	--	--	--	378	--	--	--
MAY , 1971												
14...	--	--	1780	26.5	--	--	--	--	375	--	--	--
271335081052001 - HIF- 1 (LAT 27 13 35 LONG 081 05 20)												
DEC , 1970												
01...	--	--	926	21.0	--	--	--	--	118	--	--	--
MAY , 1971												
14...	--	--	940	25.0	--	--	--	--	118	--	--	--
NOV												
10...	--	--	900	23.5	--	--	--	--	120	--	--	--
SEP , 1978												
25...	1750	7.4	815	26.0	75	56	4.1	32	118	174	--	--
DEC												
11...	1400	--	801	24.8	81	36	4.3	26	120	161	--	--
MAR , 1979												
26...	1330	7.8	833	--	85	33	4.4	19	175	29	--	--
MAY												
22...	0900	7.6	880	25.6	42	55	3.9	30	124	23	--	--
SEP												
06...	0852	7.7	825	--	69	53	7.9	28	115	195	--	--
272237081070701 - HIF- 2 (LAT 27 22 37 LONG 081 07 07)												
SEP , 1978												
26...	0850	7.6	565	24.5	49	36	3.9	27	91	47	--	227
DEC												
11...	1530	--	610	24.9	49	37	3.8	27	86	50	--	185
MAR , 1979												
26...	1430	8.2	518	21.6	45	24	3.9	22	79	--	--	166
MAY												
22...	1212	7.6	564	23.9	42	28	3.8	26	83	<5.0	--	--
SEP												
06...	0950	7.2	627	24.8	42	56	4.5	23	87	48	--	179
273138081154201 - HIF- 3 (LAT 27 31 38 LONG 081 15 42)												
OCT , 1978												
12...	1600	7.2	313	27.0	18	36	1.6	17	28	61	--	141
MAR , 1979												
27...	0920	7.8	418	26.9	19	35	1.7	16	30	130	--	144
272906081142001 - HIF- 4 (LAT 27 29 06 LONG 081 14 20)												
APR , 1979												
12...	--	--	--	--	70	71	3.0	43	144	246	--	--
272815080425401 - OKF- 1 (LAT 27 28 15 LONG 080 42 54)												
DEC , 1978												
08...	1226	7.8	830	27.1	92	42	6.6	33	127	137	--	--
MAR , 1979												
27...	1222	8.0	915	27.0	98	42	6.8	32	131	126	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
273238080424201 - OKF- 2 (LAT 27 32 38 LONG 080 42 42)												
DEC, 1978												
08...	1330	7.7	910	26.0	101	44	7.2	40	159	129	--	--
MAR, 1979												
27...	1325	8.0	978	26.3	109	45	7.6	39	165	181	--	--
SEP												
24...	1040	--	953	26.0	106	46	7.3	40	195	128	--	--
271110080414501 - OKF- 3 (LAT 27 11 14 LONG 080 41 45)												
MAY, 1978												
15...	0945	8.0	4360	23.7	640	35	26	55	1332	164	--	--
SEP												
25...	1115	8.7	--	24.0	588	36	25	70	1207	203	--	--
DEC												
05...	1342	9.1	3700	--	769	37	29	92	1213	228	--	--
JAN, 1979												
17...	--	--	--	--	754	84	29	93	1258	--	--	--
MAR												
22...	0818	8.2	4150	24.0	683	46	24	89	1106	232	--	--
MAY												
17...	1515	7.2	4050	23.9	621	41	23	74	1047	321	--	--
SEP												
05...	0840	7.6	4160	24.1	636	82	23	95	1191	252	--	--
272427080555301 - OKF- 4 (LAT 27 24 27 LONG 080 55 53)												
MAY, 1978												
15...	1549	7.3	1670	27.4	226	91	7.1	60	399	233	--	--
SEP												
29...	1620	6.9	1430	28.3	227	96	6.9	59	429	268	--	--
DEC												
07...	1036	7.9	1340	27.5	204	86	7.4	55	224	244	--	--
MAY, 1979												
15...	0945	7.4	1730	27.3	245	83	7.2	52	355	296	--	--
271855080482501 - OKF- 5 (LAT 27 18 55 LONG 080 48 25)												
MAY, 1978												
16...	0805	7.4	7110	24.5	1108	189	31	173	2058	463	--	--
SEP												
25...	1724	6.8	5280	27.8	1009	228	28	157	1917	566	--	--
DEC												
05...	1155	7.4	6080	26.8	515	117	14	93	848	364	--	--
MAR, 1979												
22...	1530	7.4	7210	28.3	1147	240	29	180	2240	607	--	--
MAY												
14...	1040	7.2	3190	25.7	438	113	14	79	801	277	--	--
SEP												
04...	1650	7.2	7100	24.7	1106	175	28	174	1988	390	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
273238080424201 - ORF- 2 (LAT 27 32 38 LONG 080 42 42)											
DEC , 1978											
08...	172	--	--	--	--	--	--	--	556	11000	--
MAR , 1979											
27...	175	.000	.01	.320	.49	--	.000	--	--	11000	--
SEP											
24...	--	--	--	--	--	--	--	--	651	8800	--
271110080414501 - ORF- 3 (LAT 27 11 14 LONG 080 41 45)											
MAY , 1978											
15...	155	--	--	--	--	--	--	--	2687	8973	--
SEP											
25...	42	--	--	--	--	--	--	--	2428	9687	--
DEC											
05...	49	--	--	--	--	--	--	--	2364	10903	--
JAN , 1979											
17...	--	--	--	--	--	--	--	--	2585	13488	--
MAR											
22...	52	.000	.03	1.300	1.8	--	.000	--	2326	13919	--
MAY											
17...	--	--	--	--	--	--	--	--	2299	10246	60
SEP											
05...	105	--	--	--	--	--	--	--	2577	6560	--
272427080555301 - ORF- 4 (LAT 27 24 27 LONG 080 55 53)											
MAY , 1978											
15...	107	--	--	--	--	--	--	--	1341	21873	--
SEP											
29...	95	--	--	--	--	--	--	--	1166	34941	--
DEC											
07...	106	--	--	--	--	--	--	--	1080	24366	--
MAY , 1979											
15...	--	--	--	--	--	--	--	--	1069	27969	650
271855080482501 - ORF- 5 (LAT 27 18 55 LONG 080 48 25)											
MAY , 1978											
16...	94	--	--	--	--	--	--	--	4751	--	--
SEP											
25...	100	--	--	--	--	--	--	--	4301	40833	--
DEC											
05...	100	--	--	--	--	--	--	--	2073	32312	--
MAR , 1979											
22...	96	.000	.01	.390	3.4	--	.000	--	--	42310	--
MAY											
14...	--	--	--	--	--	--	--	--	2070	30728	420
SEP											
04...	44	--	--	--	--	--	--	--	4561	38125	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
272318080561901 - ORF- 6 (LAT 27 23 18 LONG 080 56 19)												
MAY , 1978												
16...	1049	7.4	894	26.1	81	48	5.5	34	177	156	--	--
SEP												
26...	1015	8.0	973	25.0	144	39	5.4	28	271	126	--	--
DEC												
07...	1150	7.6	1280	28.1	143	79	5.4	45	257	236	--	--
JAN , 1979												
03...	1315	--	1570	27.9	136	75	5.4	43	275	230	--	--
03...	1625	--	1686	28.0	124	69	5.2	42	247	219	--	--
MAR												
19...	1650	7.7	853	--	75	45	5.4	35	171	160	--	--
MAY												
15...	0830	7.8	1530	26.6	140	81	5.9	37	278	249	--	--
SEP												
20...	1120	7.6	1400	25.5	128	73	10	39	290	241	--	--
272158080470901 - ORF- 7 (LAT 27 21 58 LONG 080 47 09)												
DEC , 1978												
07...	0858	7.4	430	24.0	21	53	3.5	6.9	21	<5.0	--	--
JAN , 1979												
17...	--	--	--	--	--	--	--	--	--	--	--	--
17...	1000	--	--	--	19	76	3.4	7.3	20	96	--	--
17...	1300	--	--	--	29	65	3.9	21	61	<5.0	--	--
FEB												
08...	0930	--	--	25.0	25	70	4.1	10	19	13	--	--
08...	1130	--	--	25.0	43	66	3.9	16	26	36	--	--
MAR												
20...	0820	7.4	541	24.0	20	80	3.4	8.4	17	23	--	--
MAY												
14...	1135	7.2	521	24.2	22	65	3.8	8.1	48	144	--	--
SEP												
04...	1437	7.8	520	24.1	17	86	2.8	6.9	86	<5.0	--	--
273043080440001 - ORF-13 (LAT 27 30 43 LONG 080 44 00)												
MAY , 1978												
17...	1129	7.2	3860	24.5	572	122	15	97	1182	278	--	--
SEP												
26...	0833	7.1	3590	28.2	625	174	16	98	1207	340	--	--
DEC												
04...	1547	7.6	3870	28.5	668	163	15	101	1160	441	--	--
MAR , 1979												
19...	1414	7.4	4440	28.4	674	184	16	103	1272	613	--	--
MAY												
14...	1237	7.5	3890	28.6	633	172	17	104	1135	222	--	--
SEP												
04...	1155	7.6	3060	--	415	84	11	72	798	220	--	--
271934080591301 - ORF-15 (LAT 27 19 34 LONG 080 59 13)												
MAY , 1978												
17...	1345	7.4	1910	28.4	251	101	7.9	67	487	278	--	--
SEP												
26...	1145	7.3	2040	28.6	282	110	8.8	74	479	340	--	--
DEC												
07...	1305	7.7	2040	28.8	272	110	8.3	71	--	199	--	--
MAR , 1979												
21...	1135	7.8	2440	28.8	281	107	6.1	76	501	678	--	--
MAY												
15...	1043	7.8	2140	28.4	358	109	8.8	88	465	366	--	--
SEP												
05...	1330	7.4	2380	28.9	263	106	9.9	58	527	314	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
272318080561901 - OKF- 6 (LAT 27 23 18 LONG 080 56 19)											
MAY , 1978											
16...	126	--	--	--	--	--	--	--	693	14417	--
SEP											
26...	22	--	--	--	--	--	--	--	665	19235	--
DEC											
07...	100	--	--	--	--	--	--	--	925	29685	--
JAN , 1979											
03...	--	--	--	--	--	--	--	--	905	26993	--
03...	--	--	--	--	--	--	--	--	839	28123	--
MAR											
19...	143	.000	.02	.290	.48	--	.000	--	606	18655	--
MAY											
15...	--	--	--	--	--	--	--	--	979	26817	220
SEP											
20...	110	--	--	--	--	--	--	--	919	34624	--
272158080470901 - OKF- 7 (LAT 27 21 58 LONG 080 47 09)											
DEC , 1978											
07...	211	--	--	--	--	--	--	--	268	942	--
JAN , 1979											
17...	--	--	--	--	--	--	--	--	--	7576	--
17...	--	--	--	--	--	--	--	--	317	557	--
17...	--	--	--	--	--	--	--	--	416	7576	--
FEB											
08...	--	--	--	--	--	--	--	--	314	1800	--
08...	--	--	--	--	--	--	--	--	349	5669	--
MAR											
20...	250	1.100	.00	.450	1.0	--	.010	--	332	824	--
MAY											
14...	--	--	--	--	--	--	--	--	336	489	820
SEP											
04...	255	--	--	--	--	--	--	--	358	461	--
273043080440001 - OKF-13 (LAT 27 30 43 LONG 080 44 001											
MAY , 1978											
17...	110	--	--	--	--	--	--	--	2875	24487	--
SEP											
26...	110	--	--	--	--	--	--	--	2683	19732	--
DEC											
04...	107	--	--	--	--	--	--	--	2703	31347	--
MAR , 1979											
19...	107	.000	.00	.380	2.8	--	.000	--	2724	30562	--
MAY											
14...	--	--	--	--	--	--	--	--	2852	31461	420
SEP											
04...	67	--	--	--	--	--	--	--	1819	19000	--
271934080591301 - OKF-15 (LAT 27 19 34 LONG 080 59 13)											
MAY , 1978											
17...	94	--	--	--	--	--	--	--	1444	27989	--
SEP											
26...	96	--	--	--	--	--	--	--	1496	27879	--
DEC											
07...	92	--	--	--	--	--	--	--	1492	34007	--
MAR , 1979											
21...	91	.000	.03	.180	.80	--	.000	--	1484	34482	--
MAY											
15...	--	--	--	--	--	--	--	--	1481	32266	190
SEP											
05...	91	--	--	--	--	--	--	--	1519	32145	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
272003080551301 - OKF-16 (LAT 27 20 03 LONG 080 55 13)												
SEP , 1978												
26...	1515	7.6	663	26.1	110	20	9.4	31	89	173	--	--
DEC												
05...	1643	8.2	848	26.0	105	16	9.1	29	92	151	--	--
272010080550801 - OKF-17 (LAT 27 20 10 LONG 080 55 08)												
MAY , 1978												
17...	1510	7.8	723	26.1	101	25	8.5	30	111	158	--	--
SEP												
26...	1525	7.3	700	26.3	110	26	9.1	30	103	173	--	--
DEC												
05...	1720	7.7	898	--	103	24	8.8	29	102	162	--	--
JAN , 1979												
16...	1000	--	--	--	109	25	9.2	30	107	--	--	--
16...	1300	--	--	--	117	21	9.8	27	103	--	--	--
MAR												
21...	1035	8.2	924	26.4	109	22	8.7	29	134	160	--	--
MAY												
15...	1536	7.8	908	26.1	107	23	9.5	30	107	141	--	--
SEP												
05...	1213	7.2	908	26.6	109	23	8.5	24	109	167	--	--
272726081003901 - OKF-18 (LAT 27 27 26 LONG 081 00 39)												
MAY , 1978												
18...	0829	7.2	658	23.9	56	36	7.8	29	73	14	--	--
DEC												
08...	1100	7.8	582	25.6	51	31	6.8	29	63	30	--	--
MAR , 1979												
21...	1000	--	--	--	--	--	--	--	65	--	--	--
21...	1300	--	--	--	--	--	--	--	122	--	--	--
21...	1415	7.2	483	23.3	53	31	6.5	25	72	19	--	--
MAY												
16...	0835	7.8	656	24.3	57	34	7.6	30	86	19	--	--
272701080575501 - OKF-19 (LAT 27 27 01 LONG 080 57 55)												
MAY , 1978												
18...	0930	8.2	390	23.9	33	19	5.9	12	61	6.9	--	--
DEC												
08...	0915	7.6	750	26.0	56	51	2.9	32	119	145	--	--
MAR , 1979												
21...	1615	8.2	663	24.5	44	39	5.1	30	93	67	--	--
APR												
04...	1000	--	--	--	--	--	--	--	66	--	--	--
04...	1300	--	--	--	--	--	--	--	99	--	--	--
MAY												
16...	0839	7.4	602	24.1	44	37	5.3	29	70	47	--	--
NOV												
29...	1500	--	1310	--	50	50	2.3	32	108	120	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
272003080551301 - OKF-16 (LAT 27 20 03 LONG 080 55 13)											
SEP , 1978											
26...	152	--	--	--	--	--	--	--	518	10744	--
DEC											
05...	152	--	--	--	--	--	--	--	538	11003	--
272010080550801 - OKF-17 (LAT 27 20 10 LONG 080 55 08)											
MAY , 1978											
17...	144	--	--	--	--	--	--	--	562	14002	--
SEP											
26...	141	--	--	--	--	--	--	--	560	16367	--
DEC											
05...	148	--	--	--	--	--	--	--	554	15823	--
JAN , 1979											
16...	--	--	--	--	--	--	--	--	570	19000	--
16...	--	--	--	--	--	--	--	--	546	16029	--
MAR											
21...	145	.000	<.01	.330	.66	--	.000	--	572	16024	--
MAY											
15...	--	--	--	--	--	--	--	--	528	17844	140
SEP											
05...	142	--	--	--	--	--	--	--	576	7894	--
272726081003901 - OKF-18 (LAT 27 27 26 LONG 081 00 39)											
MAY , 1978											
18...	235	--	--	--	--	--	--	--	444	6516	--
DEC											
08...	208	--	--	--	--	--	--	--	366	8255	--
MAR , 1979											
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	152	.000	.00	.390	.76	--	.000	--	358	4870	--
MAY											
16...	--	--	--	--	--	--	--	--	425	6891	300
272701080575501 - OKF-19 (LAT 27 27 01 LONG 080 57 55)											
MAY , 1978											
18...	142	--	--	--	--	--	--	--	258	5431	--
DEC											
08...	110	--	--	--	--	--	--	--	501	19214	--
MAR , 1979											
21...	150	.000	.03	.440	<.20	--	.000	--	410	12636	--
APR											
04...	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	--	--	--	--	--	--	--	--	417	11872	190
NOV											
29...	--	.000	.00	.180	.31	--	.010	--	471	13000	40

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
271439080565301 - OKF-22 (LAT 27 14 39 LONG 080 56 19)												
MAY , 1970												
14...	--	--	1350	26.0	--	--	--	--	245	--	--	--
OCT												
22...	--	--	1400	24.0	--	--	--	--	297	--	--	--
MAY , 1971												
14...	--	--	1360	26.0	--	--	--	--	238	--	--	--
NOV												
10...	--	--	1250	25.0	--	--	--	--	335	--	--	--
MAY , 1972												
12...	1310	--	1370	26.5	--	--	6.9	--	240	--	--	--
OCT												
19...	1055	--	1370	--	--	--	--	--	240	--	--	--
19...	1055	--	--	26.5	--	--	--	--	--	--	--	--
MAY , 1978												
18...	--	7.4	1260	--	161	48	8.0	37	--	214	--	--
SEP												
25...	1515	7.3	1130	26.7	168	55	7.6	42	260	234	--	--
DEC												
06...	0840	7.9	1300	26.4	151	50	7.3	36	252	195	--	--
MAR , 1979												
26...	1203	7.8	1330	26.7	157	54	6.7	37	265	208	--	--
SEP												
06...	0755	7.8	1330	26.8	153	46	3.5	33	--	209	--	--
271514080511601 - OKF-23 (LAT 27 15 14 LONG 080 51 16)												
MAY , 1970												
14...	--	--	1800	26.0	--	--	--	--	358	--	--	--
OCT												
30...	--	--	1770	26.0	--	--	--	--	378	--	--	--
MAY , 1971												
14...	--	--	1820	26.0	--	--	--	--	345	--	--	--
NOV												
10...	--	--	1790	26.0	--	--	--	--	367	--	--	--
MAY , 1972												
12...	1240	--	1800	26.5	--	--	8.2	--	370	--	--	--
OCT												
19...	1015	--	1800	26.5	--	--	--	--	360	--	--	--
MAY , 1978												
15...	1330	7.3	1480	26.4	223	63	8.1	48	402	230	--	--
SEP												
25...	1340	7.6	1330	24.7	228	68	8.0	51	394	228	--	--
DEC												
05...	1535	7.9	1650	26.6	224	70	7.8	50	--	212	--	--
MAR , 1979												
21...	0945	8.1	1760	26.5	214	64	7.4	48	403	209	--	--
MAY												
17...	1345	7.6	1670	26.2	270	61	8.5	54	346	218	--	--
SEP												
05...	1115	7.7	1720	26.7	200	64	8.1	38	385	230	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
271439080565301 - OKF-22 (LAT 27 14 39 LONG 080 56 19)											
MAY , 1970											
14...	--	--	--	--	--	--	--	--	--	--	--
OCT											
22...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1971											
14...	--	--	--	--	--	--	--	--	--	--	--
NOV											
10...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1972											
12...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1978											
18...	--	--	--	--	--	--	--	--	959	19291	--
SEP											
25...	101	--	--	--	--	--	--	--	942	17493	--
DEC											
06...	112	--	--	--	--	--	--	--	841	22505	--
MAR , 1979											
26...	100	.000	.02	.180	.37	--	.000	--	--	29569	--
SEP											
06...	95	--	--	--	--	--	--	--	884	34521	--
271514080511601 - OKF-23 (LAT 27 15 14 LONG 080 51 16)											
MAY , 1970											
14...	--	--	--	--	--	--	--	--	--	--	--
OCT											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1971											
14...	--	--	--	--	--	--	--	--	--	--	--
NOV											
10...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1972											
12...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1978											
15...	127	--	--	--	--	--	--	--	1111	13616	--
SEP											
25...	146	--	--	--	--	--	--	--	1086	16000	--
DEC											
05...	112	--	--	--	--	--	--	--	1064	19447	--
MAR , 1979											
21...	111	.000	.02	.290	1.0	--	.000	--	1036	18984	--
MAY											
17...	--	--	--	--	--	--	--	--	1056	18276	90
SEP											
05...	113	--	.02	--	--	--	--	--	1046	13225	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
271340080444001 - OKF-24 (LAT 27 13 40 LONG 080 44 40)												
MAY , 1970												
14...	--	--	6000	27.0	--	--	--	--	1540	--	--	--
OCT												
30...	--	--	6438	26.0	--	--	--	--	1710	--	--	--
MAY , 1971												
14...	--	--	4810	26.0	--	--	--	--	1210	--	--	--
NOV												
09...	--	--	6000	25.0	--	--	--	--	1570	--	--	--
MAY , 1972												
12...	1040	--	5600	27.0	--	--	23	--	1440	--	--	--
OCT												
19...	0800	--	5500	27.0	--	--	--	--	1300	--	--	--
MAY , 1978												
15...	1110	7.6	4500	25.7	682	173	22	117	1210	394	--	--
SEP												
29...	0903	7.4	3830	26.0	728	219	22	127	1316	566	--	--
DEC												
14...	0915	8.0	4880	25.8	771	213	21	123	--	477	--	--
MAR , 1979												
22...	1000	7.8	4800	26.1	644	193	20	126	1236	501	--	--
MAY												
18...	0825	7.6	5130	25.7	685	192	21	113	1269	194	--	--
SEP												
05...	0935	7.4	4330	26.4	671	175	22	114	1380	420	--	--
271438080571901 - OKF-25 (LAT 27 14 38 LONG 080 57 19)												
SEP , 1978												
25...	1615	7.4	1120	25.7	166	73	6.2	54	271	262	--	--
DEC												
06...	0945	7.6	1520	27.5	137	65	5.0	41	136	210	--	--
MAR , 1979												
26...	1245	8.0	1320	26.8	126	48	5.7	33	249	86	--	--
MAY												
16...	1442	7.4	1300	25.6	139	49	7.2	38	223	182	--	--
271830080493502 - OKF-26 (LAT 27 18 30 LONG 080 49 35)												
APR , 1968												
14...	--	7.5	1150	25.5	145	30	9.9	36	182	180	1.1	149
SEP , 1978												
27...	--	--	--	--	--	--	--	--	--	--	--	167
27...	0935	8.3	907	25.7	145	31	9.2	33	169	177	--	163
DEC												
11...	1045	7.6	1060	25.6	139	30	9.0	32	177	168	--	156
MAR , 1979												
26...	1530	7.6	1010	24.6	127	29	8.6	30	136	--	--	161
MAY												
21...	1200	7.8	1010	26.1	139	33	8.7	37	186	178	--	--
SEP												
13...	0933	7.6	930	24.2	110	16	--	31	124	159	--	165
271830080493501 - OKF-27 (LAT 27 18 30 LONG 080 49 35)												
APR , 1968												
14...	0000	7.2	1100	--	139	30	9.2	36	168	180	1.3	136
SEP , 1978												
27...	0920	8.0	812	--	121	29	8.3	32	119	195	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
271340080444001 - OKF-24 (LAT 27 13 40 LONG 080 44 40)											
MAY , 1970											
14...	--	--	--	--	--	--	--	--	--	--	--
OCT											
30...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1971											
14...	--	--	--	--	--	--	--	--	--	--	--
NOV											
09...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1972											
12...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1978											
15...	133	--	--	--	--	--	--	--	3077	16484	--
SEP											
29...	125	--	--	--	--	--	--	--	3340	21907	--
DEC											
14...	138	--	--	--	--	--	--	--	3023	21341	--
MAR , 1979											
22...	127	.000	.00	.440	2.4	--	.000	--	2876	21254	--
MAY											
18...	--	--	--	--	--	--	--	--	3219	20065	450
SEP											
05...	123	--	--	--	--	--	--	--	3532	16988	--
271438080571901 - OKF-25 (LAT 27 14 38 LONG 080 57 19)											
SEP , 1978											
25...	99	--	--	--	--	--	--	--	979	--	--
DEC											
06...	93	--	--	--	--	--	--	--	826	--	--
MAR , 1979											
26...	98	.000	.00	.200	.42	--	.000	--	375	20573	130
MAY											
16...	--	--	--	--	--	--	--	--	767	19380	--
271630080493502 - OKF-26 (LAT 27 18 30 LONG 080 49 35)											
APR , 1968											
14...	122	--	.00	--	--	--	--	694	--	10000	--
SEP , 1978											
27...	137	--	--	--	--	--	--	--	--	--	--
27...	135	--	--	--	--	--	--	--	666	9511	--
DEC											
11...	128	--	--	--	--	--	--	--	559	9928	--
MAR , 1979											
26...	132	.000	.00	.290	.49	--	.000	--	--	9828	--
MAY											
21...	--	--	--	--	--	--	--	--	846	11685	70
SEP											
13...	135	--	--	--	--	--	--	--	614	4504	--
271830080493501 - OKF-27 (LAT 27 18 30 LONG 080 49 35)											
APR , 1968											
14...	112	--	.11	--	--	--	--	666	--	9800	--
SEP , 1978											
27...	137	--	--	--	--	--	--	--	600	9607	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIL CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
271411080461201 - OKF-30 (LAT 27 14 25 LONG 080 46 10)												
MAR , 1979												
22...	1117	7.4	6230	28.8	977	266	25	164	1770	665	--	--
MAY												
25...	0917	7.4	6740	28.6	940	258	24	158	1740	640	--	--
SEP												
24...	0955	--	6370	28.8	879	289	17	158	1772	445	--	--
271340080504001 - OKF-31 (LAT 27 13 40 LONG 080 50 40)												
MAR , 1979												
22...	1320	7.5	1990	26.8	272	68	9.3	51	540	171	--	--
MAY												
16...	1542	7.6	1920	26.2	184	60	7.0	53	441	243	--	--
SEP												
13...	--	7.5	1800	27.0	275	58	8.0	46	456	246	--	--
271456080500701 - OKF-35 (LAT 27 14 56 LONG 080 50 07)												
MAY , 1970												
14...	--	--	8000	28.0	--	--	--	--	2160	--	--	--
MAY , 1972												
12...	1220	--	8040	29.5	--	--	34	--	2280	--	--	--
12...	1220	--	--	29.5	--	--	--	--	--	--	--	--
OCT												
19...	1000	--	8400	29.5	--	--	--	--	2200	--	--	--
19...	1000	--	--	29.5	--	--	--	--	--	--	--	--
MAY , 1978												
15...	1244	7.5	7410	29.1	1140	259	30	167	2321	565	--	--
SEP												
25...	1317	6.6	5420	28.4	1062	277	31	179	2000	616	--	--
DEC												
05...	1455	7.4	6240	28.3	1165	279	31	180	1983	632	--	--
MAR , 1979												
21...	0857	7.8	6720	28.5	1091	265	28	180	2037	626	--	--
21...	1236	--	--	--	--	--	--	--	--	--	--	--
MAY												
17...	1236	--	6970	28.2	948	225	27	141	--	232	--	--
SEP												
04...	1730	7.3	7150	29.0	1035	271	27	183	2143	471	--	--
273124081012401 - OKF-36 (LAT 27 31 22 LONG 081 01 40)												
MAR , 1979												
15...	1000	--	--	--	--	--	--	--	104	--	--	--
15...	1300	--	--	--	--	--	--	--	148	--	--	--
20...	1704	7.4	828	24.4	58	47	3.0	30	124	74	--	--
MAY												
15...	1245	7.4	724	24.3	53	46	3.1	29	109	17	--	--
SEP												
05...	1610	7.8	713	24.9	49	47	3.0	30	109	48	--	--
NOV												
29...	1200	--	--	--	77	63	2.9	35	162	121	--	--
272852080595801 - OKF-37 (LAT 27 28 52 LONG 080 59 58)												
MAR , 1979												
20...	1050	7.2	509	25.9	100	67	4.4	33	142	109	--	--
22...	1000	--	--	--	--	--	--	--	65	--	--	--
22...	1300	--	--	--	--	--	--	--	118	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
271411080461201 - OKF-30 (LAT 27 14 23 LONG 080 46 10)											
MAR , 1979											
22...	99	.000	.00	.460	3.2	--	.000	--	4205	42968	--
MAY											
25...	--	--	--	--	--	--	--	--	4403	38384	110
SEP											
24...	--	--	--	--	--	--	--	--	4461	45489	--
271340080504001 - OKF-31 (LAT 27 13 40 LONG 080 50 40)											
MAR , 1979											
22...	102	.000	.02	.350	1.2	--	.000	--	--	20300	--
MAY											
16...	--	--	--	--	--	--	--	--	1246	9708	240
SEP											
13...	106	--	--	--	--	--	--	--	1234	17311	--
271456080500701 - OKF-35 (LAT 27 14 56 LONG 080 50 07)											
MAY , 1970											
14...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1972											
12...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
OCT											
19...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
MAY , 1976											
15...	103	--	--	--	--	--	--	--	5323	22308	--
SEP											
25...	107	--	--	--	--	--	--	--	4669	10981	--
DEC											
05...	110	--	--	--	--	--	--	--	4536	42530	--
MAR , 1979											
21...	100	.000	--	.430	3.3	--	.000	--	--	45336	--
21...	--	--	.01	--	--	--	--	--	--	--	--
MAY											
17...	--	--	.01	--	--	--	--	--	4345	37285	620
SEP											
04...	98	--	--	--	--	--	--	--	4953	37038	--
273124081012401 - OKF-36 (LAT 27 31 22 LONG 081 01 40)											
MAR , 1979											
15...	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--
20...	159	.000	.00	.360	.80	--	.000	--	521	8411	140
MAY											
15...	--	--	--	--	--	--	--	--	455	8555	--
SEP											
05...	165	--	--	--	--	--	--	--	480	2527	--
NOV											
29...	--	.000	.00	.280	.43	--	<.010	--	595	8300	80
272852080595801 - OKF-37 (LAT 27 28 52 LONG 080 59 58)											
MAR , 1979											
20...	155	.000	.00	.410	.97	--	.000	--	551	12899	--
22...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE, WATER (DEG C)	SODIUM, DIS-SOLVED (MG/L AS NA)	CALCIUM DIS-SOLVED (MG/L AS CA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BICAR-BONATE (MG/L AS HCO3)
272430081035501 - OKF-40 (LAT 27 24 30 LONG 081 03 55)												
DEC , 1978												
06...	1530	7.1	644	--	49	43	4.6	31	77	116	--	--
MAR , 1979												
23...	0845	8.1	758	26.7	50	43	5.0	31	114	211	--	--
MAY												
16...	--	7.4	91	--	46	40	5.0	32	78	910	--	--
SEP												
05...	1437	8.1	720	28.0	50	41	5.1	27	80	95	--	--
26...	1235	7.7	559	26.7	50	44	4.8	32	85	129	--	--
273740080535101 - OKF-50 (LAT 27 37 40 LONG 080 53 56)												
SEP , 1978												
29...	1108	8.0	455	25.2	30	49	2.2	27	64	30	--	--
DEC												
05...	0820	7.5	567	25.2	26	44	2.1	27	49	9.8	--	--
MAR , 1979												
19...	1100	7.2	538	25.5	31	48	2.5	30	59	47	--	--
273632080535601 - OKF-51 (LAT 27 36 25 LONG 080 53 25)												
MAR , 1979												
19...	1158	7.4	--	26.9	287	116	6.5	87	595	343	--	--
MAY												
14...	1430	7.2	2010	26.9	281	113	6.9	81	542	162	--	--
SEP												
11...	1215	7.4	2220	27.1	236	--	3.6	67	531	206	--	--
273502080535501 - OKF-53 (LAT 27 35 09 LONG 080 53 47)												
MAY , 1979												
14...	1539	7.4	1540	26.7	152	90	5.2	61	542	162	--	--
SEP												
11...	1443	7.8	1400	26.9	133	107	6.3	36	300	160	--	--
273740080551201 - OKF-54 (LAT 27 37 40 LONG 080 55 12)												
NOV , 1979												
30...	--	--	507	--	33	55	1.3	29	76	36	--	--
272704081053501 - OKF-56 (LAT 27 27 04 LONG 081 05 33)												
MAY , 1979												
23...	1010	7.7	1220	27.9	113	75	4.2	42	200	230	--	--
271640080571501 - OKF-75 (LAT 27 16 40 LONG 080 57 15)												
MAR , 1979												
28...	1255	7.8	1160	27.8	120	50	5.6	33	200	250	--	--
MAY												
16...	1347	7.5	1160	26.5	106	52	5.1	37	214	150	--	--
SEP												
24...	1445	--	1010	26.7	98	52	4.5	5.0	193	170	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
272430081035501 - OKF-40 (LAT 27 24 30 LONG 081 03 55)											
DEC , 1978											
06...	152	--	--	--	--	--	--	--	478	21973	--
MAR , 1979											
23...	144	.000	.03	.220	.31	--	.000	--	581	23745	--
MAY											
16...	--	--	--	--	--	--	--	--	504	21824	100
SEP											
05...	140	--	--	--	--	--	--	--	485	23554	--
26...	153	--	--	--	--	--	--	--	478	10839	--
273740080535101 - OKF-50 (LAT 27 37 40 LONG 080 53 56)											
SEP , 1978											
29...	230	--	--	--	--	--	--	--	370	9200	--
DEC											
05...	214	--	--	--	--	--	--	--	379	7500	--
MAR , 1979											
19...	190	.000	.00	.460	.89	--	.000	--	444	23000	--
273632080535601 - OKF-51 (LAT 27 36 25 LONG 080 53 25)											
MAR , 1979											
19...	128	.000	.00	.360	.37	--	.000	--	1417	28654	--
MAY											
14...	--	--	--	--	--	--	--	--	1426	25490	220
SEP											
11...	135	--	--	--	--	--	--	--	1381	20727	--
273502080535501 - OKF-53 (LAT 27 35 04 LONG 080 53 47)											
MAY , 1979											
14...	--	--	--	--	--	--	--	--	1426	25490	220
SEP											
11...	152	--	--	--	--	--	--	--	974	9700	--
273740080551201 - OKF-54 (LAT 27 37 40 LONG 080 55 12)											
NOV , 1979											
30...	--	.000	.00	1.200	1.5	--	.020	--	--	3000	40
272704081053501 - OKF-56 (LAT 27 27 04 LONG 081 05 33)											
MAY , 1979											
23...	--	--	--	--	--	--	--	--	821	20000	110
271640080571501 - OKF-75 (LAT 27 16 40 LONG 080 57 15)											
MAR , 1979											
28...	--	.000	.00	.160	.24	--	.000	--	526	38000	--
MAY											
16...	--	--	--	--	--	--	--	--	753	40000	170
SEP											
24...	--	--	--	--	--	--	--	--	666	42000	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
271552080564201 - ORF-76 (LAT 27 15 52 LONG 080 56 42)												
MAR , 1979												
28...	1525	7.8	1670	--	230	68	8.9	50	367	156	--	--
MAY												
16...	1239	7.6	1425	26.9	160	60	7.1	50	296	208	--	--
SEP												
24...	1515	--	1510	26.8	280	73	7.5	53	455	259	--	--
272512081014001 - ORF-77 (LAT 27 25 12 LONG 081 01 40)												
MAR , 1979												
29...	1007	7.6	955	27.2	82	57	4.9	37	159	27	--	--
MAY												
25...	1100	7.6	1030	--	82	55	4.4	40	164	92	--	--
SEP												
24...	1350	--	849	26.7	80	56	4.3	35	161	170	--	--
282051081183401 - ORF-15 (LAT 28 20 51 LONG 081 18 34)												
JUN , 1961												
20...	--	7.7	374	23.9	29	48	3.2	2.9	30	4.8	.5	181
21...	--	8.2	382	23.3	--	--	--	--	--	--	--	176
22...	--	7.9	441	23.3	38	42	2.5	5.0	27	10	.7	220
23...	--	7.8	426	23.3	21	56	2.0	9.6	24	2.8	.3	228
MAY , 1972												
09...	1230	8.2	435	24.5	19	58	1.3	6.9	24	1.5	.3	220
JAN , 1980												
29...	1300	--	440	24.0	--	--	--	--	22	2.4	--	--
282528081340901 - ORF-18 (LAT 28 25 28 LONG 081 34 09)												
MAR , 1966												
16...	--	7.7	163	23.3	2.8	22	.4	5.2	4.0	1.6	.3	93
SEP , 1967												
01...	--	8.7	152	23.3	3.6	20	1.3	4.4	3.8	2.4	.1	73
MAY , 1968												
17...	1000	7.8	162	23.0	3.3	22	1.1	4.7	4.5	.2	.1	90
MAY , 1972												
31...	1115	8.7	163	23.5	4.0	22	1.2	4.4	4.5	2.8	1.0	84
282202081384601 - ORF-19 (LAT 28 22 02 LONG 081 38 46)												
MAY , 1959												
21...	--	7.7	291	23.3	3.0	49	.8	7.2	5.0	.2	.2	180
JUN												
21...	--	8.3	287	24.4	3.2	54	.7	3.3	3.0	.4	.0	160
JUL												
21...	0915	8.3	287	24.4	3.2	54	.7	3.3	3.0	.4	.0	160
NOV												
19...	--	7.5	272	--	2.9	49	.8	4.7	4.5	1.6	.0	174
MAR , 1962												
27...	--	7.7	240	25.0	3.1	38	1.0	5.6	5.5	.0	.0	142
MAY , 1965												
20...	--	7.7	300	--	3.1	55	.8	8.0	5.0	.0	.0	200
NOV , 1966												
07...	--	7.5	300	25.0	3.2	52	.8	6.9	5.0	.0	.1	192
JUN , 1967												
01...	--	7.6	328	--	3.6	54	.8	6.1	5.0	.0	.1	196
APR , 1972												
25...	1130	7.9	330	25.0	3.7	50	.8	6.6	5.0	1.6	.2	186

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
271552080564201 - ORF-76 (LAT 27 15 52 LONG 080 56 42)											
MAR , 1979											
28...	110	.000	.03	.230	.49	--	.000	--	870	28000	--
MAY											
16...	--	--	--	--	--	--	--	--	920	33000	290
SEP											
24...	--	--	--	--	--	--	--	--	1100	46000	--
272512081014001 - ORF-77 (LAT 27 25 12 LONG 081 01 40)											
MAR , 1979											
29...	124	.000	.00	.200	<.20	--	.000	--	835	25000	--
MAY											
25...	--	--	--	--	--	--	--	--	651	24000	140
SEP											
24...	--	--	--	--	--	--	--	--	633	26000	--
262051081103401 - ORF-15 (LAT 28 20 51 LONG 081 10 34)											
JUN , 1961											
20...	148	--	.18	--	--	--	--	245	--	--	--
21...	144	--	--	--	--	--	--	--	--	--	--
22...	180	--	.18	--	--	--	--	262	--	--	--
23...	187	--	.05	--	--	--	--	261	--	--	--
MAY , 1972											
09...	180	--	--	--	--	--	--	263	--	300	--
JAN , 1980											
29...	--	--	--	--	--	--	--	--	--	--	--
262528081340901 - ORF-16 (LAT 28 25 28 LONG 081 34 09)											
MAR , 1966											
16...	--	--	--	--	--	--	--	--	--	1	--
SEP , 1967											
01...	--	--	--	--	--	--	--	90	--	2	--
MAY , 1968											
17...	74	--	.20	--	--	--	--	94	--	0	--
MAY , 1972											
31...	75	--	--	--	--	--	.170	99	--	250	--
282202081384601 - ORF-19 (LAT 28 22 02 LONG 081 38 46)											
MAY , 1959											
21...	148	--	.00	--	--	--	--	176	--	--	--
JUN											
21...	141	--	.11	--	--	--	--	172	--	--	--
JUL											
21...	141	--	.11	--	--	--	--	172	--	--	--
NOV											
19...	143	--	.09	--	--	--	--	164	--	--	--
MAR , 1962											
27...	117	--	.02	--	--	--	--	126	--	--	--
MAY , 1965											
20...	164	--	.02	--	--	--	--	--	--	--	--
NOV , 1966											
07...	158	--	.09	--	--	--	--	--	--	--	--
JUN , 1967											
01...	161	--	.05	--	--	--	--	177	--	0	--
APR , 1972											
25...	150	--	--	--	--	--	--	180	--	160	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
282141081241701 - ORF-21 (LAT 28 21 41 LONG 081 24 17)												
MAY , 1961												
05...	--	8.1	290	24.4	14	39	2.6	4.5	15	4.4	1.6	140
09...	--	8.1	267	24.4	--	--	--	--	--	--	1.6	148
12...	--	8.2	506	23.9	36	55	3.2	13	12	12	.8	294
16...	--	8.1	409	24.4	--	--	--	--	--	--	--	248
17...	--	8.1	372	23.9	--	--	--	--	--	--	--	216
19...	--	7.6	317	23.9	20	43	1.8	6.9	12	4.8	.3	191
23...	--	8.0	338	23.9	--	--	--	--	--	--	--	196
24...	--	7.9	321	23.9	11	45	1.3	7.9	8.5	2.6	.2	188
26...	--	7.8	315	23.9	9.2	47	1.4	6.7	8.0	.0	.1	192
JAN , 1980												
29...	1445	--	315	24.0	--	--	--	--	7.6	1.7	--	--
282241081112801 - ORF-25 (LAT 28 22 41 LONG 081 11 28)												
APR , 1961												
18...	--	7.8	253	22.2	--	--	--	--	--	--	--	128
19...	--	7.9	767	23.9	24	134	1.6	6.7	41	1.2	.3	428
21...	--	8.0	471	23.9	--	--	--	--	--	--	--	220
24...	--	7.9	538	--	--	--	--	--	46	--	--	260
26...	--	8.0	486	23.3	--	--	--	--	--	--	--	244
MAY												
01...	--	7.9	592	23.3	--	--	--	--	--	--	--	324
02...	--	8.0	717	23.3	30	115	1.6	6.5	38	6.0	.4	394
03...	--	7.6	691	23.9	31	104	1.4	7.9	38	38	.3	320
JUN												
27...	--	7.9	679	23.3	32	105	1.7	9.2	41	29	.4	332
APR , 1970												
29...	--	7.7	724	24.5	25	120	2.0	7.5	41	.8	.3	400
JUN , 1971												
08...	--	8.3	700	23.5	24	130	1.6	7.2	40	.0	.3	400
282331081370801 - ORF-29 (LAT 28 23 31 LONG 081 37 08)												
MAR , 1979												
26...	1000	7.9	258	23.0	3.8	37	.1	4.7	<4.0	28	--	--
282647081354801 - ORF-30 (LAT 28 26 47 LONG 081 36 48)												
MAR , 1979												
26...	1055	7.6	245	23.5	3.8	25	1.0	12	<4.0	30	--	--
282738081341401 - ORF-31 (LAT 28 27 38 LONG 081 34 14)												
MAY , 1979												
29...	1430	7.8	230	24.0	4.0	34	1.6	8.0	5.9	16	--	--
282835081305201 - ORF-32 (LAT 28 28 39 LONG 081 30 26)												
MAY , 1979												
29...	1300	7.7	210	24.0	<3.1	37	.8	5.1	9.2	2.1	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
282141081241701 - ORF-21 (LAT 28 21 41 LONG 081 24 17)											
MAY , 1961											
05...	115	--	.05	--	--	--	--	182	--	--	--
09...	121	--	.05	--	--	--	--	--	--	--	--
12...	241	--	.00	--	--	--	--	328	--	--	--
16...	203	--	--	--	--	--	--	--	--	--	--
17...	177	--	--	--	--	--	--	--	--	--	--
19...	157	--	.00	--	--	--	--	187	--	--	--
23...	161	--	--	--	--	--	--	--	--	--	--
24...	154	--	.18	--	--	--	--	202	--	--	--
26...	158	--	.07	--	--	--	--	202	--	--	--
JAN , 1980											
29...	--	--	--	--	--	--	--	--	--	--	--
282241081112801 - ORF-25 (LAT 28 22 41 LONG 081 11 28)											
APR , 1961											
18...	105	--	--	--	--	--	--	--	--	--	--
19...	351	--	.05	--	--	--	--	491	--	--	--
21...	180	--	--	--	--	--	--	--	--	--	--
24...	213	--	--	--	--	--	--	--	--	--	--
26...	200	--	--	--	--	--	--	--	--	--	--
MAY											
01...	266	--	--	--	--	--	--	--	--	--	--
02...	323	--	.02	--	--	--	--	443	--	--	40
03...	263	--	.00	--	--	--	--	448	--	--	--
JUN											
27...	272	--	.09	--	--	--	--	456	--	--	--
APR , 1970											
29...	328	.001	.00	--	--	--	--	--	--	6	--
JUN , 1971											
08...	335	.000	.32	--	--	--	--	454	--	3	--
282331081370801 - ORF-29 (LAT 28 23 31 LONG 081 37 08)											
MAR , 1979											
26...	132	.000	--	.190	.45	--	--	--	135	<200	--
282647081354801 - ORF-30 (LAT 28 26 47 LONG 081 36 48)											
MAR , 1979											
26...	148	.000	--	.030	.55	--	--	--	132	200	--
282738081341401 - ORF-31 (LAT 28 27 38 LONG 081 34 14)											
MAY , 1979											
29...	178	--	--	--	--	--	--	--	160	<220	90
282835081305201 - ORF-32 (LAT 28 28 35 LONG 081 30 26)											
MAY , 1979											
29...	146	--	--	--	--	--	--	--	157	<222	80

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
282623081153601 - ORF-36 (LAT 28 26 23 LONG 081 15 36)												
APR , 1961												
07...	--	7.8	397	22.2	19	61	1.2	2.9	24	6.0	--	196
11...	--	7.9	400	24.4	16	58	1.4	7.7	18	2.4	.7	214
13...	--	7.8	301	24.4	--	--	--	--	--	--	--	144
14...	--	8.0	440	24.4	16	50	1.2	18	23	18	.5	220
APR , 1970												
20...	--	7.7	423	--	16	61	1.3	8.8	21	.4	.5	236
JUN , 1971												
08...	--	8.3	420	24.5	16	60	1.2	11	24	7.6	.5	220
MAY , 1972												
12...	1230	8.3	405	23.5	15	52	1.2	11	24	.8	.5	204
282434081260301 - ORF-41 (LAT 28 24 34 LONG 081 26 03)												
JUN , 1961												
13...	--	7.8	265	--	--	--	--	--	--	--	--	100
14...	--	7.9	561	23.9	58	54	4.7	7.7	32	24	.5	278
16...	--	8.1	443	23.3	--	--	--	--	--	--	--	244
281931081280301 - OSF- 1 (LAT 28 19 31 LONG 081 28 03)												
OCT , 1978												
11...	1135	7.0	144	24.2	<3.0	28	.5	5.3	<4.0	20	--	--
DEC												
08...	1850	7.9	155	24.0	3.1	25	.5	4.7	<4.0	<5.0	--	--
MAR , 1979												
23...	0800	7.6	160	23.5	<3.0	24	.8	4.7	<4.0	35	--	--
MAY												
31...	0930	7.7	145	24.0	<3.0	23	.5	4.4	5.4	65	--	--
SEP												
11...	1200	7.9	150	24.5	8.6	46	1.1	2.3	11	10	--	--
281802081351601 - OSF- 2 (LAT 28 18 02 LONG 081 35 16)												
OCT , 1978												
11...	1300	7.2	157	24.0	<3.0	31	4.1	5.4	<4.0	21	--	--
DEC , 1979												
04...	--	--	162	--	<3.1	30	<.2	6.3	<4.0	11	--	--
275222081030701 - OSF- 3 (LAT 27 52 22 LONG 081 03 07)												
APR , 1974												
26...	1430	--	336	--	24	25	1.8	13	51	4.1	1.9	107
DEC , 1978												
06...	0950	7.7	492	23.0	36	68	1.1	5.6	54	<5.0	--	--
MAR , 1979												
21...	1420	7.5	465	23.0	37	59	1.4	6.1	54	15	--	--
MAY												
25...	0930	7.8	570	24.0	33	71	1.2	5.0	55	6.0	--	--
275609081132001 - OSF- 4 (LAT 27 56 09 LONG 081 13 20)												
DEC , 1978												
06...	1200	7.8	258	24.0	7.3	28	.6	6.2	12	<5.0	--	134
MAR , 1979												
21...	1130	7.6	275	24.0	13	32	.8	6.1	15	23	--	156
MAY												
25...	1320	8.0	280	24.0	11	33	.6	5.6	21	7.1	--	149
SEP												
12...	1130	7.6	255	23.5	8.8	30	.4	5.7	14	14	--	151
DEC												
05...	1300	--	210	--	--	--	--	--	8.5	9.4	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
282623081153601 - OHF-36 (LAT 28 26 23 LONG 081 15 36)											
APR 1961											
07...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	262	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	282	--	--	--
APR 1970											
20...	194	.001	--	--	--	--	--	267	--	3	--
JUN 1971											
08...	184	.001	--	--	--	--	--	274	--	4	--
MAY 1972											
12...	171	--	--	--	--	--	--	220	--	500	--
282434081260301 - OHF-41 (LAT 28 24 34 LONG 081 26 03)											
JUN 1961											
13...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	364	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
281931081280301 - OSF- 1 (LAT 28 19 31 LONG 081 28 03)											
OCT 1978											
11...	82	--	--	--	--	--	--	--	105	<286	--
DEC											
08...	98	--	--	--	--	--	--	--	104	272	--
MAR 1979											
23...	112	.000	.00	.020	<.20	--	.050	--	74	200	--
MAY											
31...	84	--	--	--	--	--	--	--	106	216	80
SEP											
11...	98	--	--	--	--	--	--	--	191	636	--
281802081351601 - OSF- 2 (LAT 28 18 02 LONG 081 35 16)											
OCT 1978											
11...	99	--	--	--	--	--	--	--	113	<286	--
DEC 1979											
04...	--	.000	.00	20.000	.56	--	.030	--	110	<208	--
275222081030701 - OSF- 3 (LAT 27 52 22 LONG 081 03 07)											
APR 1974											
26...	88	--	--	--	--	--	--	159	--	290	--
DEC 1978											
06...	260	--	--	--	--	--	--	--	329	481	--
MAR 1979											
21...	320	.000	.00	.470	.92	--	.000	--	297	463	--
MAY											
25...	238	--	--	--	--	--	--	--	342	242	270
275609081132001 - OSF- 4 (LAT 27 56 09 LONG 081 13 20)											
DEC 1978											
06...	110	--	--	--	--	--	--	--	137	734	--
MAR 1979											
21...	126	.000	.00	.080	.21	--	.000	--	167	671	--
MAY											
25...	122	--	--	--	--	--	--	--	179	401	100
SEP											
12...	124	--	--	--	--	--	--	--	154	890	--
DEC											
05...	--	--	--	--	--	--	--	--	--	--	--

TABLE 1. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
281536081324801 - OSF- 5 (LAT 28 15 36 LONG 081 32 48)												
SEP 1978												
29...	1030	7.6	262	24.0	<3.0	47	.6	7.1	<4.0	23	--	--
DEC												
08...	1400	7.8	265	24.0	<2.9	45	.6	6.5	4.2	<5.0	--	--
MAR 1979												
23...	1030	7.5	245	23.5	3.0	44	.9	6.6	<4.0	25	--	--
MAY												
19...	--	--	--	--	--	--	--	--	<4.0	--	--	--
30...	1410	7.7	298	24.0	<3.1	43	.7	6.2	5.9	16	--	--
SEP												
06...	1400	7.8	291	24.0	<3.0	46	.6	5.0	7.5	12	--	--
280820081213901 - OSF- 6 (LAT 28 08 20 LONG 081 21 39)												
SEP 1978												
29...	1340	7.7	238	24.5	3.7	37	.8	5.8	6.3	19	--	--
DEC												
13...	1115	7.6	188	24.0	<2.9	34	.7	5.6	7.0	8.2	--	--
MAR 1979												
20...	0845	7.6	240	23.0	4.0	33	1.1	5.3	7.3	26	--	--
MAY												
30...	1245	7.9	235	24.0	3.4	29	1.4	4.1	8.7	19	--	--
SEP												
06...	1255	7.7	255	24.0	3.3	34	.7	4.9	6.8	17	--	--
DEC												
04...	1300	--	235	--	--	--	--	--	7.9	9.8	--	--
280709081052201 - OSF- 7 (LAT 28 07 09 LONG 081 05 22)												
OCT 1978												
03...	1000	7.5	612	24.0	20	108	1.2	7.9	23	20	--	--
281559081260701 - OSF- 8 (LAT 28 15 59 LONG 081 26 07)												
OCT 1978												
04...	0840	8.0	188	23.5	<3.0	28	.6	6.6	<4.0	23	--	--
DEC												
08...	1450	8.1	185	24.0	3.1	26	.5	6.1	4.4	9.7	--	--
MAR 1979												
20...	1230	7.9	205	23.0	<3.0	24	.7	6.0	<4.0	--	--	--
MAY												
30...	1230	7.9	165	24.0	<3.0	24	.5	5.8	5.4	69	--	--
SEP												
04...	1230	7.8	192	24.0	<3.0	25	--	4.9	7.7	16	--	--
DEC												
04...	1000	--	180	--	--	--	--	--	5.4	15	--	--
281937081245901 - OSF- 9 (LAT 28 19 37 LONG 081 24 59)												
APR 1972												
13...	1015	8.4	286	25.5	20	60	1.4	7.1	12	.0	.2	240
OCT 1978												
10...	0830	7.4	222	24.0	5.1	38	.8	6.0	4.7	19	--	--
DEC												
11...	1125	8.2	220	24.0	6.6	34	.8	5.5	5.8	<5.0	--	--
MAR 1979												
20...	1445	7.4	245	23.5	4.7	31	.9	5.4	4.2	17	--	--
MAY												
14...	--	7.9	--	--	--	--	--	--	<4.0	--	--	--
31...	1100	7.8	220	24.0	3.9	33	.7	5.3	7.3	68	--	--
SEP												
11...	1100	7.6	245	24.0	3.5	35	.8	4.3	5.5	13	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
281536081324801 - OSF- 5 (LAT 28 15 36 LONG 081 32 48)											
SEP , 1978											
29...	178	--	--	--	--	--	--	--	168	<286	--
DEC											
08...	176	--	--	--	--	--	--	--	166	204	--
MAR , 1979											
23...	172	.000	.00	.160	<.20	--	.060	--	162	198	--
MAY											
19...	--	--	--	--	--	--	--	--	155	--	--
30...	174	--	--	--	--	--	--	--	178	216	70
SEP											
06...	178	--	--	--	--	--	--	--	168	187	--
280820081213901 - OSF- 6 (LAT 28 08 20 LONG 081 21 39)											
SEP , 1978											
29...	176	--	--	--	--	--	--	--	136	379	--
DEC											
13...	134	--	--	--	--	--	--	--	151	<204	--
MAR , 1979											
20...	130	.000	.00	.070	.72	--	.020	--	176	309	--
MAY											
30...	114	--	--	--	--	--	--	--	158	<216	470
SEP											
06...	129	--	--	--	--	--	--	--	169	273	--
DEC											
04...	--	--	--	--	--	--	--	--	--	--	--
280709081052201 - OSF- 7 (LAT 28 07 09 LONG 081 05 22)											
OCT , 1978											
03...	374	--	--	--	--	--	--	--	385	586	--
281559081260701 - OSF- 8 (LAT 28 15 59 LONG 081 26 07)											
OCT , 1978											
04...	96	--	--	--	--	--	--	--	115	421	--
DEC											
08...	96	--	--	--	--	--	--	--	117	657	--
MAR , 1979											
20...	98	.000	.00	<.010	<.20	--	.050	--	101	601	--
MAY											
30...	98	--	--	--	--	--	--	--	116	376	60
SEP											
04...	102	--	--	--	--	--	--	--	119	392	--
DEC											
04...	--	--	--	--	--	--	--	--	--	--	--
281937081245901 - OSF- 9 (LAT 28 19 37 LONG 081 24 59)											
APR , 1972											
13...	205	--	--	--	--	--	--	259	--	--	--
OCT , 1978											
10...	138	--	--	--	--	--	--	--	137	<286	--
DEC											
11...	146	--	--	--	--	--	--	--	134	294	--
MAR , 1979											
20...	140	.000	.00	.100	<.20	--	.060	--	158	250	--
MAY											
14...	--	--	--	--	--	--	--	--	138	--	--
31...	144	--	--	--	--	--	--	--	225	216	100
SEP											
11...	142	--	--	--	--	--	--	--	152	204	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
281937081250101 - OSF-10 (LAT 28 19 37 LONG 081 25 01)												
APR 1972												
13...	1000	8.0	230	26.0	5.3	32	7.0	5.7	6.0	.0	.2	130
AUG 1976												
17...	1115	--	240	25.0	5.9	33	.8	5.0	5.9	3.0	.1	136
17...	1200	--	242	30.0	--	--	--	--	--	--	.2	--
SEP 1977												
04...	1230	7.1	232	24.5	5.6	33	.9	5.5	5.7	1.3	.1	130
OCT 1978												
10...	0910	7.5	205	24.0	4.5	37	.7	6.0	4.7	19	--	--
DEC												
11...	1155	8.1	205	24.0	5.8	33	.7	5.4	5.0	<5.0	--	--
MAR 1979												
20...	1430	7.5	225	23.5	4.0	29	.7	5.0	<4.0	6.5	--	--
DEC												
04...	1030	--	220	--	--	--	--	--	6.2	1.3	--	--
280906081270101 - OSF-11 (LAT 28 09 05 LONG 081 27 01)												
SEP 1978												
29...	1345	7.6	180	24.5	<3.0	29	.6	6.3	4.9	17	--	118
DEC												
08...	0800	7.9	168	23.0	3.1	27	.6	5.7	5.8	5.9	--	108
JAN 1979												
24...	1000	--	--	--	3.8	25	.7	5.9	<4.0	11	--	--
24...	1300	--	--	--	4.2	26	1.0	5.9	4.3	--	--	--
MAR												
20...	0945	7.7	195	22.0	<3.0	26	1.0	5.6	4.2	30	--	128
MAY												
30...	1330	7.9	160	24.0	4.4	26	.6	5.6	7.0	18	--	110
SEP												
10...	1200	7.9	225	24.0	<3.0	28	.5	5.7	5.7	16	--	96
DEC												
04...	1500	--	194	--	3.1	27	.3	5.6	6.4	11	--	--
JAN 1980												
23...	1145	--	180	--	--	--	--	--	5.6	9.7	--	--
281443081140501 - OSF-12 (LAT 28 14 43 LONG 081 14 05)												
MAY 1973												
04...	1845	--	280	23.0	--	--	--	--	18	--	--	--
JAN 1974												
04...	1505	--	310	--	--	--	--	--	14	--	--	--
DEC 1978												
06...	1540	7.8	305	24.0	12	48	1.3	2.3	12	<5.0	--	--
MAR 1979												
22...	0930	7.4	302	24.5	12	48	1.5	2.4	11	12	--	--
SEP												
13...	1215	7.7	300	23.5	<3.0	22	.3	3.9	4.2	6.2	--	--
NOV												
16...	1230	--	--	--	--	--	--	--	11	.8	--	--
281356081290901 - OSF-13 (LAT 28 13 56 LONG 081 29 09)												
DEC 1978												
08...	1000	7.6	285	24.0	3.4	46	.8	7.3	5.4	<5.0	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CaCO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
281937081250101 - OSF-10 (LAT 28 19 37 LONG 081 25 01)											
APR , 1972											
13...	107	--	--	--	--	--	--	134	--	220	--
AUG , 1976											
17...	112	--	--	--	--	--	--	127	--	220	--
17...	--	--	--	--	--	--	--	174	--	--	--
SEP , 1977											
04...	110	--	--	--	--	.14	.060	126	--	170	40
OCT , 1978											
10...	134	--	--	--	--	--	--	131	--	<286	--
DEC											
11...	140	--	--	--	--	--	--	134	--	294	--
MAR , 1979											
20...	140	.000	.00	.100	<.20	--	.060	125	--	204	--
DEC											
04...	--	--	--	--	--	--	--	--	--	--	--
280905081270101 - OSF-11 (LAT 28 09 05 LONG 081 27 01)											
SEP , 1978											
29...	96	--	--	--	--	--	--	--	109	<296	--
DEC											
08...	87	--	--	--	--	--	--	--	111	217	--
JAN , 1979											
24...	--	--	--	--	--	--	--	--	97	262	--
24...	--	--	--	--	--	--	--	--	181	315	--
MAR											
20...	104	.000	.00	.050	<.20	--	.040	--	148	<198	--
MAY											
30...	89	--	--	--	--	--	--	--	122	<216	70
SEP											
10...	78	--	--	--	--	--	--	--	108	<187	--
DEC											
04...	--	.000	.00	.090	1.7	--	.400	--	111	<202	40
JAN , 1980											
23...	--	--	--	--	--	--	--	--	--	--	--
281443081140501 - OSF-12 (LAT 28 14 43 LONG 081 14 05)											
MAY , 1973											
04...	--	--	--	--	--	--	--	--	--	--	--
JAN , 1974											
04...	--	--	--	--	--	--	--	--	--	--	--
DEC , 1978											
06...	180	--	--	--	--	--	--	--	193	283	--
MAR , 1979											
22...	192	.000	.00	.170	<.20	--	.140	--	180	244	--
SEP											
13...	184	--	--	--	--	--	--	--	108	431	--
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--
281356081290901 - OSF-13 (LAT 28 13 56 LONG 081 29 09)											
DEC , 1978											
08...	174	--	--	--	--	--	--	--	178	272	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
281429081290501 - OSF-14 (LAT 28 14 29 LONG 081 29 05)												
DEC, 1978												
08...	1200	7.6	305	24.0	4.2	52	.9	7.8	5.6	26	--	--
MAR, 1979												
20...	1130	7.6	325	23.0	3.5	48	1.3	7.8	6.2	48	--	--
MAY												
30...	1400	7.6	345	24.0	3.5	49	1.0	7.8	8.1	37	--	--
SEP												
10...	1130	7.8	310	24.0	--	--	--	--	--	--	--	--
280632081050101 - OSF-15 (LAT 28 06 32 LONG 081 05 01)												
JAN, 1974												
09...	1100	7.8	789	23.0	65	55	3.6	27	120	42	1.0	197
DEC, 1978												
12...	1310	7.7	628	24.0	67	41	3.2	17	104	7.2	--	217
MAR, 1979												
22...	1430	7.7	860	24.0	92	57	4.0	26	171	12	--	268
SEP												
13...	1035	7.6	695	23.5	41	33	1.9	18	65	12	--	227
DEC												
05...	1045	--	930	--	--	--	--	--	180	39	--	--
281653081221101 - OSF-16 (LAT 28 16 53 LONG 081 22 11)												
DEC, 1978												
13...	1045	7.9	278	24.0	<2.9	29	.8	5.8	5.8	<5.0	--	--
MAR, 1979												
27...	1310	7.9	245	23.5	5.6	29	1.2	6.0	5.2	33	--	--
SEP												
13...	0830	7.7	190	24.0	<3.0	28	.8	5.7	11	12	--	--
NOV												
19...	1400	--	210	--	--	--	--	--	8.7	3.5	--	--
281440081150901 - OSF-17 (LAT 28 14 40 LONG 081 15 09)												
DEC, 1978												
13...	0640	7.5	312	24.0	15	54	1.2	7.8	17	10	--	--
MAR, 1979												
27...	1500	7.6	340	23.5	15	54	1.5	8.1	17	38	--	--
281006081162601 - OSF-18 (LAT 28 10 06 LONG 081 16 26)												
DEC, 1978												
13...	1230	7.4	390	24.0	18	52	1.4	8.3	33	16	--	--
MAR, 1979												
21...	0950	7.4	418	24.0	21	51	1.6	8.3	32	38	--	--
MAY												
25...	1400	7.8	445	24.0	19	52	1.3	7.7	36	12	--	--
SEP												
12...	1315	7.4	400	24.0	13	51	1.2	12	9.7	10	--	--
NOV												
19...	1500	--	460	--	--	--	--	--	46	23	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CaCO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS Sr)	IRON, DISSOLVED (UG/L AS Fe)
281429081290501 - OSF-14 (LAT 28 14 29 LONG 081 29 05)											
DEC 1978											
05...	162	--	--	--	--	--	--	--	205	845	--
MAR 1979											
20...	166	.000	.00	.160	.28	--	.090	--	202	730	--
MAY											
30...	162	--	--	--	--	--	--	--	221	376	110
SEP											
10...	164	--	--	--	--	--	--	--	--	--	--
280632081050101 - OSF-15 (LAT 28 06 32 LONG 081 05 01)											
JAN 1974											
09...	162	--	--	--	--	--	--	468	--	220	70
DEC 1978											
12...	178	--	--	--	--	--	--	--	354	1330	--
MAR 1979											
22...	220	.000	.00	.360	.55	--	.000	--	577	2558	--
SEP											
13...	186	--	--	--	--	--	--	--	--	<187	--
DEC											
05...	--	--	--	--	--	--	--	--	--	--	--
281653081221101 - OSF-16 (LAT 28 16 53 LONG 081 22 11)											
DEC 1978											
13...	124	--	--	--	--	--	--	--	126	332	--
MAR 1979											
27...	116	.000	.00	.100	<.20	--	.090	--	127	540	--
SEP											
13...	178	--	--	--	--	--	--	--	127	420	--
NOV											
19...	--	--	--	--	--	--	--	--	--	--	--
281440081150901 - OSF-17 (LAT 28 14 40 LONG 081 15 09)											
DEC 1978											
13...	224	--	--	--	--	--	--	--	236	764	--
MAR 1979											
27...	208	.000	.00	.350	.85	--	.050	--	227	935	--
281006081162601 - OSF-18 (LAT 28 10 06 LONG 081 16 26)											
DEC 1978											
13...	176	--	--	--	--	--	--	--	258	731	--
MAR 1979											
21...	206	.000	.01	.260	1.1	--	.060	--	253	924	--
MAY											
25...	174	--	--	--	--	--	--	--	281	462	290
SEP											
12...	176	--	--	--	--	--	--	--	275	668	--
NOV											
19...	--	--	--	--	--	--	--	--	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
275429081071901 - OSF-19 (LAT 27 54 29 LONG 081 07 19)												
DEC , 1978												
13...	1425	7.5	710	23.5	57	89	1.7	8.4	85	7.9	--	--
MAR , 1979												
21...	1230	7.6	730	24.0	57	82	2.1	8.6	84	14	--	--
MAY												
25...	1230	7.8	755	24.0	51	82	1.7	7.8	86	<5.0	--	--
SEP												
12...	1000	7.5	665	24.0	45	79	1.4	7.8	83	12	--	--
DEC												
05...	1400	--	710	--	--	--	--	--	84	7.6	--	--
274855080594401 - OSF-21 (LAT 27 48 56 LONG 080 59 44)												
DEC , 1979												
21...	1115	--	790	--	--	--	--	--	120	59	--	--
281714081093001 - OSF-22 (LAT 28 17 14 LONG 081 09 30)												
NOV , 1969												
20...	--	--	460	25.0	--	--	--	--	18	--	--	--
DEC , 1979												
06...	1900	--	630	--	--	--	--	--	14	3.6	--	--
06...	1901	--	--	--	13	81	.8	5.6	18	11	--	--
281037081075101 - OSF-24 (LAT 28 10 37 LONG 081 07 51)												
SEP , 1972												
11...	--	--	412	--	--	--	--	--	16	--	--	--
MAR , 1979												
22...	1245	7.6	345	22.0	20	110	1.1	2.5	11	12	--	345
APR												
24...	--	--	--	--	16	111	.6	2.3	16	14	--	--
DEC												
06...	--	--	--	--	20	116	.8	3.1	9.2	11	--	--
06...	1130	--	630	--	--	--	--	--	13	3.3	--	--
281955081370701 - OSF-25 (LAT 28 19 55 LONG 081 37 07)												
JAN , 1979												
23...	1000	--	--	--	<3.0	26	.6	5.3	4.3	--	--	--
23...	1300	--	--	--	<3.0	26	.6	5.3	4.3	--	--	--
281159081142801 - OSF-26 (LAT 28 11 59 LONG 081 14 28)												
JUN , 1978												
19...	1510	--	--	--	35	55	2.2	11	19	30	--	--
282051081133201 - OSF-27 (LAT 28 20 51 LONG 081 13 32)												
MAR , 1979												
21...	0720	7.2	610	23.0	32	81	2.3	12	48	24	--	--
MAY												
16...	--	--	715	--	--	--	--	--	54	--	--	--
21...	1200	7.0	685	24.0	31	92	1.9	14	57	--	--	--
NOV												
16...	0945	--	710	--	--	--	--	--	51	91	--	--

SEP • 1972											
11...	--	--	--	--	--	--	--	--	--	--	--
MAR • 1979											
22...	280	.000	.00	6.500	7.0	--	.000	--	370	342	--
APR											
24...	--	--	--	--	--	--	--	--	--	609	--
DEC											
05...	--	.000	.00	.490	1.2	--	.080	--	394	508	190
06...	--	--	--	--	--	--	--	--	--	--	--

281955081370701 - OSF-25 (LAT 28 19 55 LONG 081 37 07)

JAN • 1979											
23...	--	--	--	--	--	--	--	--	118	271	--
23...	--	--	--	--	--	--	--	--	105	271	--

281159081142801 - OSF-26 (LAT 28 11 59 LONG 081 14 28)

JUN • 1978											
19...	--	--	--	--	--	--	--	--	369	1192	--

282051081133201 - OSF-27 (LAT 28 20 51 LONG 081 13 32)

MAR • 1979											
21...	256	.000	.00	.510	1.3	--	.000	--	413	814	--
MAY											
15...	--	--	--	--	--	--	--	--	--	--	--
21...	254	--	--	--	--	--	--	--	597	621	490
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
275429081071901 - USF-19 (LAT 27 54 29 LONG 081 07 19)											
DEC , 1978											
13...	310	--	--	--	--	--	--	--	468	432	--
MAR , 1979											
21...	326	.000	.00	.550	1.1	--	.000	--	448	573	--
MAY											
25...	296	--	--	--	--	--	--	--	451	291	90
SEP											
12...	276	--	--	--	--	--	--	--	438	721	--
DEC											
05...	--	--	--	--	--	--	--	--	--	--	--
274835080594401 - USF-21 (LAT 27 48 56 LONG 080 59 44)											
DEC , 1978											
21...	--	--	--	--	--	--	--	--	--	--	--
261714081093001 - USF-22 (LAT 26 17 14 LONG 081 09 30)											
NOV , 1969											
20...	--	--	--	--	--	--	--	278	--	--	--
DEC , 1979											
05...	--	--	--	--	--	--	--	--	--	--	--
06...	--	.000	.00	.500	1.4	--	.210	--	298	413	50
261037081075101 - USF-24 (LAT 26 10 37 LONG 081 07 51)											

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
281341081261301 - OSF-28 (LAT 28 13 41 LONG 081 26 13)												
JUN 1972												
23...	1055	7.9	240	26.5	3.8	39	1.0	7.9	6.6	8.4	.1	162
280033081015801 - OSF-30 (LAT 28 00 33 LONG 081 01 58)												
NOV 1979												
20...	1430	--	1220	--	--	--	--	--	220	39	--	--
281719081134001 - OSF-31 (LAT 28 17 19 LONG 081 13 40)												
NOV 1979												
16...	1100	--	630	--	--	--	--	--	74	32	--	--
282000081344801 - OSF-32 (LAT 28 20 00 LONG 081 34 48)												
MAR 1979												
23...	0930	7.6	165	22.0	<3.0	24	.7	5.6	<4.0	22	--	--
MAY												
31...	0820	7.8	145	24.0	<3.0	22	.5	4.9	7.5	69	--	--
SEP												
11...	0950	7.9	190	24.0	--	--	--	--	--	--	--	--
281456081161101 - OSF-33 (LAT 28 14 56 LONG 081 16 11)												
DEC 1978												
11...	1310	7.6	370	24.0	11	58	1.1	8.3	11	37	--	--
MAR 1979												
21...	0845	7.3	370	23.0	10	54	1.4	8.0	10	6.5	--	--
MAY												
21...	1310	7.8	345	24.0	8.1	54	1.1	8.3	17	74	--	--
SEP												
13...	1430	7.7	375	24.5	--	--	--	--	--	--	--	--
MAR 1980												
12...	1400	7.3	375	26.0	11	53	1.1	7.9	12	40	.2	--
281146081211701 - OSF-34 (LAT 28 11 46 LONG 081 21 17)												
MAR 1979												
27...	1045	7.6	295	24.0	5.6	34	1.2	6.1	7.3	3.2	--	130
SEP												
14...	1350	7.7	265	23.5	--	--	--	--	--	--	--	--
DEC												
27...	1230	--	235	--	--	--	--	--	7.8	3.9	--	--
281802081352501 - OSF-35 (LAT 28 18 02 LONG 081 35 25)												
MAR 1979												
26...	0845	7.6	280	22.0	<3.0	45	1.6	2.5	5.6	25	--	--
MAY												
30...	1530	7.5	285	24.0	<3.1	45	2.2	2.6	9.2	23	--	--
SEP												
11...	0845	7.6	310	24.0	--	--	--	--	--	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
261341081281301 - OSF-28 (LAT 26 13 41 LONG 081 28 13)											
JUN 1972											
23...	133	--	--	--	--	--	--	174	--	350	30
280053081015801 - OSF-30 (LAT 28 00 53 LONG 081 01 58)											
NOV 1979											
20...	--	--	--	--	--	--	--	--	--	--	--
281719081134001 - OSF-31 (LAT 28 17 19 LONG 081 13 40)											
NOV 1979											
16...	--	--	--	--	--	--	--	--	--	--	--
282000081344801 - OSF-32 (LAT 28 20 00 LONG 081 34 48)											
MAR 1979											
23...	100	.000	.00	.070	<.20	--	.030	--	68	200	--
MAY											
31...	104	--	--	--	--	--	--	--	106	216	70
SEP											
11...	98	--	--	--	--	--	--	--	--	--	--
261455081161101 - OSF-33 (LAT 26 14 55 LONG 081 16 11)											
DEC 1978											
11...	158	--	--	--	--	--	--	--	243	1472	--
MAR 1979											
21...	190	.000	.00	.240	.53	--	.060	--	251	1450	--
MAY											
21...	174	--	--	--	--	--	--	--	264	999	120
SEP											
13...	182	--	--	--	--	--	--	--	--	--	--
MAR 1980											
12...	140	--	--	--	--	--	--	232	--	1300	--
281146081211701 - OSF-34 (LAT 28 11 46 LONG 081 21 17)											
MAR 1979											
27...	106	.000	.00	.210	<.20	--	.040	--	138	331	--
SEP											
14...	188	--	--	--	--	--	--	--	--	--	--
DEC											
27...	--	--	--	--	--	--	--	--	--	--	--
261802081352501 - OSF-35 (LAT 26 18 02 LONG 081 35 25)											
MAR 1979											
26...	228	.000	.28	.330	.60	--	.090	--	152	<198	--
MAY											
30...	168	--	--	--	--	--	--	--	171	<216	40
SEP											
11...	174	--	--	--	--	--	--	--	--	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CaCO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
281116081024101 - OSF-37 (LAT 28 11 16 LONG 081 02 41)											
MAR , 1979											
26...	284	--	--	--	--	--	--	--	--	--	--
26...	284	.000	.00	.670	.76	--	.000	--	343	2294	--
DEC											
13...	--	--	--	--	--	--	--	--	--	--	--
281457081172201 - OSF-38 (LAT 28 14 57 LONG 081 17 22)											
DEC , 1978											
11...	150	--	--	--	--	--	--	--	210	1300	--
275233080595101 - OSF-39 (LAT 27 52 33 LONG 080 59 51)											
JUN , 1979											
28...	--	--	--	--	--	--	--	--	--	--	--
DEC											
21...	170	--	--	--	--	--	--	--	411	2500	--
274307080582401 - OSF-42 (LAT 27 43 07 LONG 080 58 24)											
NOV , 1979											
30...	--	.000	.00	.500	.95	--	--	--	303	1000	0
281456081171701 - OSF-44 (LAT 28 14 56 LONG 081 17 17)											
OCT , 1979											
17...	--	.000	--	.190	--	--	--	--	--	1200	--
17...	--	--	--	--	--	--	--	--	--	--	--
NOV											
27...	--	--	--	--	--	--	--	--	--	--	--
28...	--	.000	--	.280	1.1	--	--	--	186	990	0
261532081345001 - POF- 1 (LAT 26 15 32 LONG 081 34 50)											
MAR , 1962											
27...	--	--	--	--	--	--	--	164	--	--	--
APR , 1971											
27...	--	.006	--	--	--	--	--	--	--	--	--
OCT , 1978											
11...	135	--	--	--	--	--	--	--	159	<286	--
DEC											
11...	168	--	--	--	--	--	--	--	165	283	--
APR , 1979											
17...	--	--	--	--	--	--	--	--	170	70	--
MAY											
30...	166	--	--	--	--	--	--	--	168	216	160
SEP											
14...	198	--	--	--	--	--	--	--	170	<187	--
261511081393101 - POF- 6 (LAT 26 15 11 LONG 081 39 31)											
OCT , 1978											
11...	43	--	--	--	--	--	--	--	70	<286	--
MAY , 1979											
30...	143	--	--	--	--	--	--	--	154	<216	340
SEP											
05...	156	--	--	--	--	--	--	--	179	<187	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
281116081024101 - OSF-37 (LAT 28 11 16 LONG 081 02 41)												
MAR , 1979												
26...	--	--	--	--	--	--	--	--	--	--	--	346
26...	0900	7.5	610	23.5	26	60	4.2	20	43	32	--	--
DEC												
13...	1450	--	650	--	--	--	--	--	65	11	--	--
281457081172201 - OSF-36 (LAT 28 14 57 LONG 081 17 22)												
DEC , 1978												
11...	1400	7.8	315	24.0	8.1	49	1.0	7.8	8.0	35	--	--
275233080595101 - OSF-39 (LAT 27 52 33 LONG 080 59 51)												
JUN , 1979												
28...	--	--	--	--	--	--	--	--	117	--	--	--
DEC												
21...	1145	--	740	--	65	65	2.0	14	110	35	.7	--
274307080582401 - OSF-42 (LAT 27 43 07 LONG 080 58 24)												
NOV , 1979												
30...	--	--	648	--	24	52	1.3	14	54	19	--	--
281456081171701 - OSF-44 (LAT 28 14 56 LONG 081 17 17)												
OCT , 1979												
17...	--	--	--	--	8.0	45	.4	6.5	9.2	78	--	--
17...	1000	--	315	--	--	--	--	--	9.7	37	--	--
NOV												
27...	1130	--	320	--	--	--	--	--	10	37	--	--
28...	--	--	--	--	6.1	48	.9	7.6	10	130	--	--
281532081345001 - POF- 1 (LAT 28 15 32 LONG 081 34 50)												
MAR , 1962												
27...	--	7.5	275	23.3	4.0	49	.7	2.8	6.0	.4	.0	160
APR , 1971												
27...	--	--	260	25.0	--	--	--	--	--	--	--	--
OCT , 1978												
11...	1400	6.8	169	24.7	3.5	52	.7	3.3	4.9	21	--	--
DEC												
11...	0930	7.7	238	24.0	3.9	50	.7	2.8	6.0	<5.0	--	--
APR , 1979												
17...	--	--	--	--	5.0	43	.7	2.6	6.4	14	--	--
MAY												
30...	1450	7.4	265	24.0	<3.1	47	.8	2.2	7.0	19	--	--
SEP												
14...	1130	7.4	270	24.0	<3.0	46	.6	2.1	6.6	10	--	--
281511081393101 - POF- 2 (LAT 28 15 11 LONG 081 39 31)												
OCT , 1978												
11...	1450	6.6	105	24.5	7.2	22	.7	2.1	4.9	21	--	52
MAY , 1979												
30...	0900	7.4	262	24.0	<3.1	50	.4	2.0	7.4	14	--	174
SEP												
05...	0845	7.5	324	25.5	<3.0	56	.5	2.6	8.4	8.2	--	190

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
261058081364201 - POF- 3 (LAT 28 10 58 LONG 081 36 42)												
OCT 1978												
12...	0830	7.2	204	23.3	<3.0	39	.8	4.1	4.5	10	--	--
DEC												
07...	1415	7.7	215	23.5	3.1	37	.7	4.0	6.9	<5.0	--	--
MAR 1979												
29...	1330	7.7	240	23.5	5.8	38	1.0	4.2	<4.0	28	--	--
APR												
17...	--	--	--	--	3.5	33	.4	4.1	5.3	14	--	--
MAY												
30...	1030	7.4	232	24.0	<3.1	36	.7	3.5	8.1	--	--	--
SEP												
14...	1000	7.5	220	24.0	<3.0	37	.6	3.6	6.2	10	--	--
260229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 521												
OCT 1978												
12...	1045	7.5	175	24.4	<3.0	24	.9	8.5	5.5	7.1	--	104
DEC												
05...	1750	7.8	155	24.0	3.1	26	.8	8.6	6.9	<5.0	--	124
MAR 1979												
29...	1030	7.9	215	23.0	5.8	27	1.2	8.6	4.6	30	--	126
APR												
18...	1000	--	--	--	5.8	23	.3	8.0	6.4	--	--	154
18...	1300	--	--	--	4.2	26	.4	8.9	5.9	13	--	--
MAY												
23...	1330	7.9	160	24.0	<3.1	25	.9	7.9	5.1	6.0	--	123
SEP												
10...	0845	7.7	252	24.0	<3.0	--	.8	8.3	6.0	13	--	--
DEC												
05...	1400	--	215	--	3.5	26	.5	8.3	<4.0	11	--	--
05...	1401	--	215	--	--	--	--	--	6.7	1.3	--	--
274815081130301 - POF- 5 (LAT 27 48 15 LONG 081 13 03)												
APR 1974												
26...	1130	--	571	--	33	61	1.8	19	78	1.3	1.8	220
OCT 1978												
12...	1330	7.2	490	24.2	40	66	1.4	14	105	6.9	--	--
DEC												
04...	1322	7.6	578	24.5	36	60	1.3	15	96	<5.0	--	--
MAR 1979												
19...	1045	7.5	645	23.5	39	62	1.6	15	97	26	--	--
MAY												
22...	0930	7.2	555	24.0	38	67	1.2	13	90	28	--	--
280153081274101 - POF- 6 (LAT 28 01 53 LONG 081 27 41)												
SEP 1978												
27...	1330	7.7	235	24.5	5.2	28	.9	7.6	8.4	16	--	--
DEC												
05...	1350	8.0	253	24.0	3.4	28	1.0	7.4	8.9	12	--	--
MAR 1979												
29...	0910	7.9	235	24.0	6.2	28	1.4	7.7	7.5	20	--	--
MAY												
23...	1400	8.1	205	24.0	<3.1	29	1.1	7.0	11	14	--	--
SEP												
05...	1000	7.9	252	25.5	<3.0	26	.9	6.5	8.6	23	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
281058081364201 - POF- 3 (LAT 28 10 58 LONG 081 36 42)											
OCT , 1978											
12...	117	--	--	--	--	--	--	--	124	<286	--
DEC											
07...	142	--	--	--	--	--	--	--	138	<204	--
MAR , 1979											
29...	156	.000	.00	.310	.38	--	.040	--	136	<198	--
APR											
17...	--	--	--	--	--	--	--	--	126	70	--
MAY											
30...	136	--	--	--	--	--	--	--	143	<216	520
SEP											
14...	154	--	--	--	--	--	--	--	154	579	--
280229081325201 - POF- 4 (LAT 28 02 29 LONG 081 32 52)											
OCT , 1978											
12...	84	--	--	--	--	--	--	--	129	317	--
DEC											
05...	100	--	--	--	--	--	--	--	133	371	--
MAR , 1979											
29...	102	.000	.00	.090	<.20	--	.020	--	117	353	--
APR											
18...	126	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	100	250	--
MAY											
23...	100	--	--	--	--	--	--	--	138	<216	200
SEP											
10...	126	--	--	--	--	--	--	--	138	243	--
DEC											
05...	--	.000	.00	.180	.45	--	.030	--	--	<202	60
05...	--	--	--	--	--	--	--	--	--	--	--
274815081130301 - POF- 5 (LAT 27 48 15 LONG 081 13 03)											
APR , 1978											
26...	180	--	--	--	--	--	--	417	--	1100	--
OCT , 1978											
12...	188	--	--	--	--	--	--	--	437	1291	--
DEC											
04...	164	--	--	--	--	--	--	--	407	1728	--
MAR , 1979											
19...	208	.000	.00	.610	1.1	--	.010	--	--	1829	--
MAY											
22...	196	--	--	--	--	--	--	--	484	1170	280
280153081274101 - POF- 6 (LAT 28 01 53 LONG 081 27 41)											
SEP , 1978											
27...	90	--	--	--	--	--	--	--	131	441	--
DEC											
05...	90	--	--	--	--	--	--	--	140	415	--
MAR , 1979											
29...	92	.040	1.1	.000	<.20	--	.020	--	159	463	--
MAY											
23...	96	--	--	--	--	--	--	--	153	<216	110
SEP											
05...	92	--	--	--	--	--	--	--	148	342	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
275805081321901 - POF- 7 (LAT 27 58 05 LONG 081 32 19)												
SEP , 1978												
26...	1442	8.2	140	23.5	5.9	17	.5	4.2	6.3	7.4	--	--
DEC												
05...	1230	8.3	120	23.0	<2.9	16	.5	4.2	7.7	<5.0	--	--
MAR , 1979												
29...	0730	7.9	90	23.0	4.5	8.4	.9	3.0	5.2	18	--	--
MAY												
23...	1235	8.6	105	24.0	<3.1	16	.5	4.0	8.1	6.0	--	--
SEP												
05...	1100	8.7	103	23.0	3.2	--	.5	3.8	5.8	9.3	--	--
DEC												
04...	1530	--	--	--	--	--	--	--	8.7	2.5	--	--
274845081262001 - POF- 8 (LAT 27 48 45 LONG 081 26 20)												
MAY , 1970												
07...	--	--	160	25.0	--	--	--	--	5.5	--	--	--
APR , 1971												
29...	--	--	168	24.0	--	--	--	--	7.5	--	--	--
SEP , 1978												
26...	0745	8.2	165	24.5	5.2	16	.8	6.9	5.9	9.4	--	--
DEC												
04...	1750	7.7	150	24.0	<2.9	17	.5	6.8	7.9	<5.0	--	--
MAR , 1979												
28...	1700	8.2	165	23.0	5.5	18	.9	6.9	5.8	18	--	--
MAY												
23...	0850	8.3	145	24.0	<3.1	16	.8	6.4	8.3	<5.0	--	--
SEP												
05...	1600	8.3	165	25.5	3.3	--	.4	6.1	6.8	<5.0	--	--
273903081185201 - POF- 9 (LAT 27 39 03 LONG 081 21 06)												
SEP , 1978												
26...	1330	7.1	150	24.5	4.2	18	.4	6.4	4.3	13	--	--
DEC												
12...	1530	7.6	150	23.3	5.2	--	.4	5.9	4.8	<5.0	--	--
MAR , 1979												
29...	1302	7.4	149	25.4	<3.0	16	.6	5.6	7.3	26	--	--
MAY												
17...	1040	--	162	24.4	<3.1	15	.8	7.3	8.1	--	--	--
SEP												
12...	1200	7.6	151	--	<3	16	.5	4.4	4.2	6.9	--	--
273959081215601 - POF-10 (LAT 27 39 59 LONG 081 21 56)												
SEP , 1978												
28...	1140	8.1	155	24.5	3.9	18	.5	6.7	<4.0	13	--	--
DEC												
12...	1310	7.6	157	--	6.6	--	.5	7.2	5.6	<5.0	--	--
MAR , 1979												
29...	1400	7.5	157	--	<3.0	18	.7	6.6	<4.0	26	--	--
MAY												
17...	0850	--	157	26.0	<3.1	16	.6	6.4	<4.0	<5.0	--	--
SEP												
12...	1042	7.5	159	--	<3.0	--	1.8	4.7	--	11	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
275805081321901 - POF- 7 (LAT 27 58 05 LONG 081 32 19)											
SEP 1978											
28...	54	--	--	--	--	--	--	--	83	379	--
DEC											
05...	56	--	--	--	--	--	--	--	94	305	--
MAR 1979											
29...	50	.000	.00	.050	.70	--	.000	--	43	255	--
MAY											
23...	51	--	--	--	--	--	--	--	93	<216	50
SEP											
05...	56	--	--	--	--	--	--	--	104	204	--
DEC											
04...	--	--	--	--	--	--	--	--	--	--	--
274845081262001 - POF- 8 (LAT 27 48 45 LONG 081 26 20)											
MAY 1970											
07...	--	--	--	--	--	--	--	--	--	--	--
APR 1971											
29...	--	--	--	--	--	--	--	--	--	--	--
SEP 1978											
28...	90	--	--	--	--	--	--	--	92	950	--
DEC											
04...	86	--	--	--	--	--	--	--	102	856	--
MAR 1979											
29...	90	.000	.00	.130	.22	--	.010	--	86	924	--
MAY											
23...	94	--	--	--	--	--	--	--	100	425	120
SEP											
05...	93	--	--	--	--	--	--	--	112	491	--
273903081165201 - POF- 9 (LAT 27 39 03 LONG 081 21 08)											
SEP 1978											
28...	74	--	--	--	--	--	--	--	132	1900	--
DEC											
12...	91	--	--	--	--	--	--	--	91	2000	--
MAR 1979											
29...	--	.000	.00	<.010	<.20	--	.010	--	--	2000	--
MAY											
17...	87	--	--	--	--	--	--	--	87	2200	130
SEP											
12...	95	--	--	--	--	--	--	--	95	856	--
273959081215601 - POF-10 (LAT 27 39 59 LONG 081 21 56)											
SEP 1978											
28...	82	--	--	--	--	--	--	--	89	2500	--
DEC											
12...	69	--	--	--	--	--	--	--	98	2500	--
MAR 1979											
29...	66	.000	.00	.020	<.20	--	<.010	--	--	2624	--
MAY											
17...	--	--	--	--	--	--	--	--	121	2700	--
SEP											
12...	60	--	--	--	--	--	--	--	94	1200	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
273954081230601 - POF-11 (LAT 27 39 54 LONG 081 21 551												
SEP 1978												
28...	1230	7.8	155	24.5	4.4	18	.8	7.4	4.0	13	--	102
DEC												
12...	1322	7.4	163	20.5	5.8	18	.5	7.0	4.8	<5.0	--	87
MAR 1979												
29...	1401	7.6	159	--	<3.0	18	.7	6.9	<4.0	25	--	93
MAY												
17...	0900	--	153	--	<3.1	15	.7	7.1	10	5.0	--	--
SEP												
12...	1100	7.4	153	--	<3.0	18	.4	7.2	5.7	7.4	--	79
273924081213601 - POF-12 (LAT 27 39 24 LONG 081 21 36)												
SEP 1978												
28...	1440	7.2	155	24.5	4.5	18	.5	6.4	<4.0	14	--	--
MAR 1979												
29...	1525	7.8	163	23.9	<3.0	18	.9	7.1	<4.0	24	--	--
MAY												
17...	0945	--	147	26.0	<3.1	15	.6	5.9	8.1	<5.0	--	--
SEP												
12...	1310	7.3	161	25.1	<3.0	18	.4	5.7	4.2	12	--	--
275634081211801 - POF-13 (LAT 27 56 34 LONG 081 21 18)												
SEP 1978												
28...	1550	7.6	182	24.5	3.9	20	1.0	7.0	4.7	8.8	--	--
DEC												
05...	0910	7.6	155	24.0	<2.9	19	1.0	7.6	10	<5.0	--	--
MAR 1979												
28...	1300	7.6	168	23.0	4.2	19	1.3	7.6	4.6	35	--	--
MAY												
23...	1030	8.1	160	24.0	<3.1	18	1.0	7.1	5.1	<5.0	--	--
SEP												
05...	1310	8.3	169	25.5	3.7	--	.9	6.1	5.3	<5.0	--	--
DEC												
04...	1600	--	183	--	--	--	--	--	12	4.2	--	--
280559081314801 - POF-14 (LAT 28 05 58 LONG 081 31 48)												
SEP 1978												
27...	1045	7.4	190	24.5	3.5	23	.4	5.4	6.9	13	--	--
DEC												
07...	1530	8.1	175	24.0	<2.9	23	.4	5.3	6.9	11	--	--
MAR 1979												
29...	1100	7.7	192	24.0	4.5	24	.6	6.8	<4.0	25	--	--
APR												
19...	--	--	--	--	3.6	21	.3	6.0	5.3	18	--	--
MAY												
30...	1200	8.1	178	24.0	<3.1	32	.6	4.3	8.1	21	--	--
SEP												
11...	0730	8.1	210	24.5	<3.0	16	1.0	4.8	7.5	16	--	--
275622081252301 - POF-15 (LAT 27 56 22 LONG 081 25 23)												
DEC 1978												
05...	1050	7.8	135	24.0	<2.9	14	.8	7.8	6.9	<5.0	--	--
MAR 1979												
28...	1430	7.9	172	23.5	4.2	14	1.2	8.2	<4.0	24	--	--
MAY												
23...	1200	8.3	135	24.0	<3.1	13	.8	7.2	5.6	<5.0	--	--
SEP												
05...	1450	8.1	168	25.0	3.3	13	1.0	6.5	6.4	<5.0	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
273954081230601 - POF-11 (LAT 27 39 54 LONG 081 23 35)											
SEP 1978											
28...	84	--	--	--	--	--	--	--	88	2500	--
DEC											
12...	71	--	--	--	--	--	--	--	91	2500	--
MAR 1979											
29...	76	.000	.00	.020	1.1	--	<.010	--	--	2600	--
MAY											
17...	--	--	--	--	--	--	--	--	114	2500	--
SEP											
12...	65	--	--	--	--	--	--	--	110	1100	--
273924081213601 - POF-12 (LAT 27 39 24 LONG 081 21 36)											
SEP 1978											
28...	80	--	--	--	--	--	--	--	85	1934	--
MAR 1979											
29...	73	.000	.00	.030	.28	--	.000	--	--	2295	--
MAY											
17...	--	--	--	--	--	--	--	--	105	1842	140
SEP											
12...	87	--	--	--	--	--	--	--	89	945	--
275634081211801 - POF-13 (LAT 27 56 34 LONG 081 21 18)											
SEP 1978											
28...	96	--	--	--	--	--	--	--	99	1872	--
DEC											
05...	94	--	--	--	--	--	--	--	115	2045	--
MAR 1979											
28...	94	.000	.00	.090	.22	--	.000	--	124	1998	--
MAY											
23...	98	--	--	--	--	--	--	--	122	1145	120
SEP											
05...	109	--	--	--	--	--	--	--	102	797	--
DEC											
04...	--	--	--	--	--	--	--	--	--	--	--
280558081314601 - POF-14 (LAT 28 05 58 LONG 081 31 46)											
SEP 1978											
27...	88	--	--	--	--	--	--	--	104	296	--
DEC											
07...	92	--	--	--	--	--	--	--	112	206	--
MAR 1979											
29...	86	.000	.00	<.010	.26	--	.030	--	134	233	--
APR											
19...	--	--	--	--	--	--	--	--	108	126	--
MAY											
30...	86	--	--	--	--	--	--	--	123	<216	50
SEP											
11...	92	--	--	--	--	--	--	--	96	204	--
275622081252301 - POF-15 (LAT 27 56 22 LONG 081 25 23)											
DEC 1978											
05...	94	--	--	--	--	--	--	--	97	5234	--
MAR 1979											
28...	92	.000	.00	.040	<.20	--	.000	--	78	4707	--
MAY											
23...	92	--	--	--	--	--	--	--	100	3930	80
SEP											
05...	92	--	--	--	--	--	--	--	95	2211	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	TIME	PH FIELD (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	SODIUM, DISSOLVED (MG/L AS NA)	CALCIUM DISSOLVED (MG/L AS CA)	POTASSIUM, DISSOLVED (MG/L AS K)	MAGNESIUM, DISSOLVED (MG/L AS MG)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	BICARBONATE (MG/L AS HCO3)
274746081202201 - POF-17 (LAT 27 47 46 LONG 081 20 22)												
MAR 1979												
27...	1600	8.1	202	23.5	5.5	19	1.2	9.3	<4.0	22	--	--
MAY												
22...	1240	8.1	185	23.5	3.1	19	.8	8.5	11	7.4	--	--
274553081115601 - POF-18 (LAT 27 45 53 LONG 081 11 56)												
MAY 1979												
22...	1030	7.4	542	24.0	35	73	1.2	11	42	8.8	--	--
SEP												
06...	1030	7.5	642	24.5	32	74	.5	8.3	32	<5.0	--	--
275137081252501 - POF-19 (LAT 27 51 37 LONG 081 25 25)												
MAY 1979												
22...	1440	8.3	130	24.0	<3.1	16	.5	5.8	5.9	6.0	--	--
SEP												
06...	0800	7.9	130	26.0	3.3	--	.4	4.8	4.6	5.4	--	--
JAN 1980												
15...	1045	--	150	--	--	--	--	--	4.7	3.4	--	--

TABLE 3. WATER-QUALITY DATA - CONTINUED

DATE	ALKALINITY (MG/L AS CACO3)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	STRONTIUM, DISSOLVED (UG/L AS SR)	IRON, DISSOLVED (UG/L AS FE)
274746081202201 - POF-17 (LAT 27 47 46 LONG 081 20 22)											
MAR 1979											
27...	106	.000	.00	.080	.22	--	.000	--	128	4093	--
MAY											
22...	114	--	--	--	--	--	--	--	130	3601	50
274553081115601 - POF-18 (LAT 27 45 53 LONG 081 11 56)											
MAY 1979											
22...	324	--	--	--	--	--	--	--	355	1182	690
SEP											
06...	344	--	--	--	--	--	--	--	370	836	--
275137081252501 - POF-19 (LAT 27 51 37 LONG 081 25 25)											
MAY 1979											
22...	88	--	--	--	--	--	--	--	96	1537	150
SEP											
06...	88	--	--	--	--	--	--	--	78	1133	--
JAN 1980											
15...	--	--	--	--	--	--	--	--	--	--	--

SPECIFIC CAPACITY DATA

Specific capacity data were collected at 11 wells. Table 4 includes station numbers, date tested, depths to water level, discharge, hours pumped, and specific capacity.

Table 4. Specific Capacity Data

SFWMD STATION NUMBER	DATE PUMPED	DEPTH TO WATER LEVEL (FT) BEFORE PUMPING	DEPTH TO WATER LEVEL (FT) AFTER PUMPING	DISCHARGE (GPM)	NUMBER OF HOURS PUMPED	SPECIFIC CAPACITY (GPD/FT)
OKF-18	11/28/79	19.92	37.11	270	1	16
OKF-34	11/28/79	19.20	33.95	390	1	26
OKF-54	11/29/79	27.02	27.66	390	2	610
OSF-2	12/05/79	18.06	19.18	310	1	280
OSF-11	07/08/79	1.57	19.42	300	5	17
OSF-11	12/05/79	.35	4.23	115	1	30
OSF-26	06/12/78	29.11	32.67	430	5	120
OSF-42	11/29/79	25.60	28.62	110	2	36
OSF-31	03/07/79	31.94	36.80	326	1	66
OSF-44	11/27/79	27.45	30.72	260	5	80
POF-2	08/01/79	65.05	78.54	240	5	18
POF-4	12/01/79	13.08	15.80	390	3	140
POF-4	12/04/79	13.17	13.76	270	1	460

GEOPHYSICAL DATA

Geologic and geophysical data were collected at 45 sites as summarized in Table 5. The geologic logs collected at 7 sites are listed in Table 6. The geophysical logs for each of the 43 wells surveyed are shown in Figure 3. The following geophysical surveys were made for this study:

(1) caliper;

(2) 6-foot lateral resistivity (6-foot lateral res.);

(3) 16- and 64-inch normal resistivities (16, 64-inch normal res.)

(4) spontaneous potential (spon. pot.);

(5) natural gamma ray (natural gamma);

(6) neutron porosity (neutron);

(7) flowmeter;

(8) temperature gradient (temp.);

(9) differential temperature (diff. temp.);

(10) fluid resistivity (fluid res.); and

(11) casing collar locator (c.c.l.).

Field logs were digitized and computer generated plots produced with all logs for a given well on one page (Figure 3). Casing collar locator and differential temperature logs were made but are not shown. The 6-foot lateral resistivity log is included only when 16-inch and 64-inch normal resistivity logs were not made. Flowmeter, fluid resistivity, temperature, and differential temperature were collected under discharge conditions as indicated in Table 5.

Listed above each suite of logs (Figure 3) are the SFWMD well number and the date the logs were made. The depth scale for all logs is 1 inch = 100 feet. The calibrated scales, which vary somewhat from well to well, are given in units shown above the log.

Table 5.——Summary of geologic and geographical data colleted

SFWMD ID NO.	USGS ID NO.	GEOL. LOG	CALIPER	6 FT. LATERAL RES.	16, 64 IN. NORMAL RES.	SPON. POT.	NATURAL GAMMA	NEUTRON	FLOWMETER	TEMP.	DIFF. TEMP.	FLUID RES.	C.C.L.	DISCHARGE METHOD
GLF- 1	270848080552401		x		x	x	x	x	x	x	x	x	x	A
MF -20	270930080362001	x	x		x	x	x	x	x	x	x		x	A
OKF- 2	273238080424201		x	x	x	x	x	x	x	x		x	x	A
OKF- 3	271110080414501		x				x	x		x	x	x	x	
OKF- 6	272318080561901		x	x	x	x	x	x		x	x	x	x	
OKF- 7	272158080470901			x		x	x	x	x	x	x	x	x	B
OKF-17	272010080550801		x	x	x	x	x	x	x	x	x	x	x	B
OKF-18	272726081003901		x	x	x		x		x	x			x	B
OKF-19	272701080575501		x	x	x	x	x	x	x	x	x	x	x	B
OKF-29	272630080503001	x	x		x	x	x	x	x	x	x	x	x	B
OKF-34	273152081012701		x		x	x	x	x					x	
OKF-36	273121081013901		x	x	x	x	x	x	x	x	x	x	x	C
OKF-37	272852080595801		x	x	x	x	x		x	x			x	C
OKF-54	273740080551201		x	x	x	x	x	x	x	x	x	x	x	C
OPF- 7	282545081240901		x	x		x	x						x	
OPF-15	282051081183401		x	x	x	x	x	x					x	
OPF-21	282141081241701		x	x	x	x	x	x					x	
OPF-25	282241081112801		x	x	x	x	x	x					x	
OPF-31	282739081341401		x				x	x					x	
OPF-34	282611081320501		x	x			x	x						
OSF- 2	281802081351601								x					C
OSF- 3	275222081030701		x		x	x	x	x					x	
OSF- 5	281536081224801		x	x	x	x	x	x	x	x			x	A
OSF- 9	281937081245901		x	x	x	x	x	x	x	x	x	x	x	C
OSF-11	280905081270101		x	x	x	x	x	x	x	x	x		x	C
OSF-19	275429081071901		x				x	x					x	
OSF-22	281714081093001		x		x		x	x	x	x	x	x	x	C
OSF-24	281037081075101		x	x	x	x	x	x	x	x	x	x	x	D
OSF-25	281955081370701	x	x	x	x	x	x	x		x	x		x	
OSF-26	281159081142801	x	x	x	x	x	x	x		x		x	x	
OSF-27	282051081133201	x	x	x	x	x	x	x		x	x	x	x	
OSF-31	281719081134001	x												
OSF-33	281456081161101		x		x	x	x	x					x	
OSF-39	275233080595101		x	x	x	x	x	x		x	x		x	
OSF-41	274400081043101		x	x	x	x								
OSF-42	274307080582401		x	x	x	x	x	x	x	x	x	x	x	C
OSF-44	281456081171701		x	x	x		x	x	x				x	C
OSF-45	282046081135801	x												
POF- 1	281532081345001		x	x	x	x	x	x		x	x	x	x	
POF- 2	281511081393101		x	x	x	x	x	x					x	
POF- 3	281058081364201		x	x	x	x	x	x	x	x	x	x	x	B
POF- 4	280229081325201		x	x	x	x	x	x	x	x	x	x	x	B
POF- 5	274815081130301		x	x	x	x	x	x	x	x	x	x	x	
POF-12	273924081213801		x	x	x	x	x	x	x	x	x	x	x	A
POF-14	280558081314801		x	x	x	x	x	x	x	x	x	x	x	B

*A—natural flow; B—air line; C—submersible pump; D—centrifugal pump

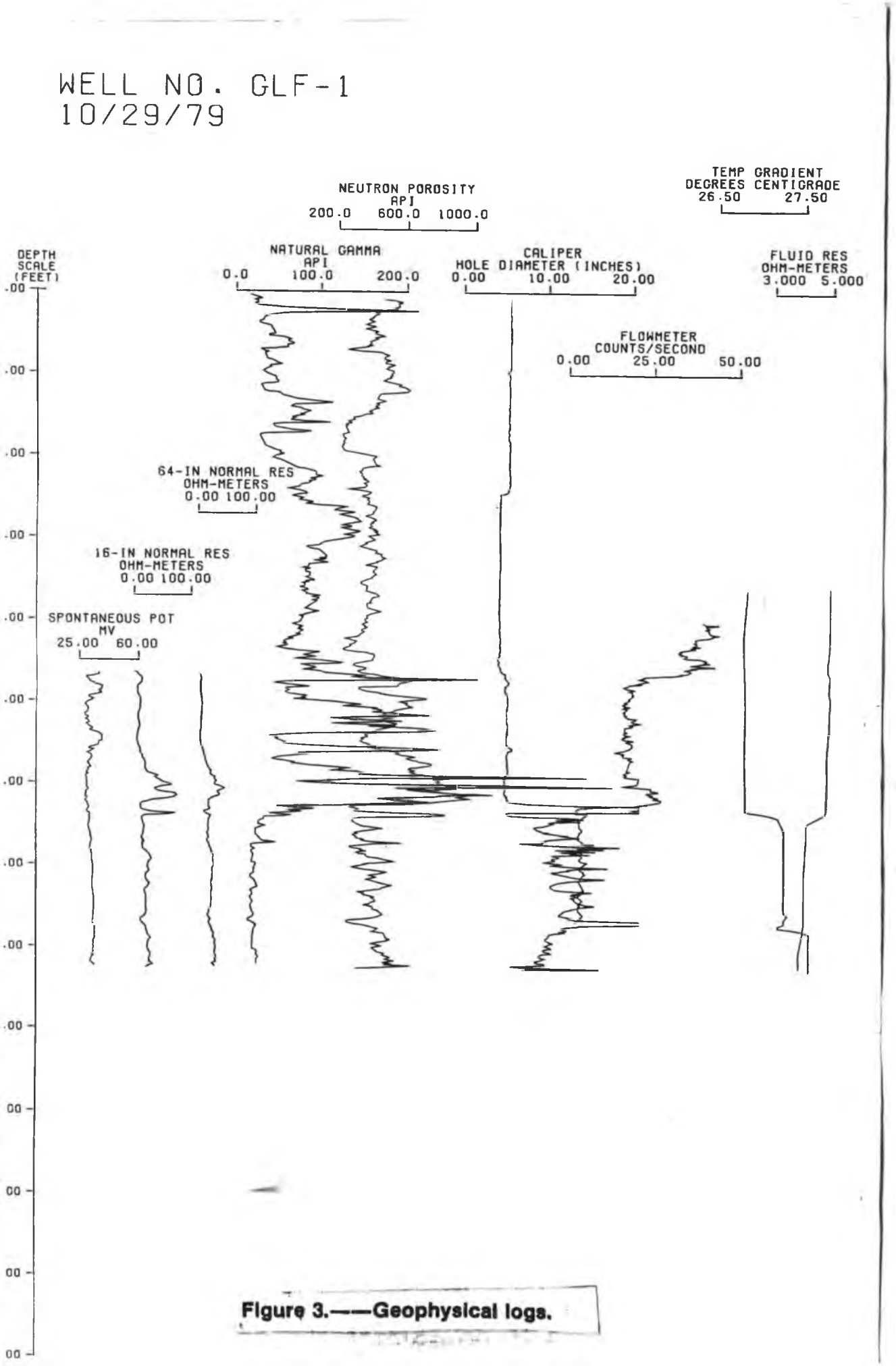


Figure 3.——Geophysical logs.

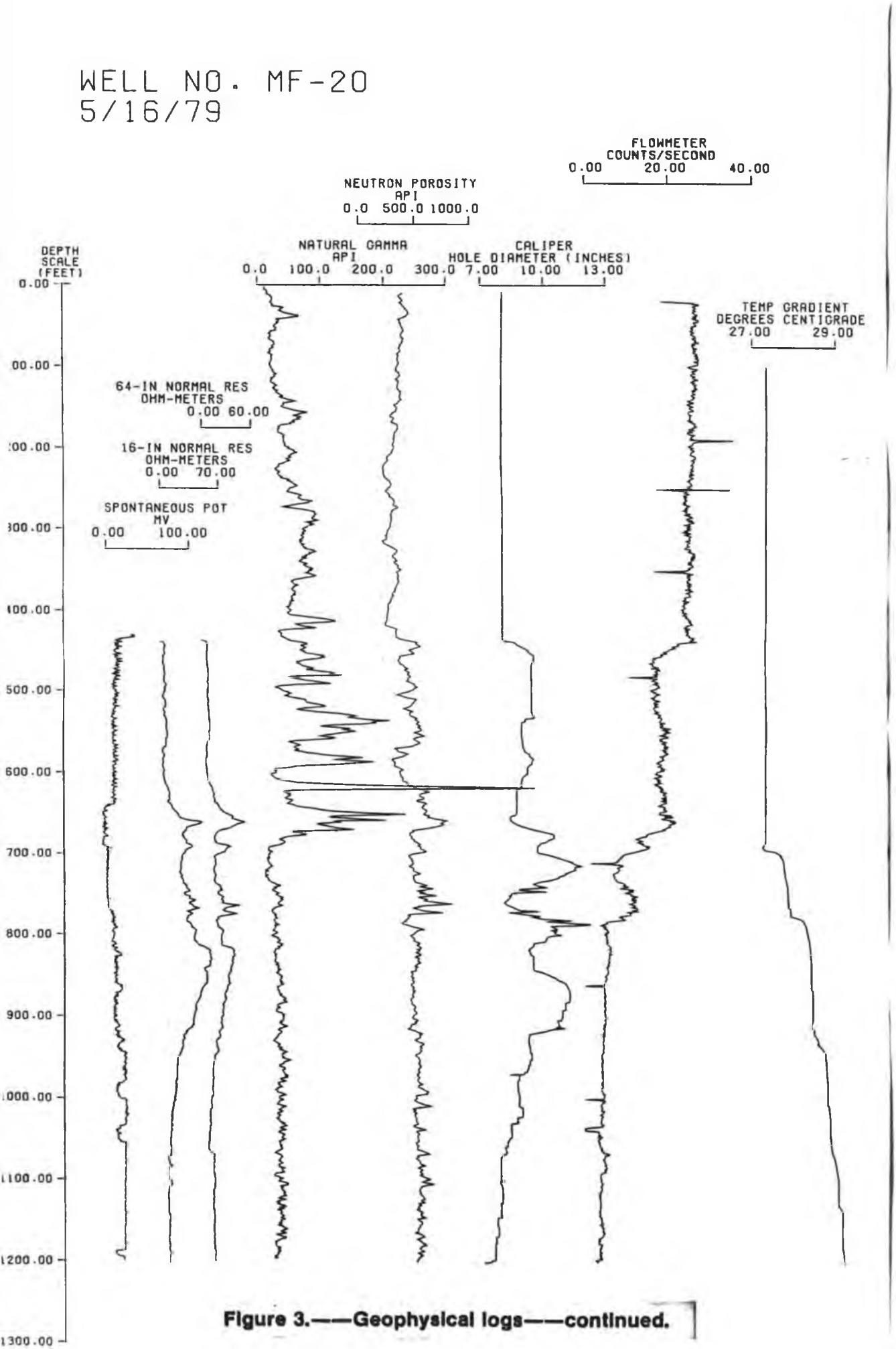


Figure 3.——Geophysical logs——continued.

WELL NO. OKF-2
12/13/77

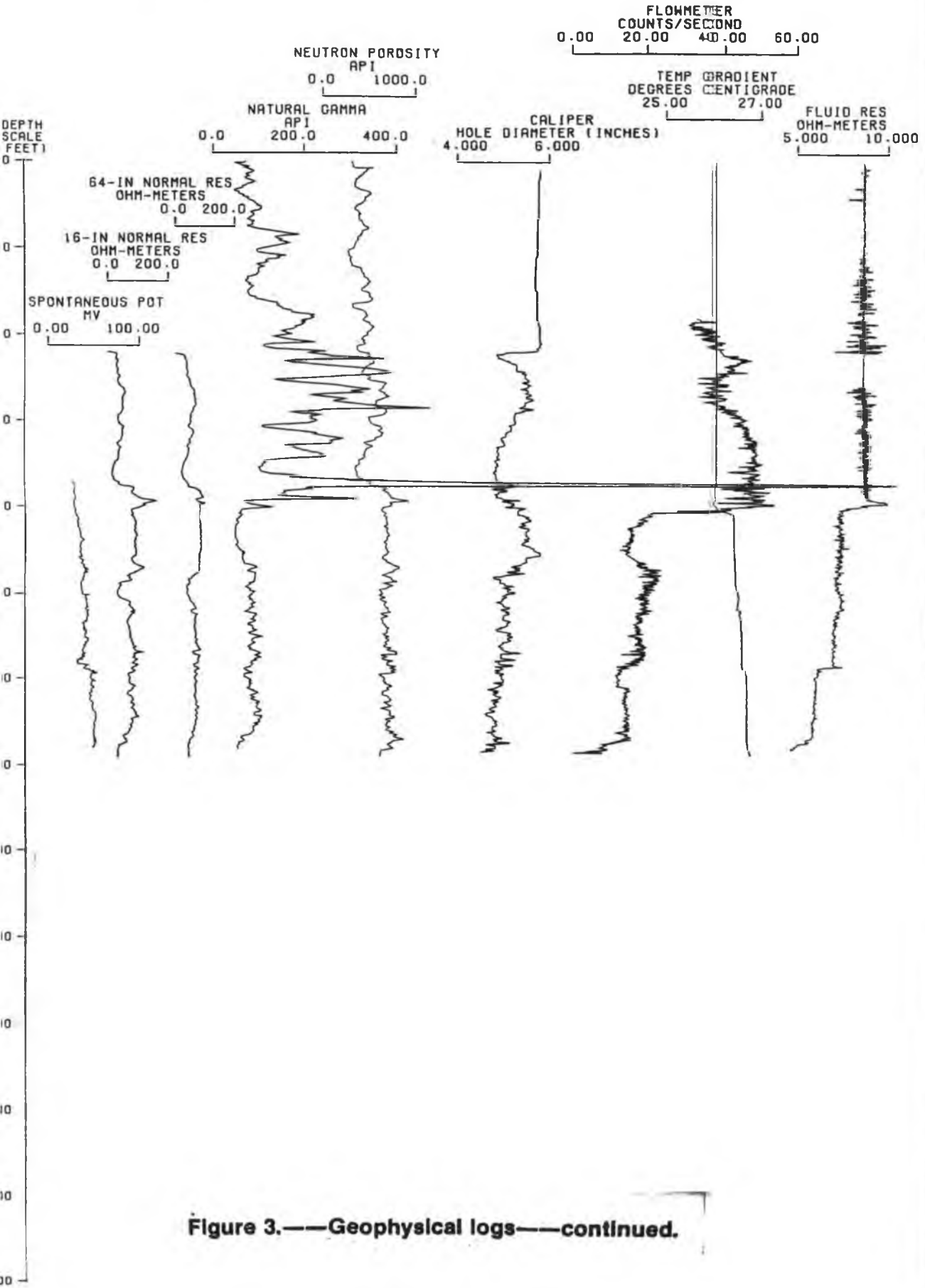


Figure 3.——Geophysical logs——continued.

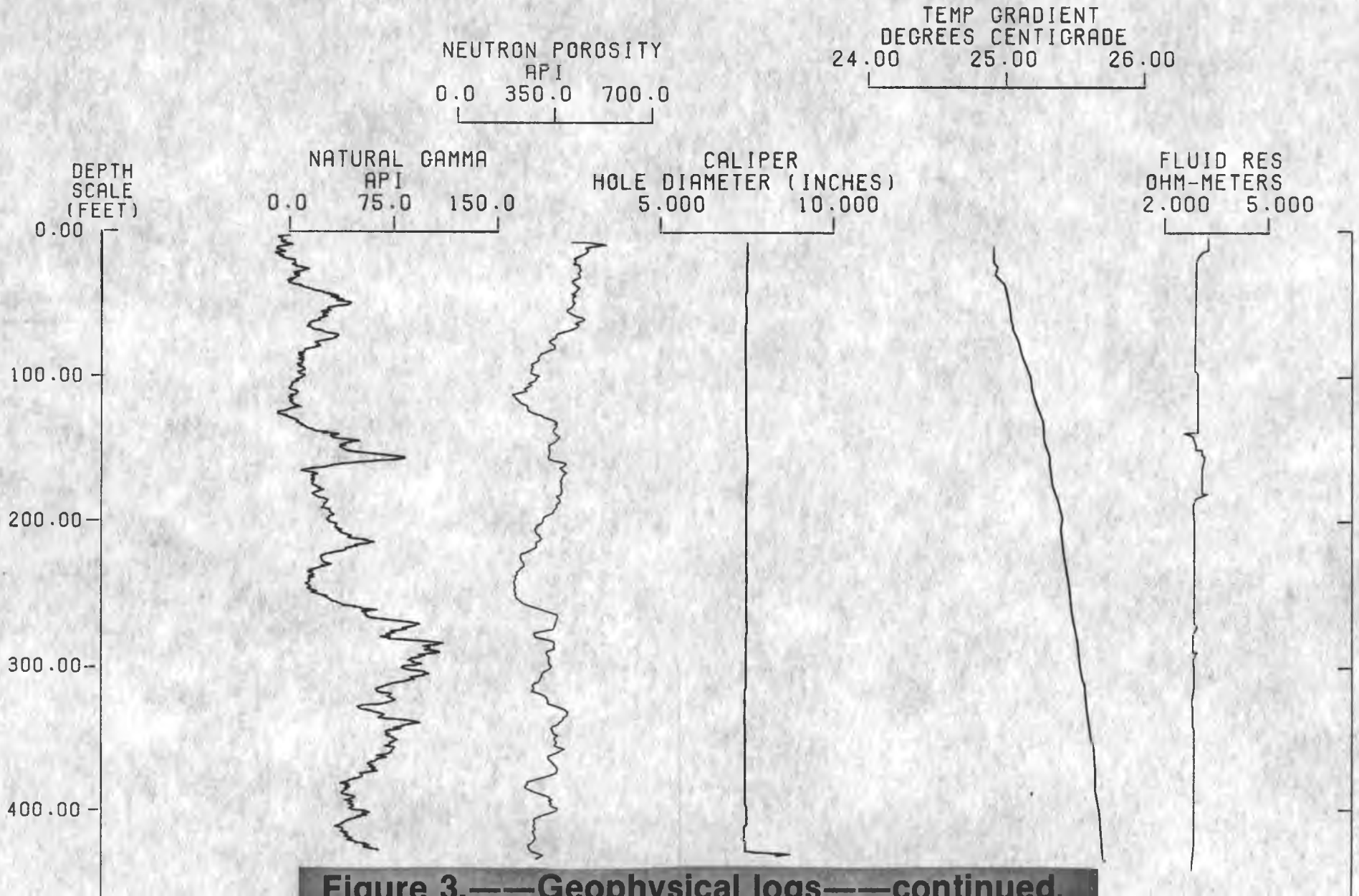


Figure 3.——Geophysical logs——continued.

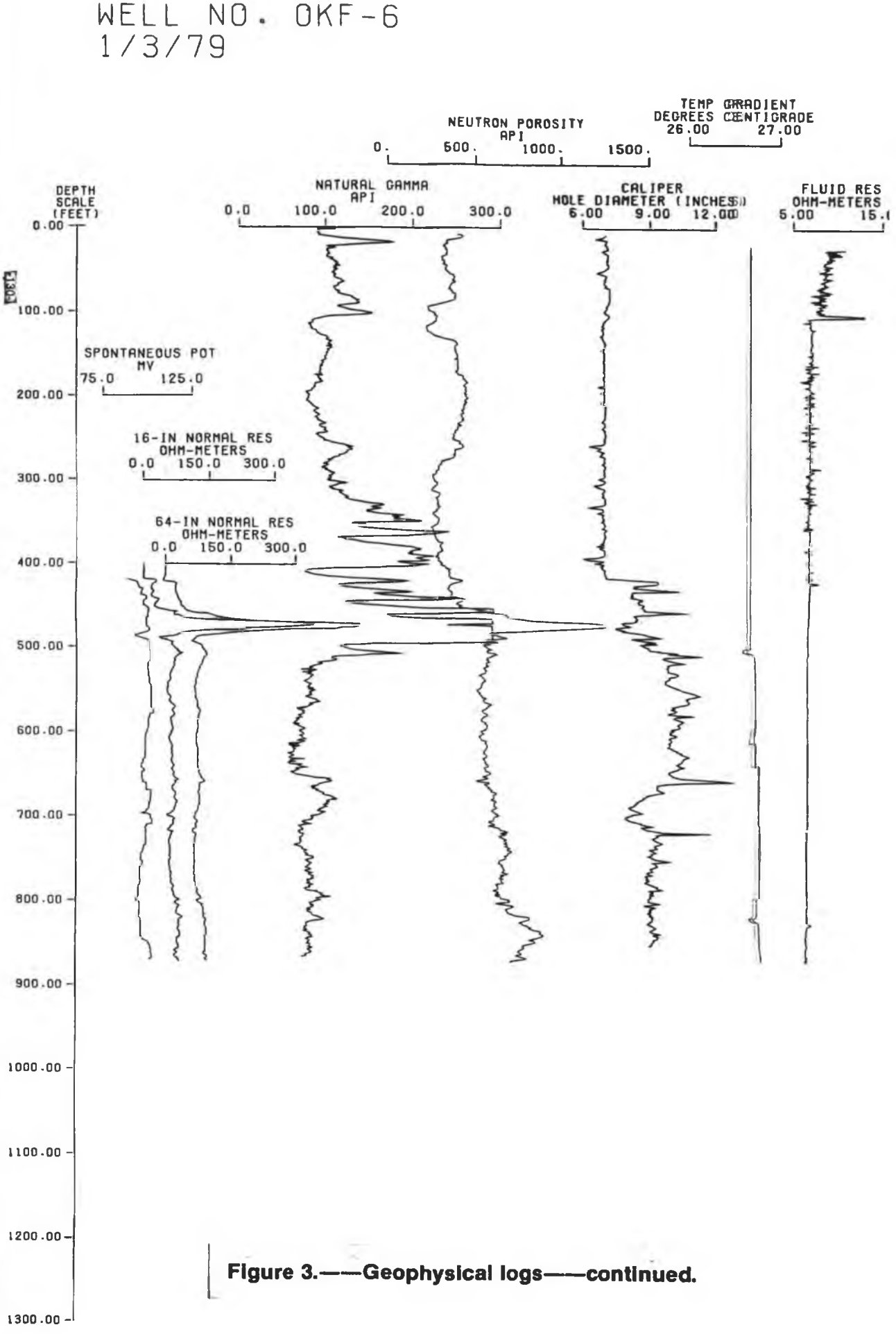


Figure 3.——Geophysical logs——continued.

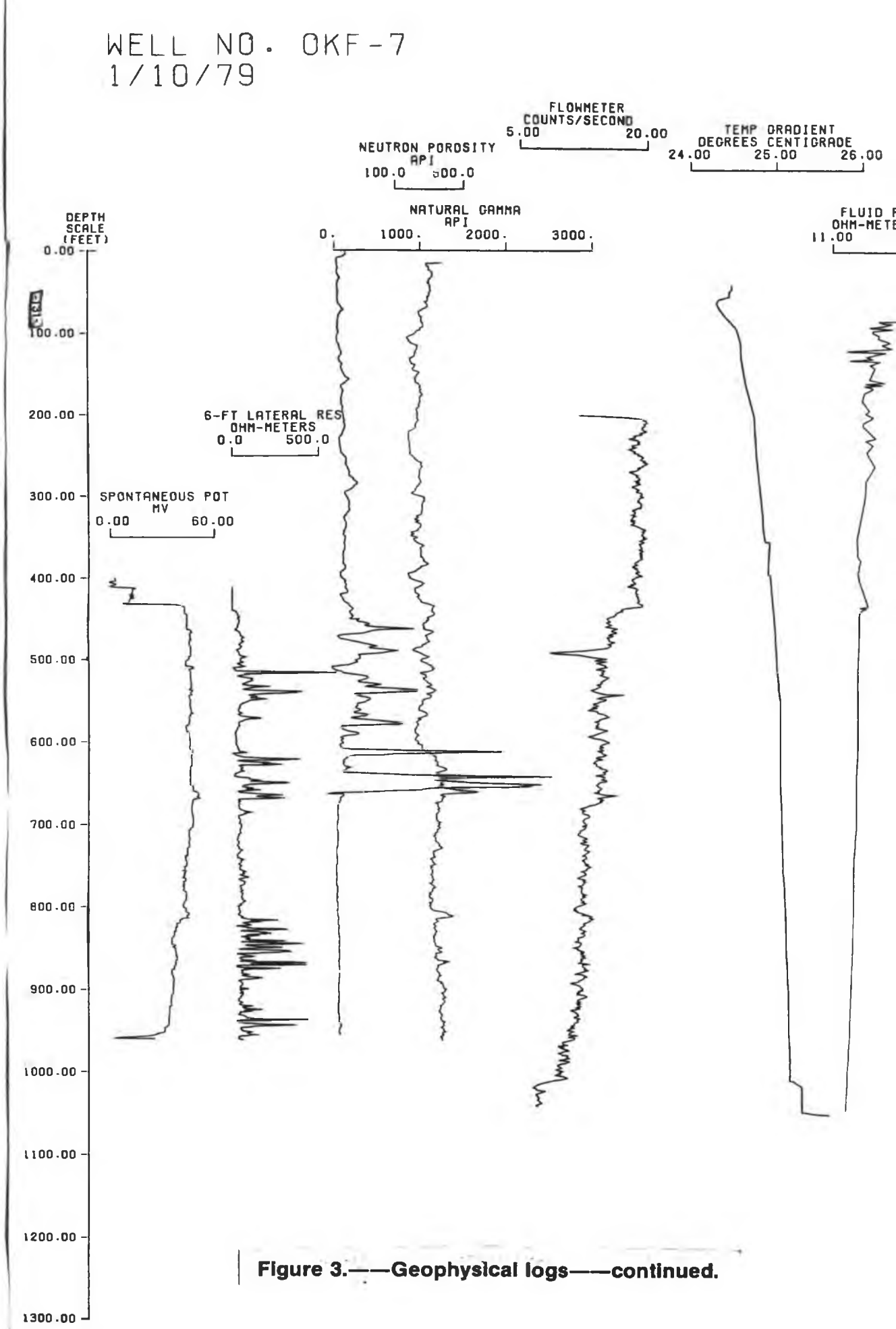


Figure 3.——Geophysical logs——continued.

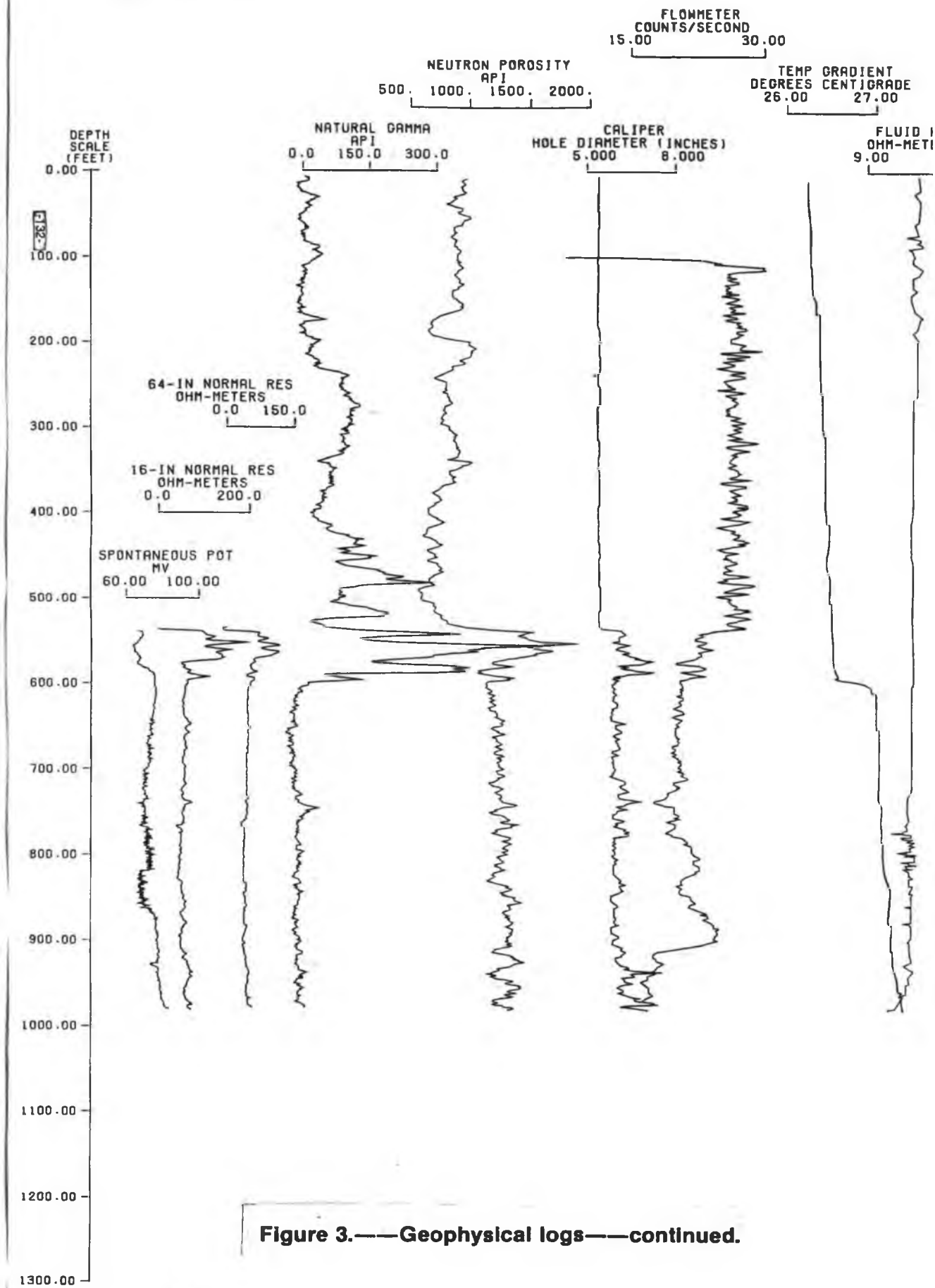


Figure 3.——Geophysical logs——continued.

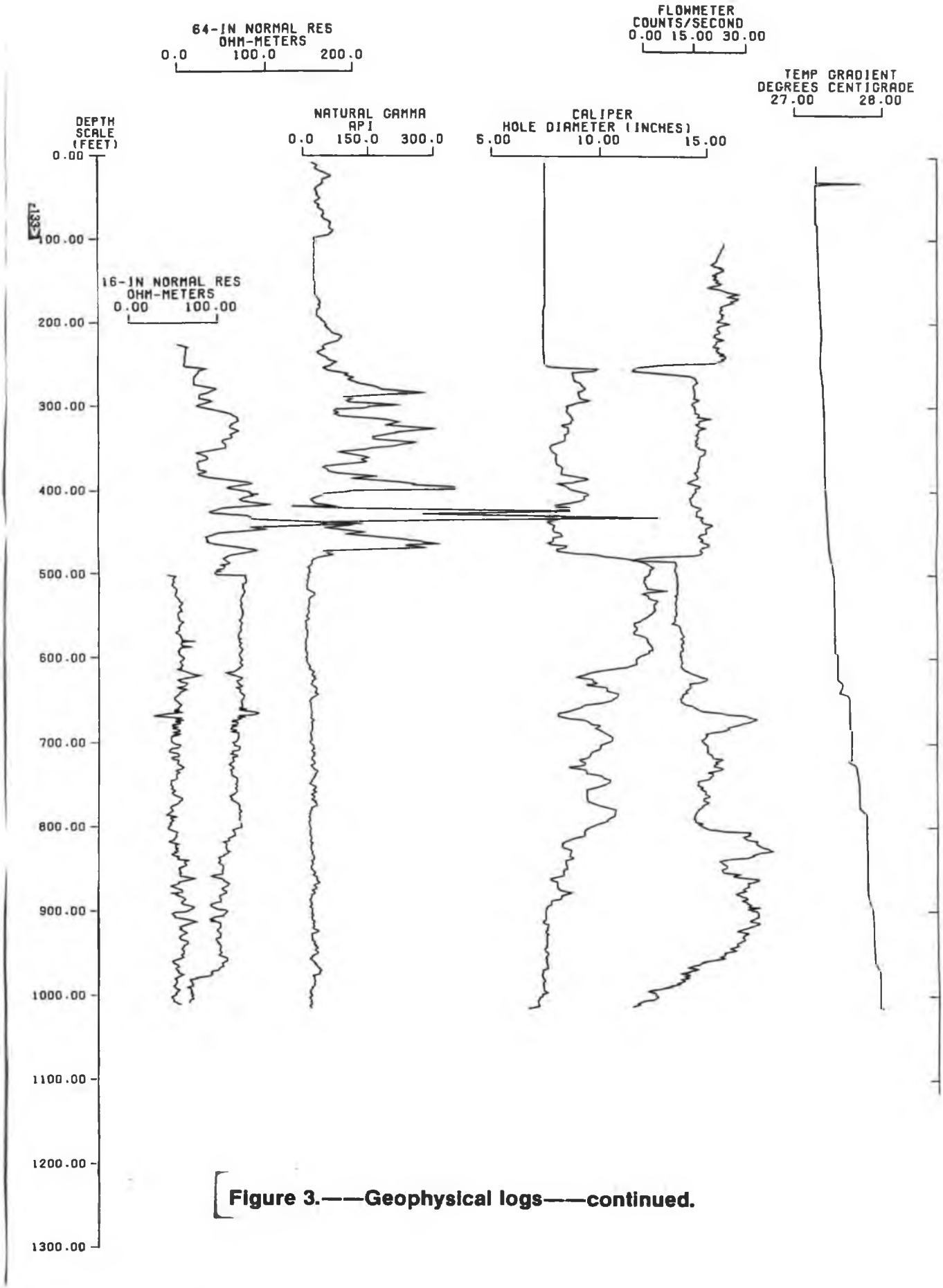


Figure 3.——Geophysical logs——continued.

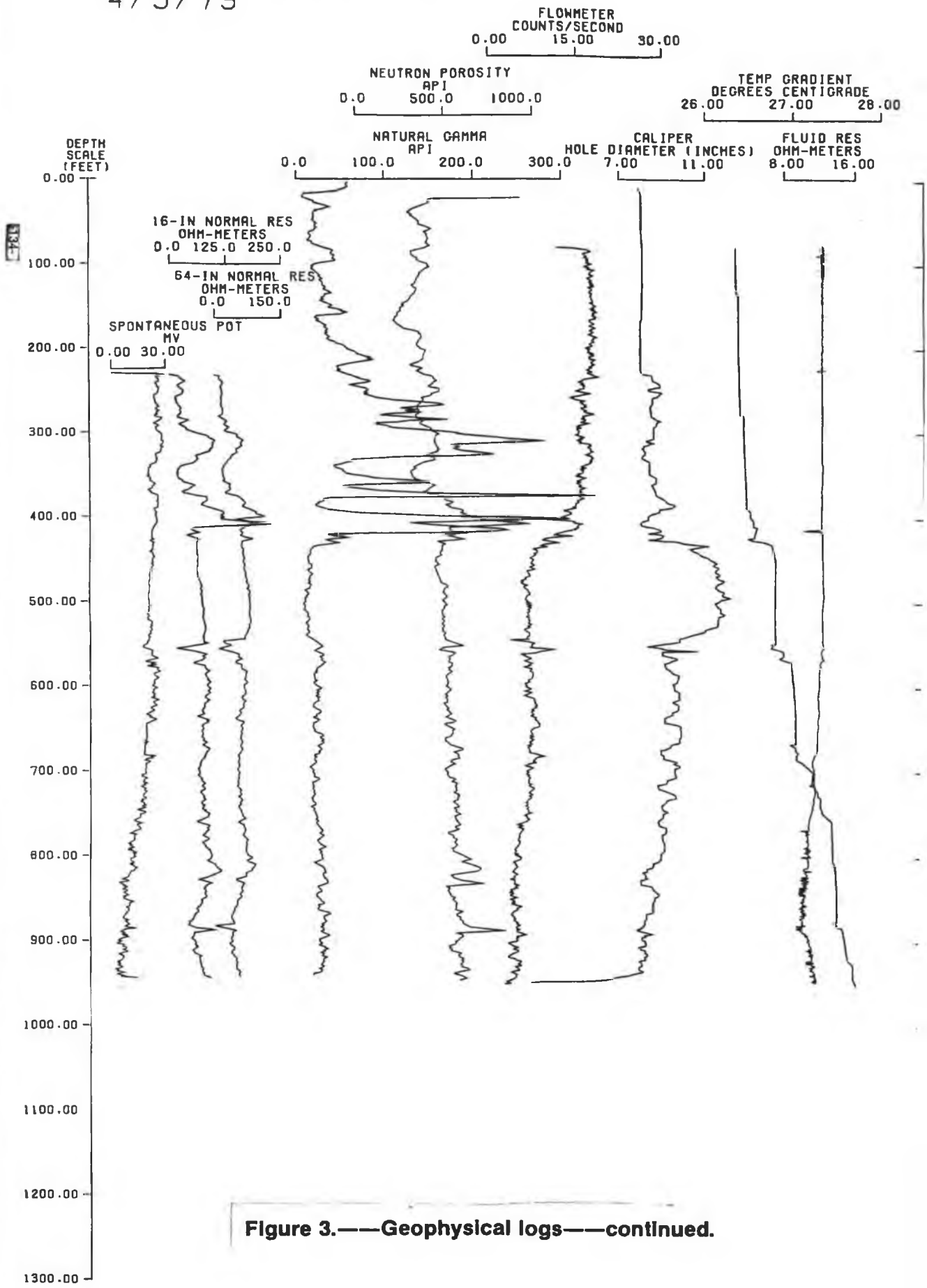


Figure 3.——Geophysical logs——continued.

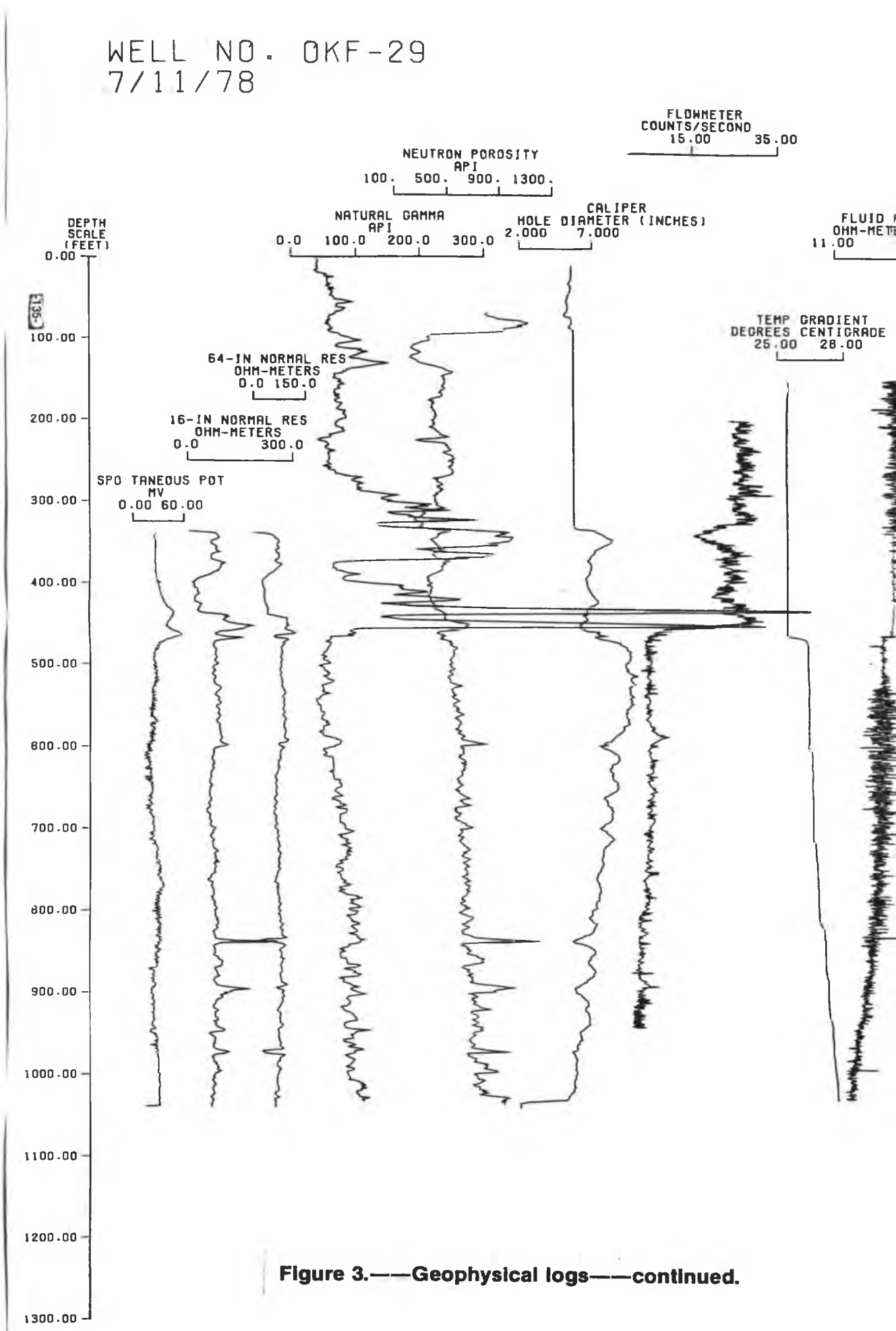


Figure 3.——Geophysical logs——continued.

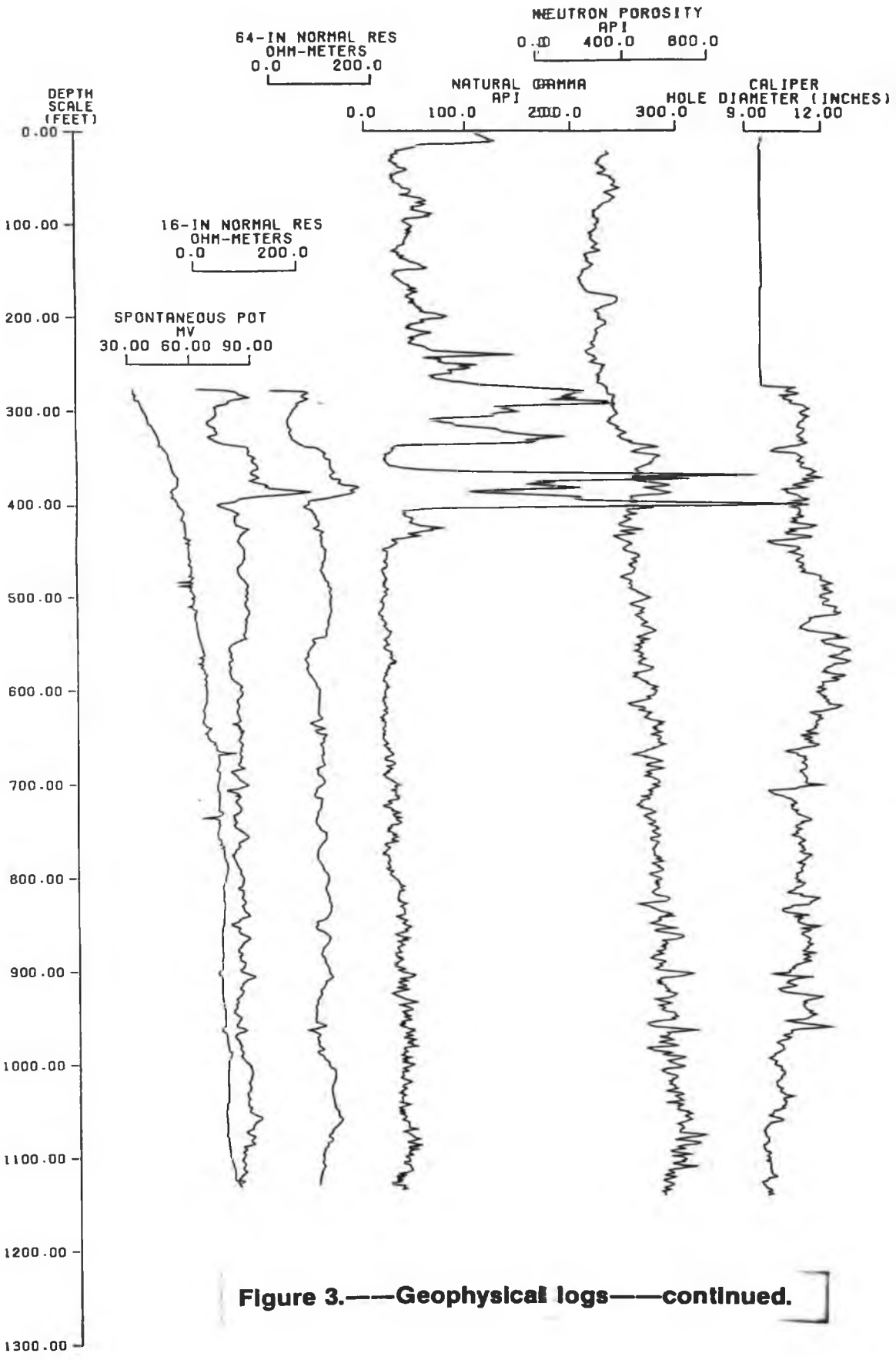


Figure 3.——Geophysical logs——continued.

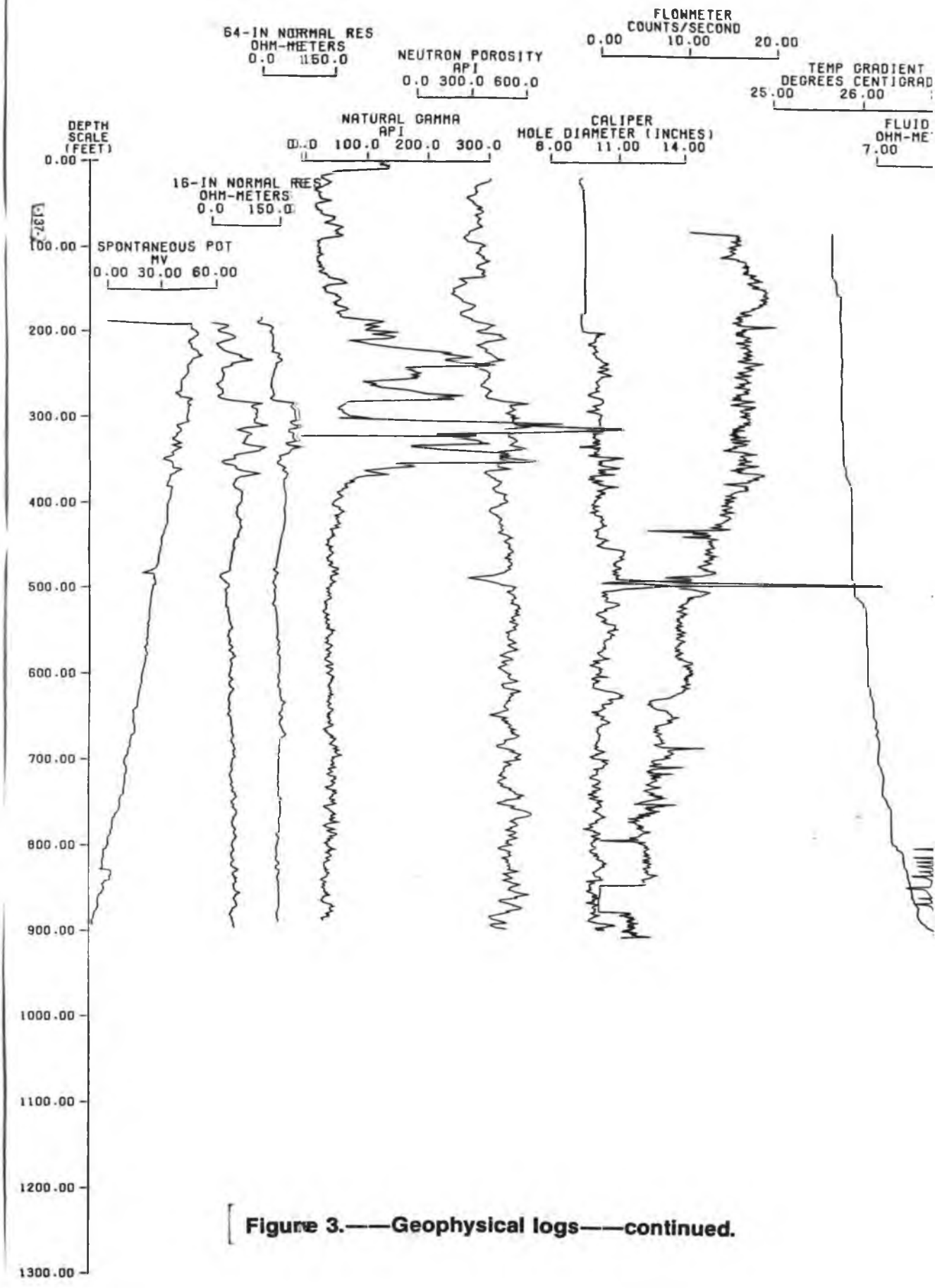


Figure 3.——Geophysical logs——continued.

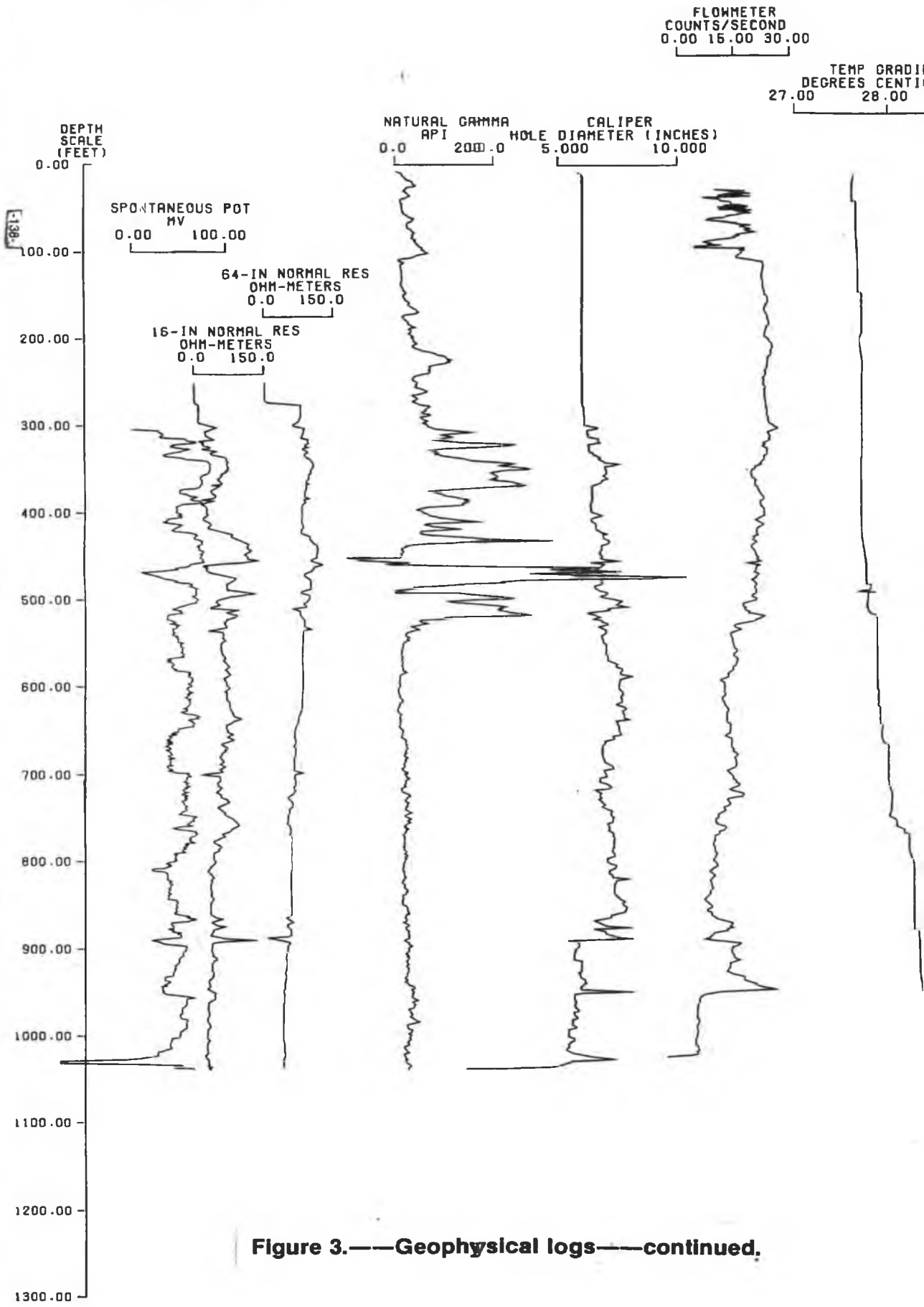


Figure 3.——Geophysical logs——continued.

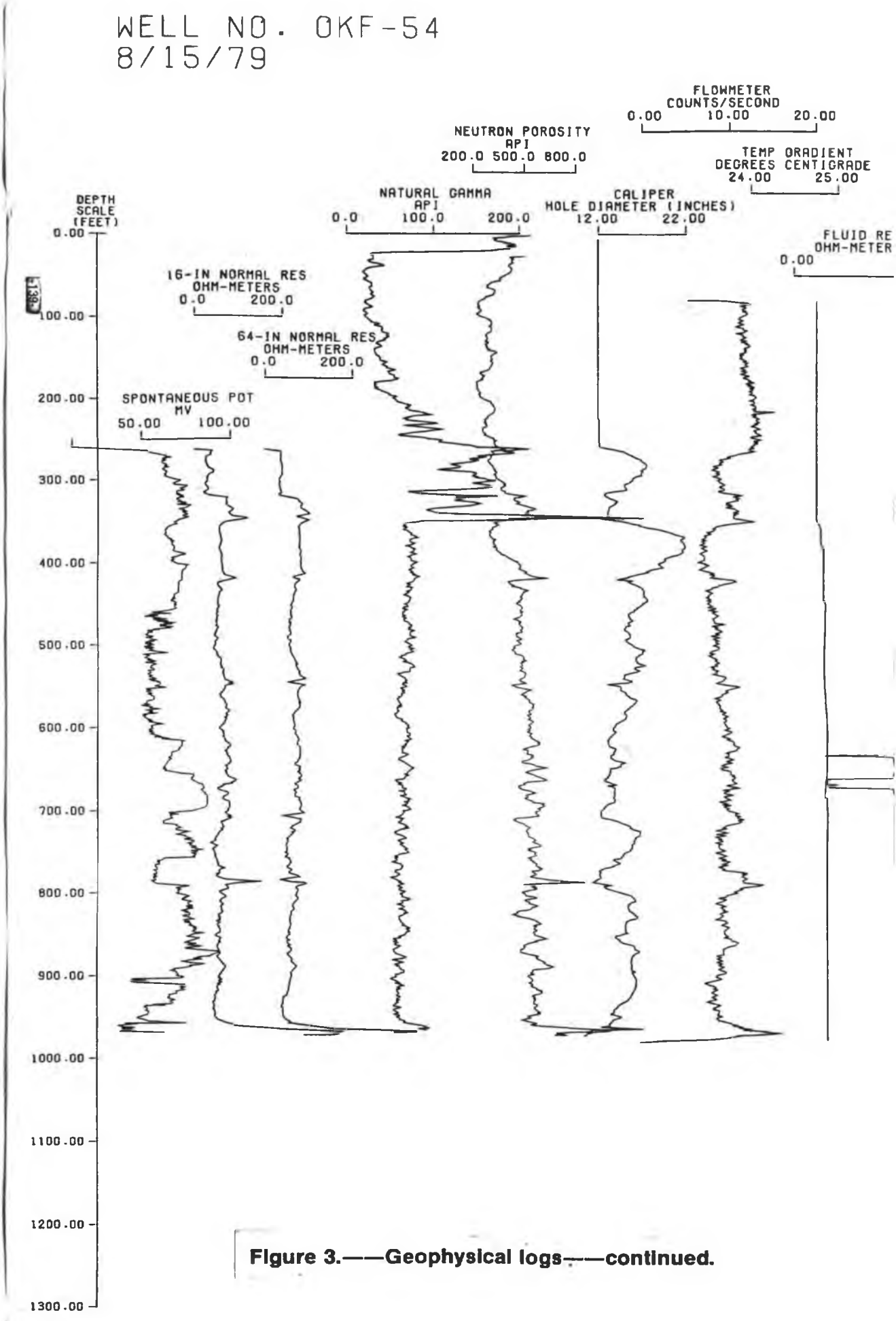


Figure 3.——Geophysical logs——continued.

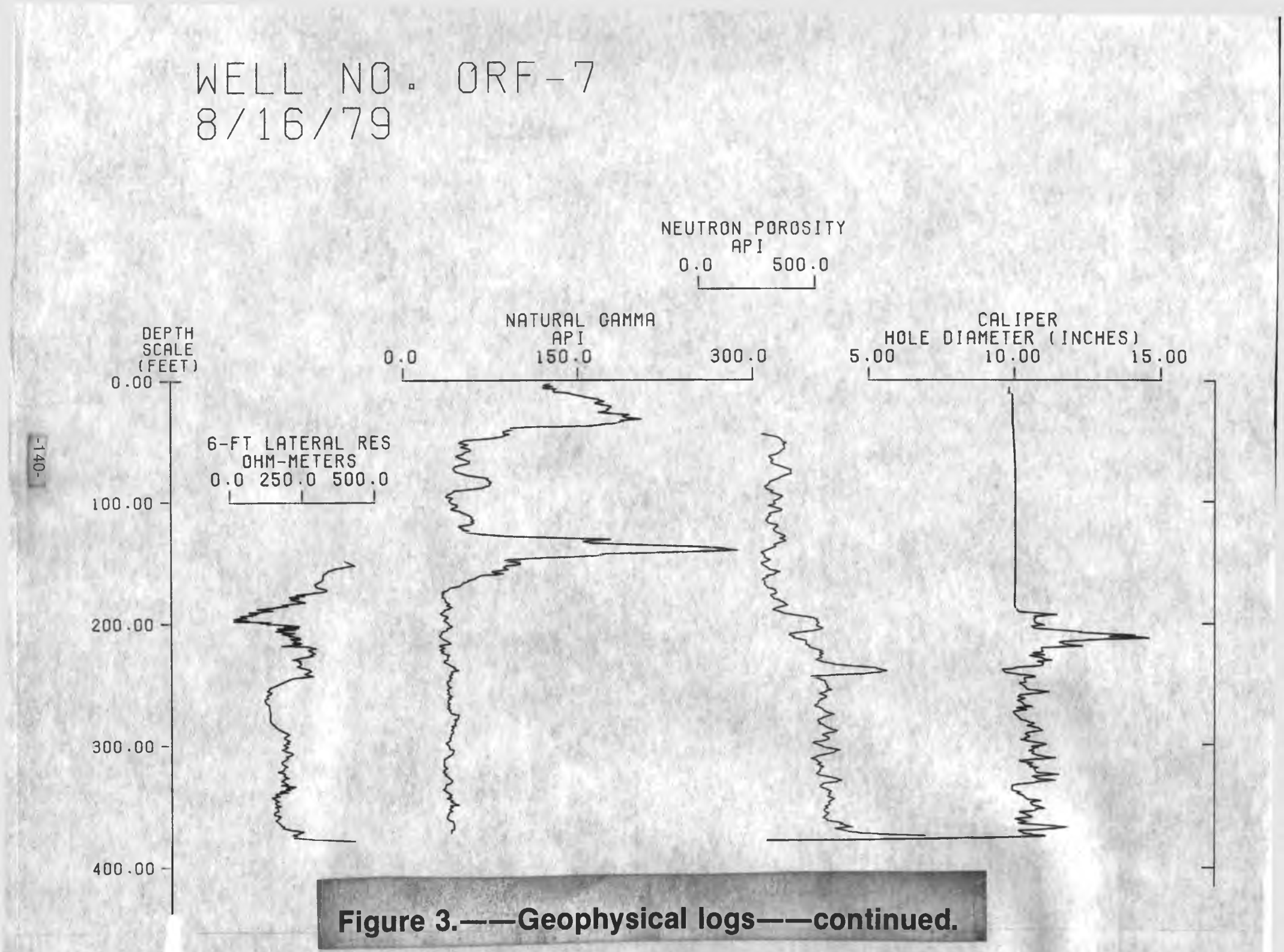


Figure 3.——Geophysical logs——continued.

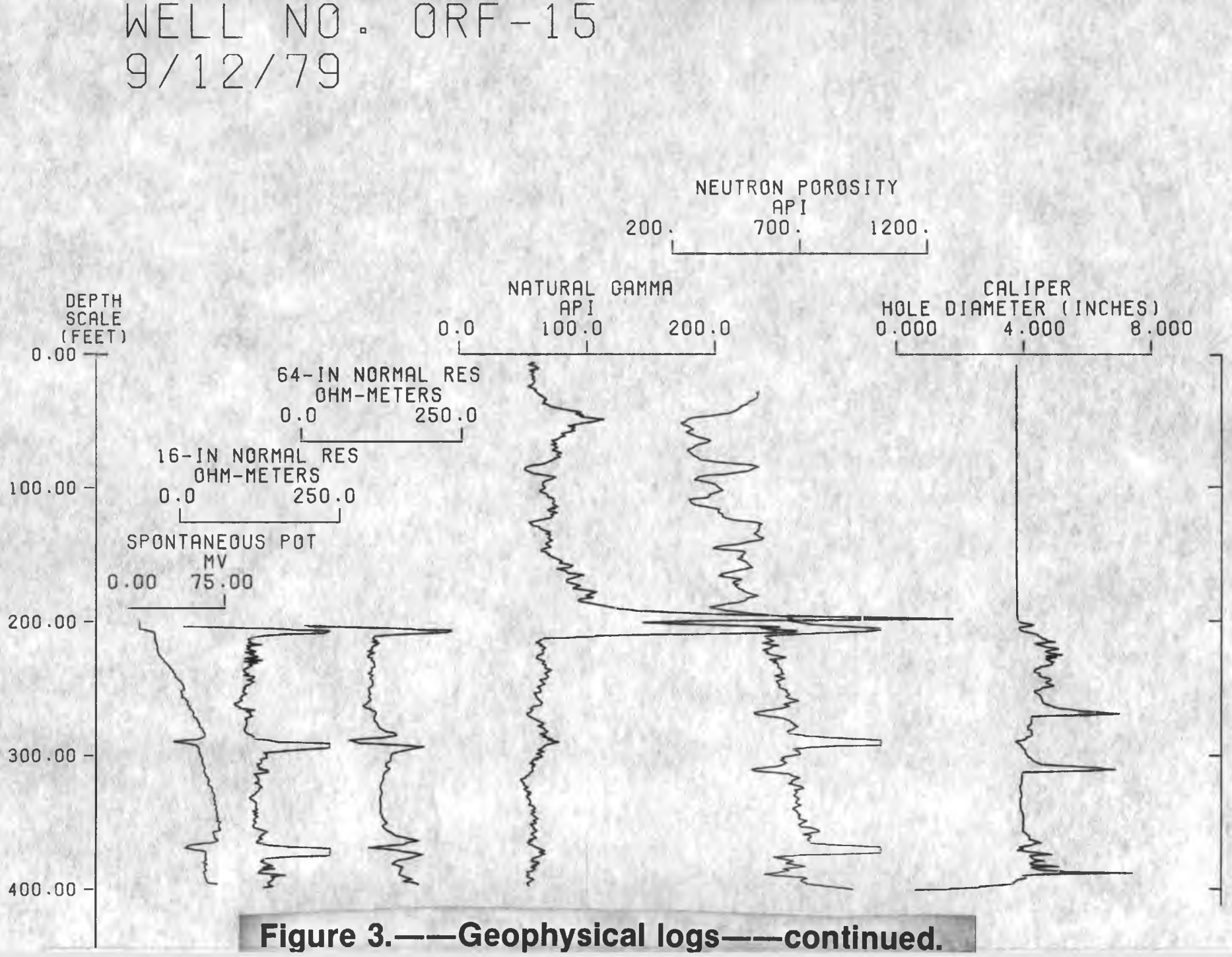


Figure 3.——Geophysical logs——continued.

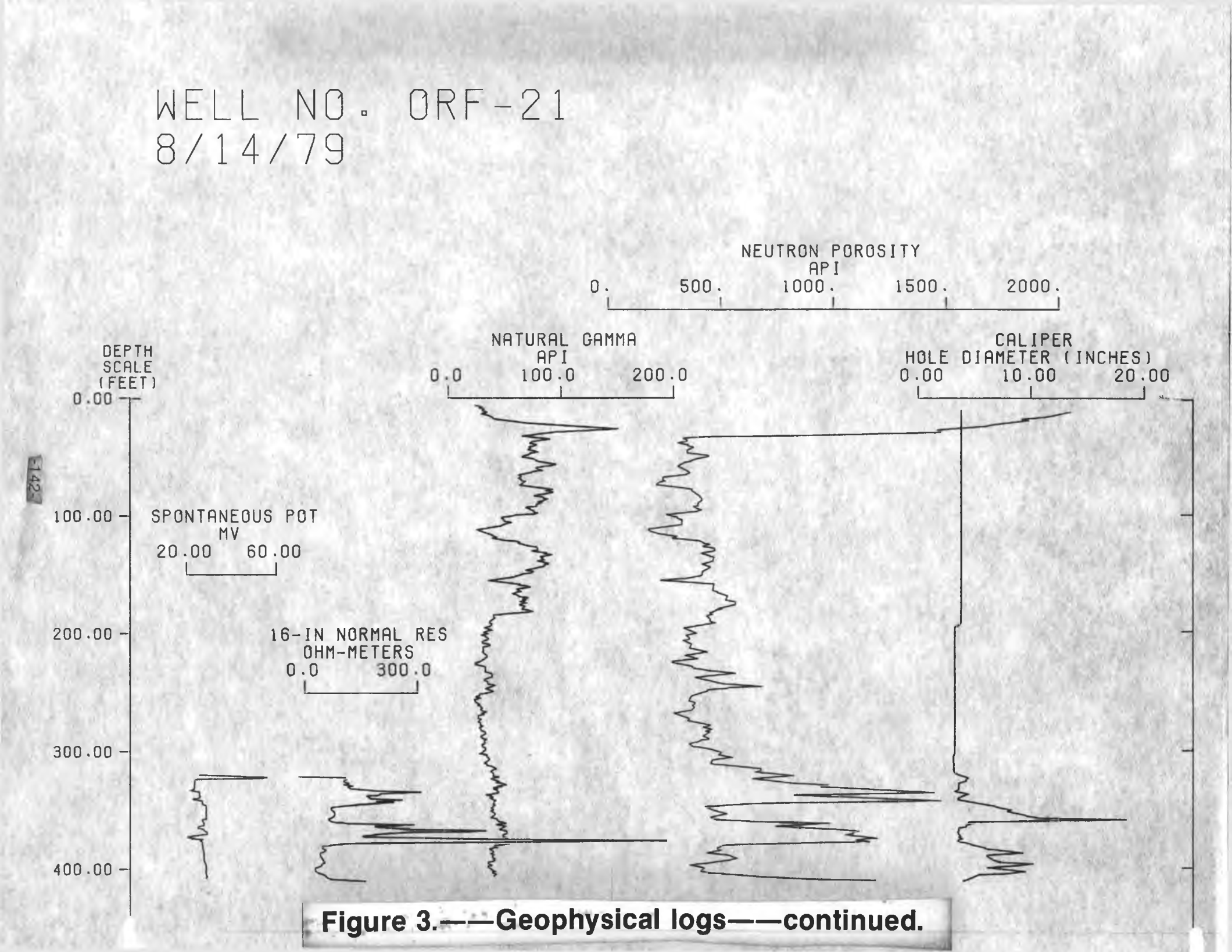


Figure 3.——Geophysical logs——continued.

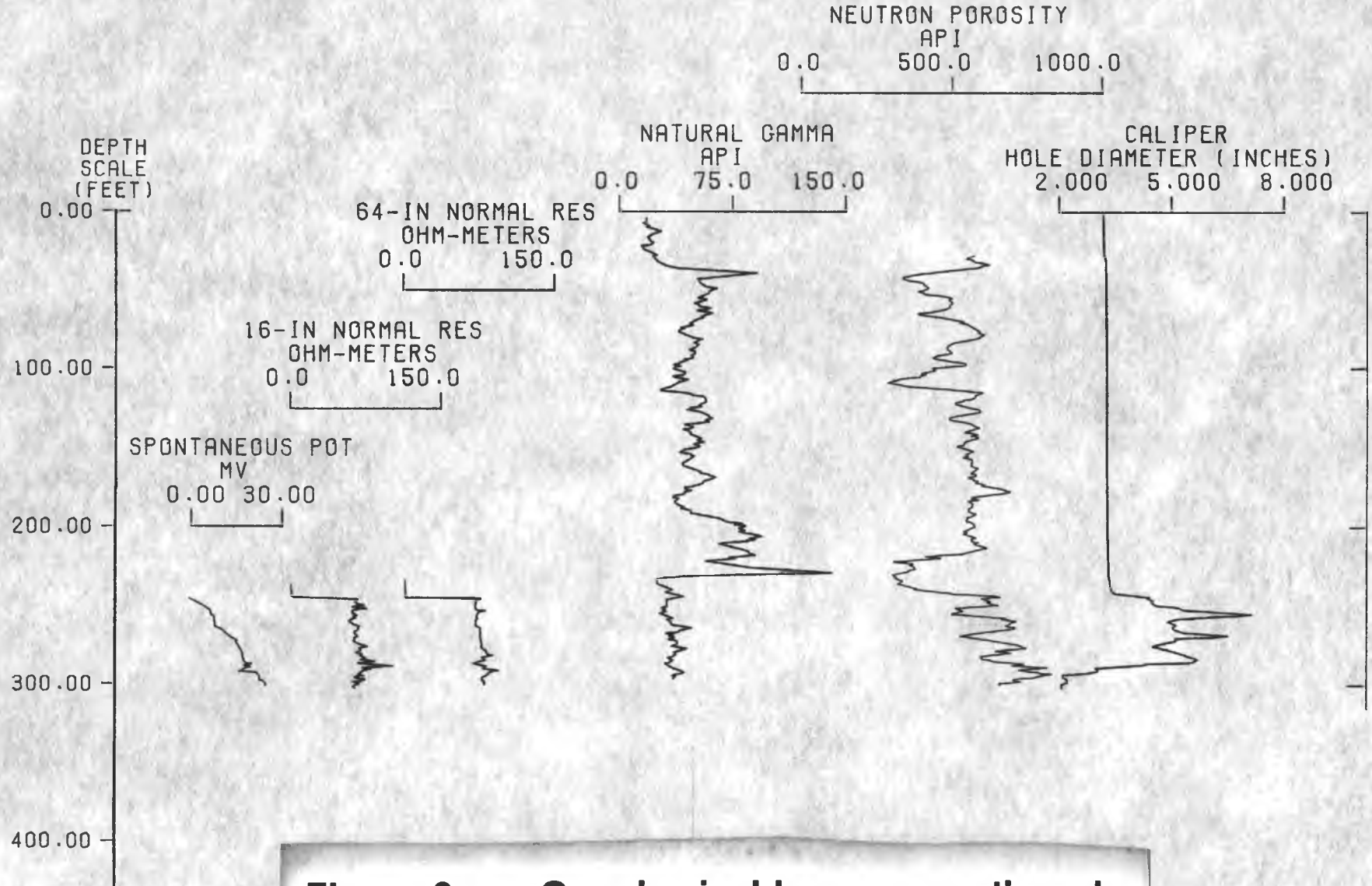


Figure 3.——Geophysical logs——continued.

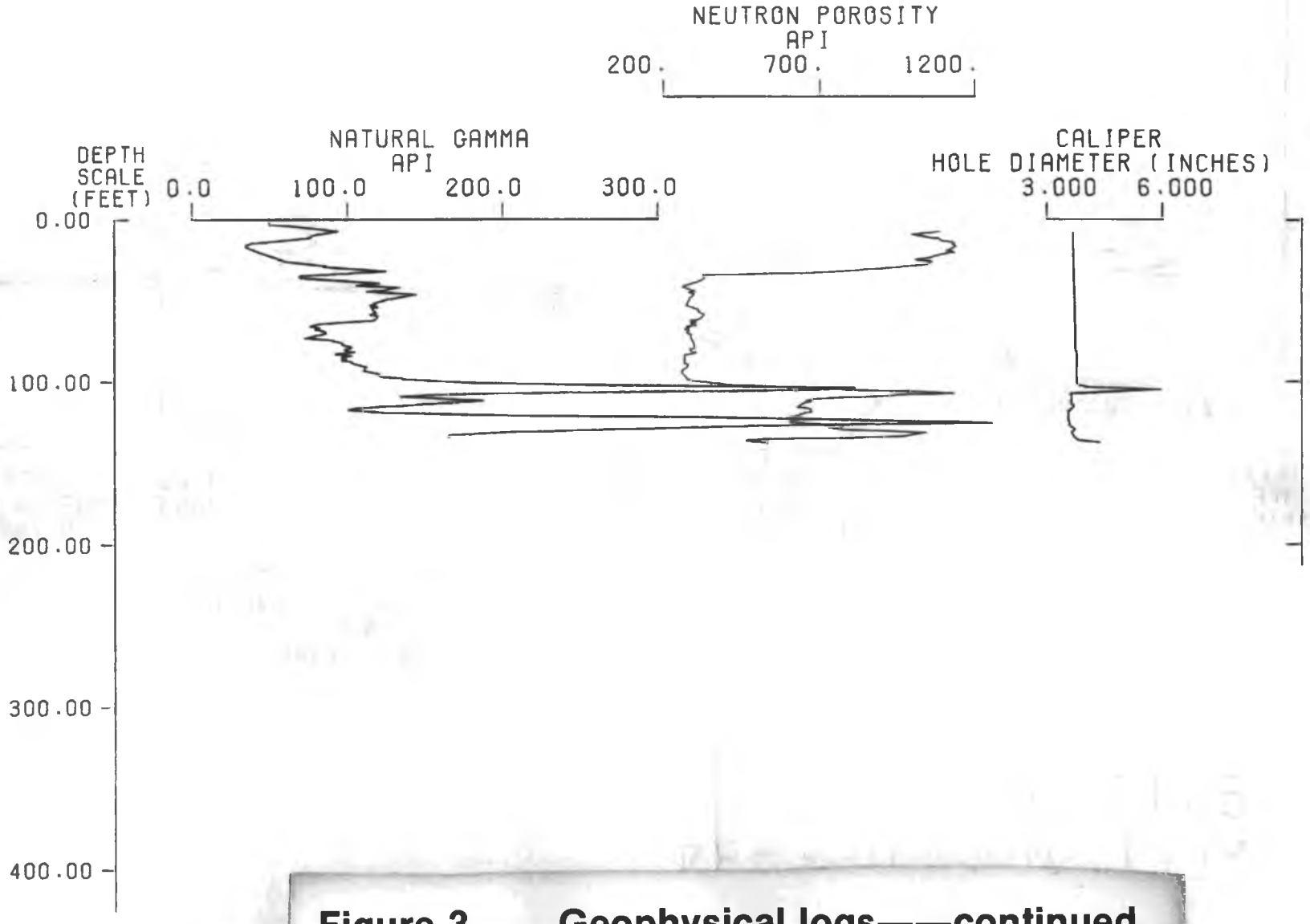


Figure 3.——Geophysical logs——continued.

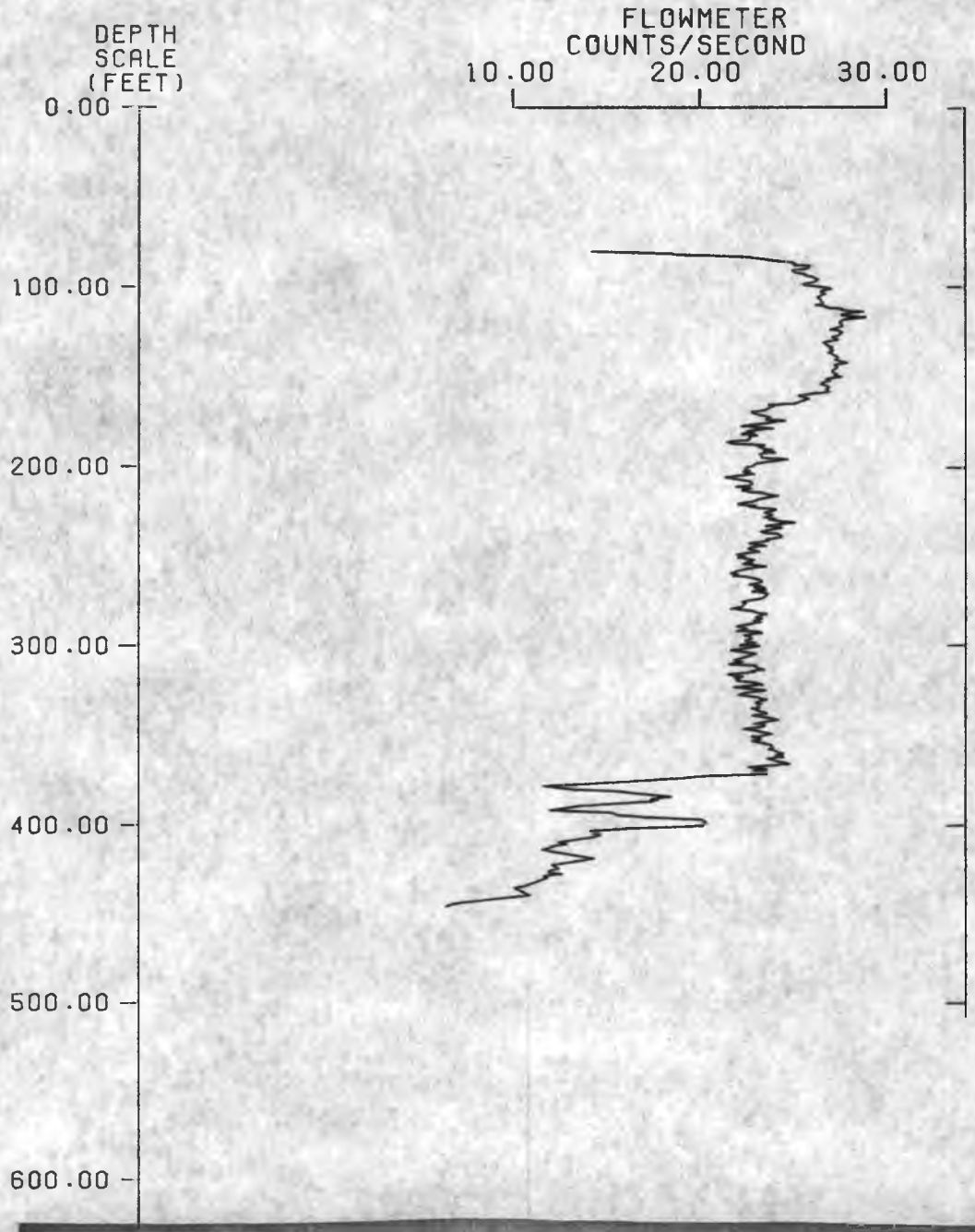


Figure 3.——Geophysical logs——continued.

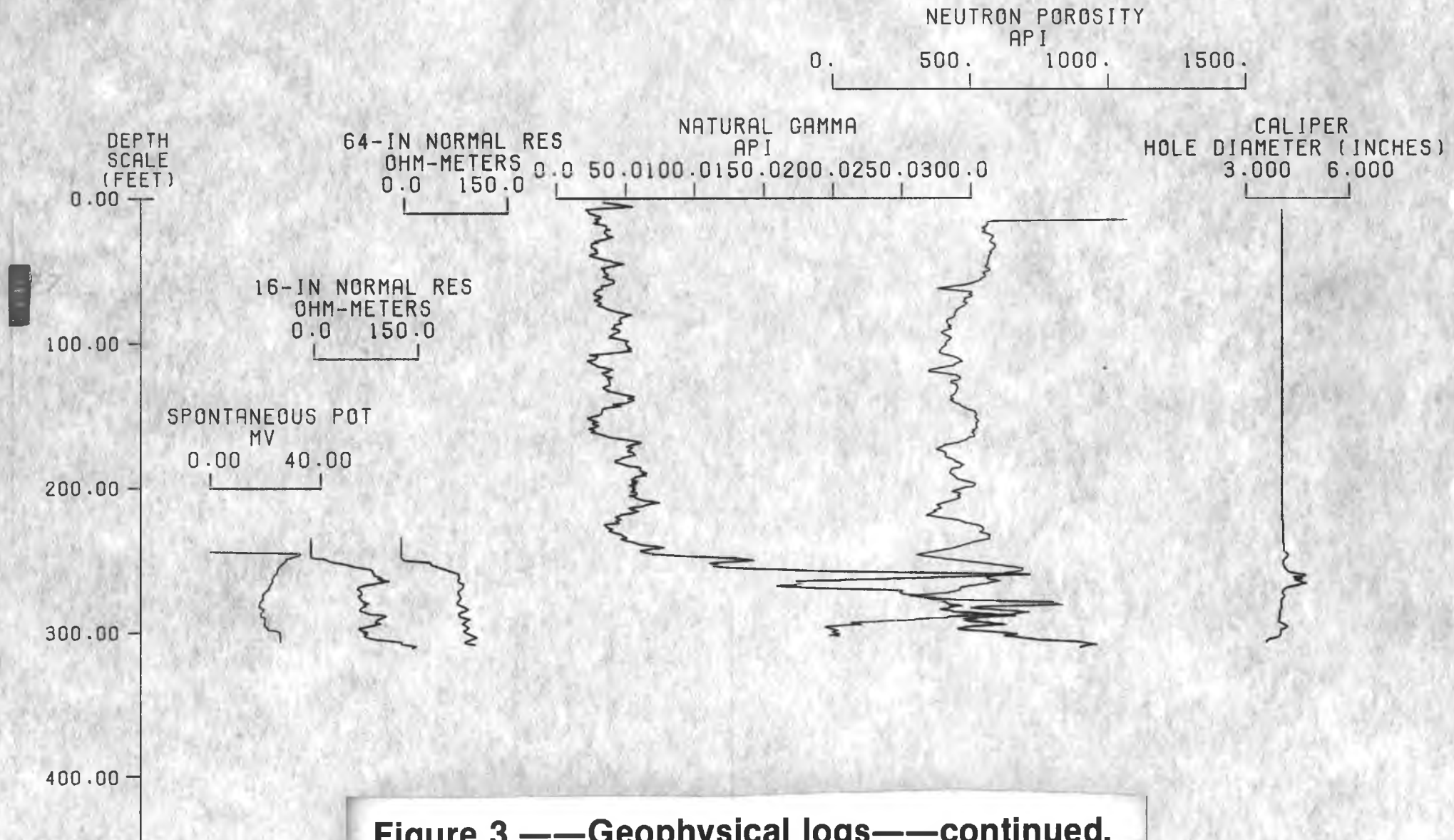


Figure 3.——Geophysical logs——continued.

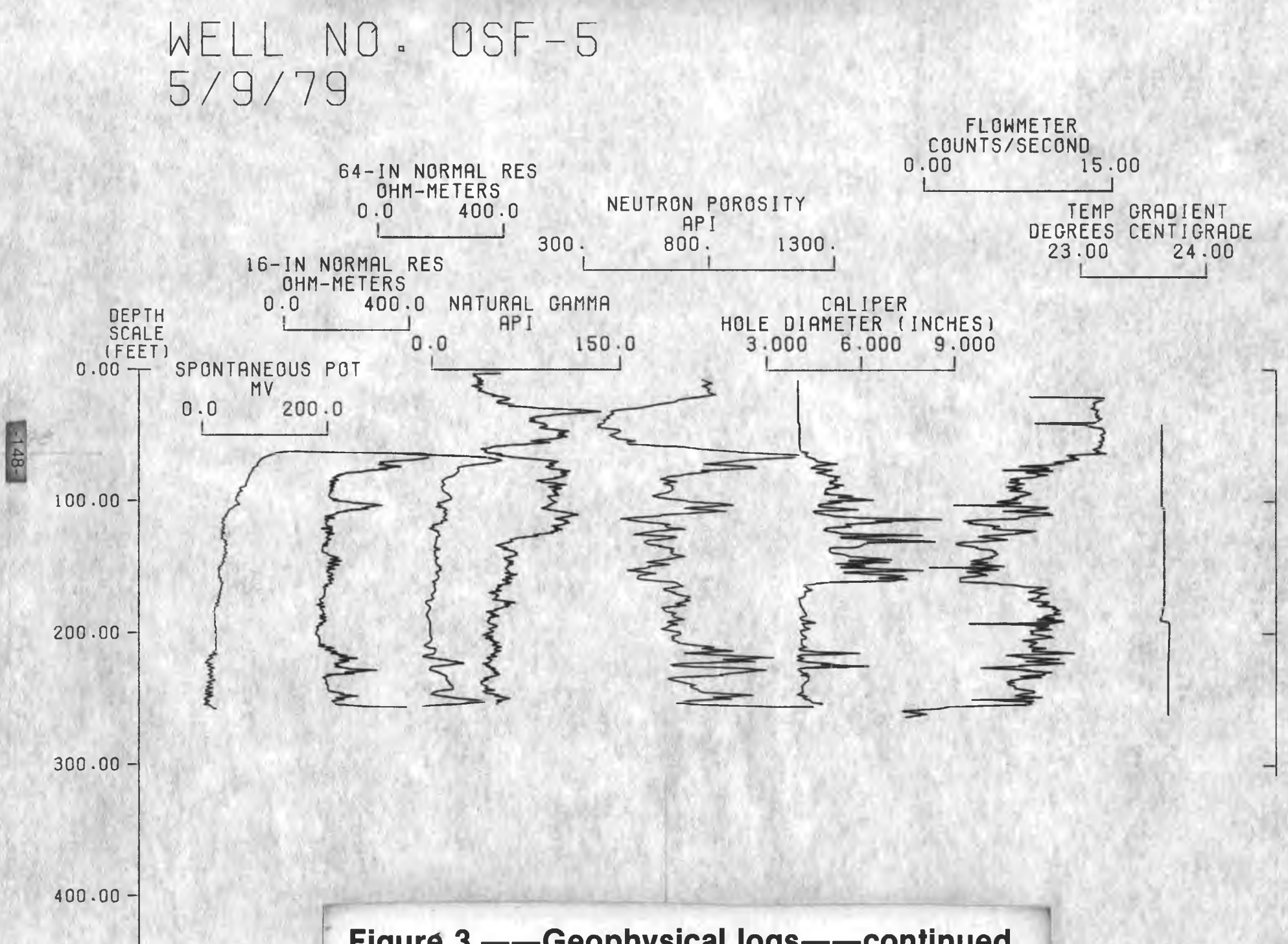


Figure 3.——Geophysical logs——continued.

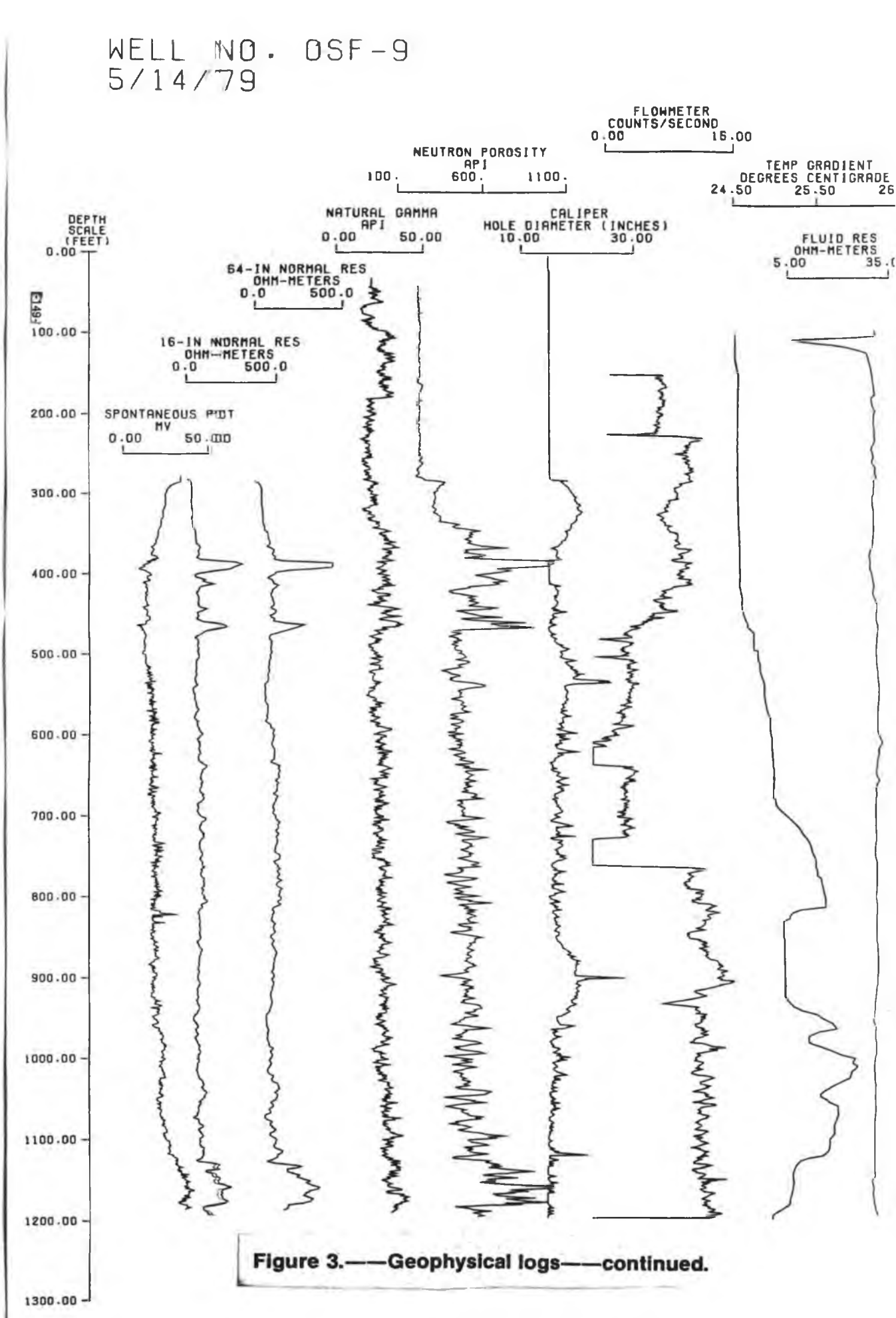


Figure 3.——Geophysical logs——continued.

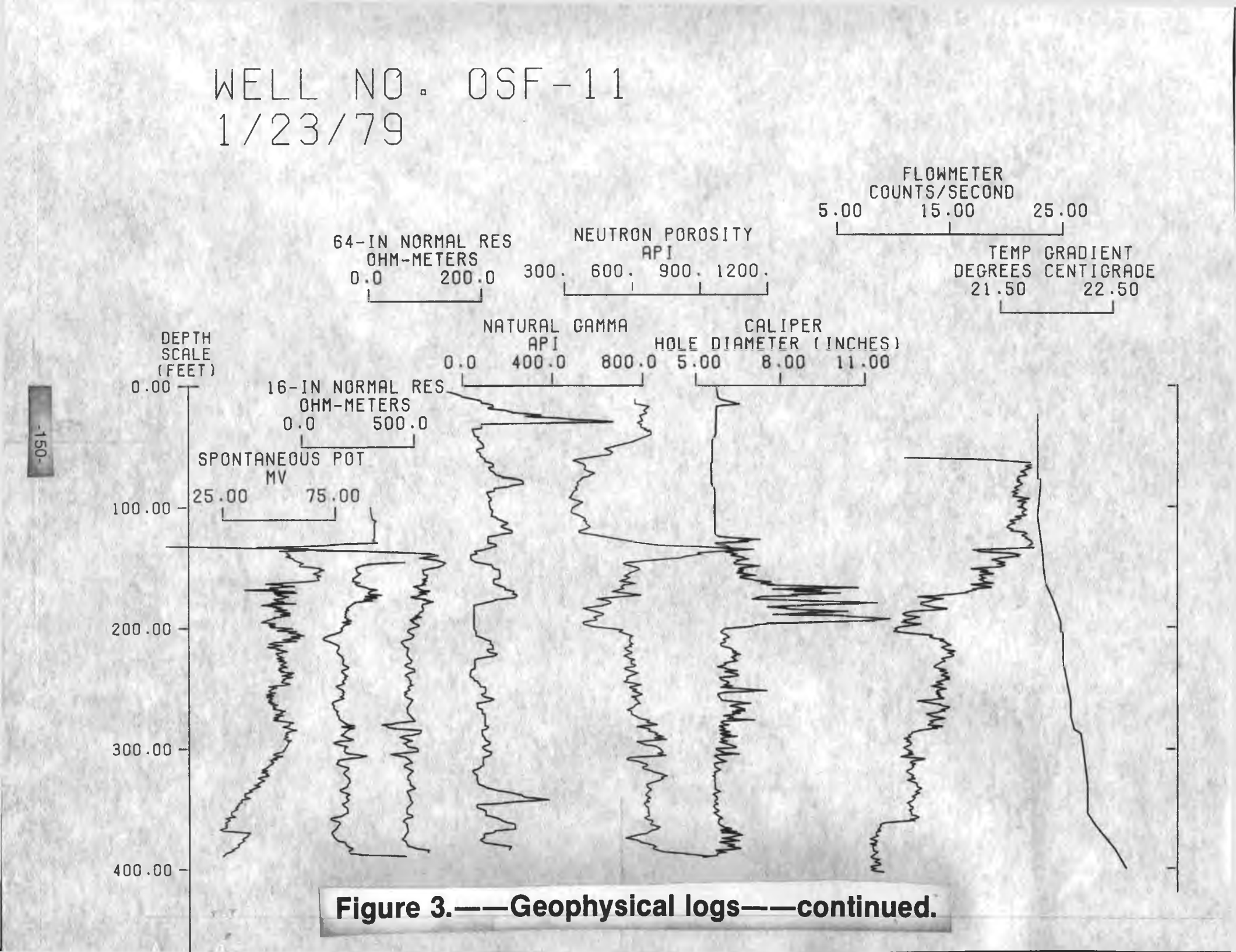


Figure 3.——Geophysical logs——continued.

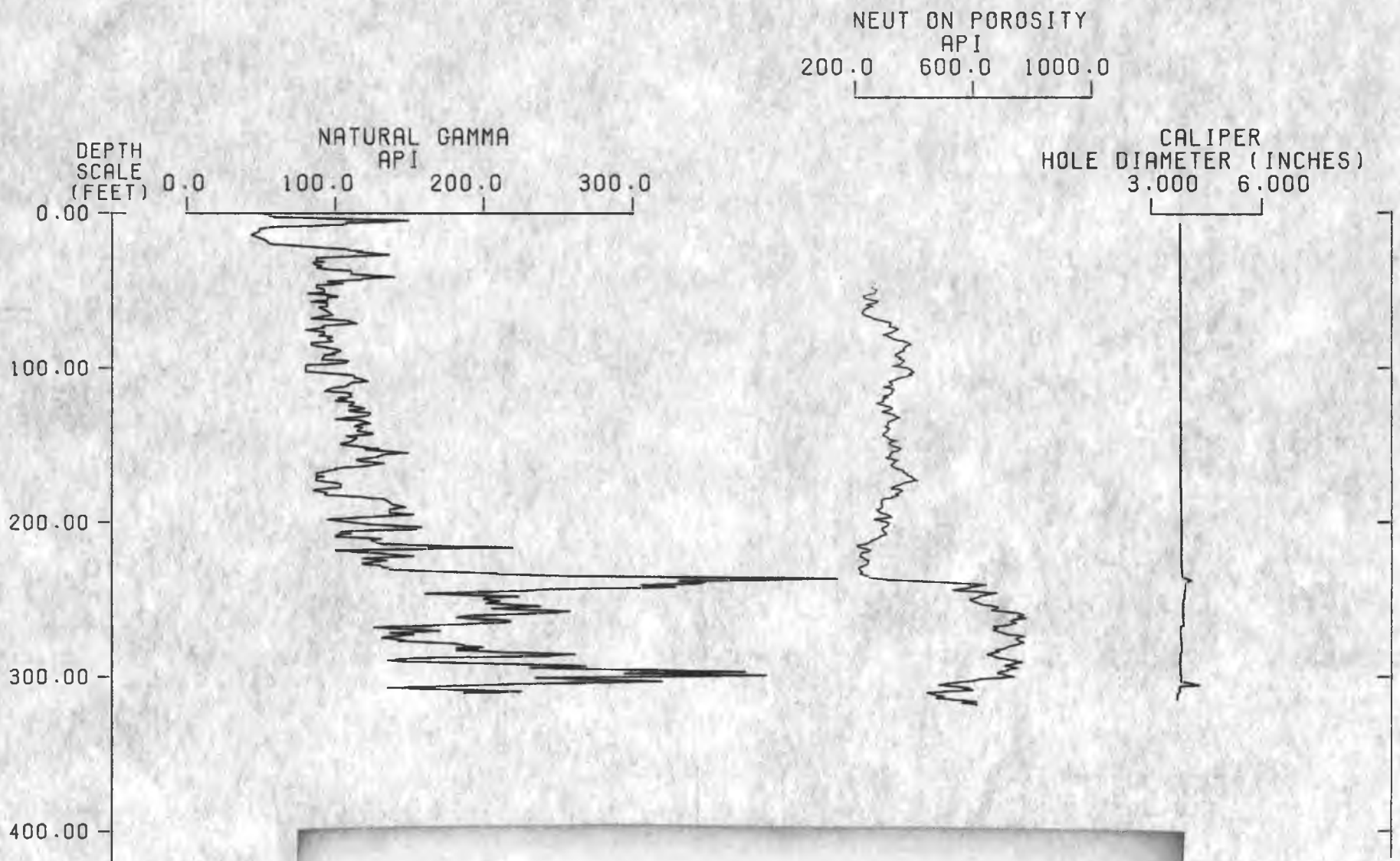


Figure 3.——Geophysical logs——continued.

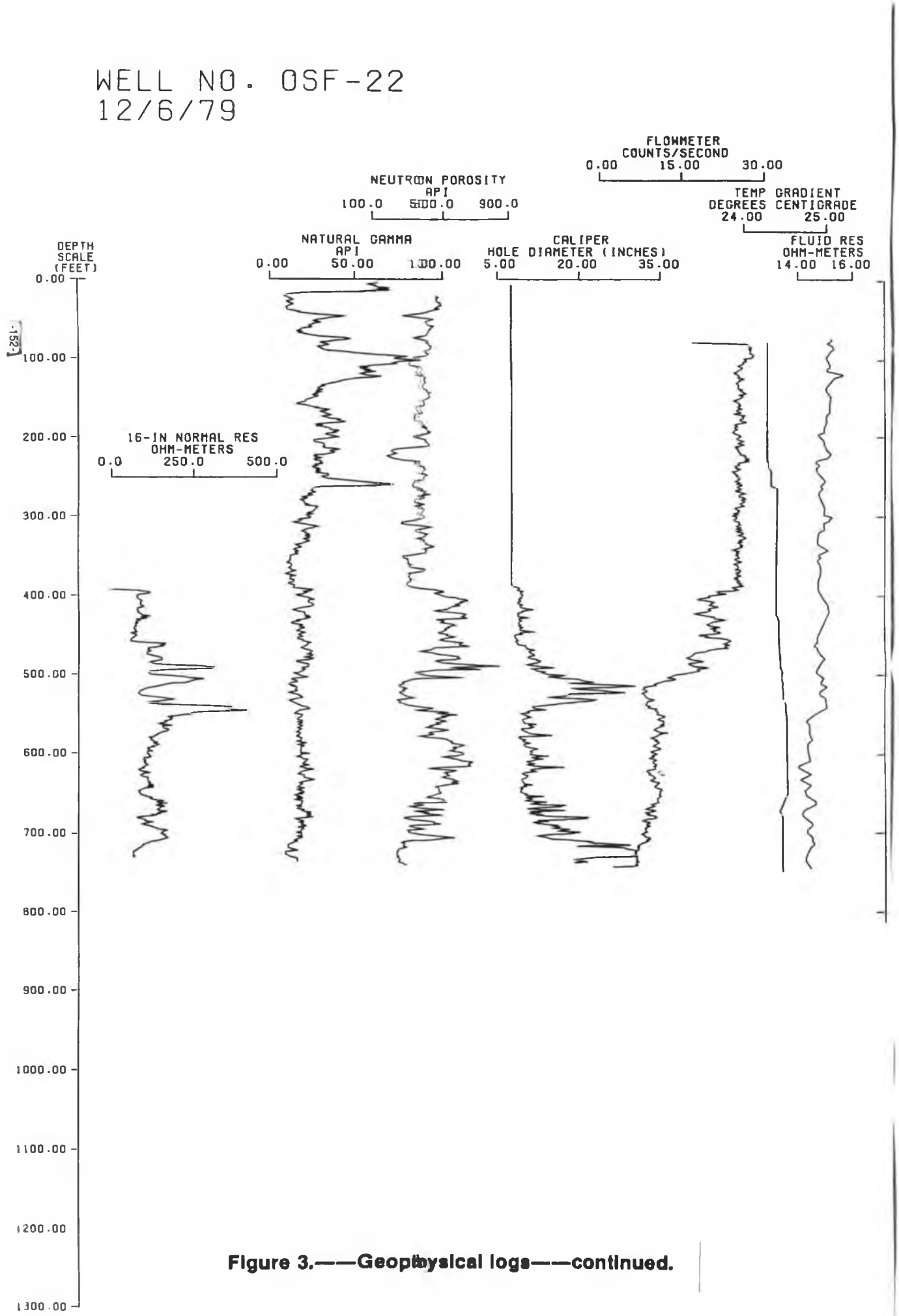


Figure 3.——Geophysical logs——continued.

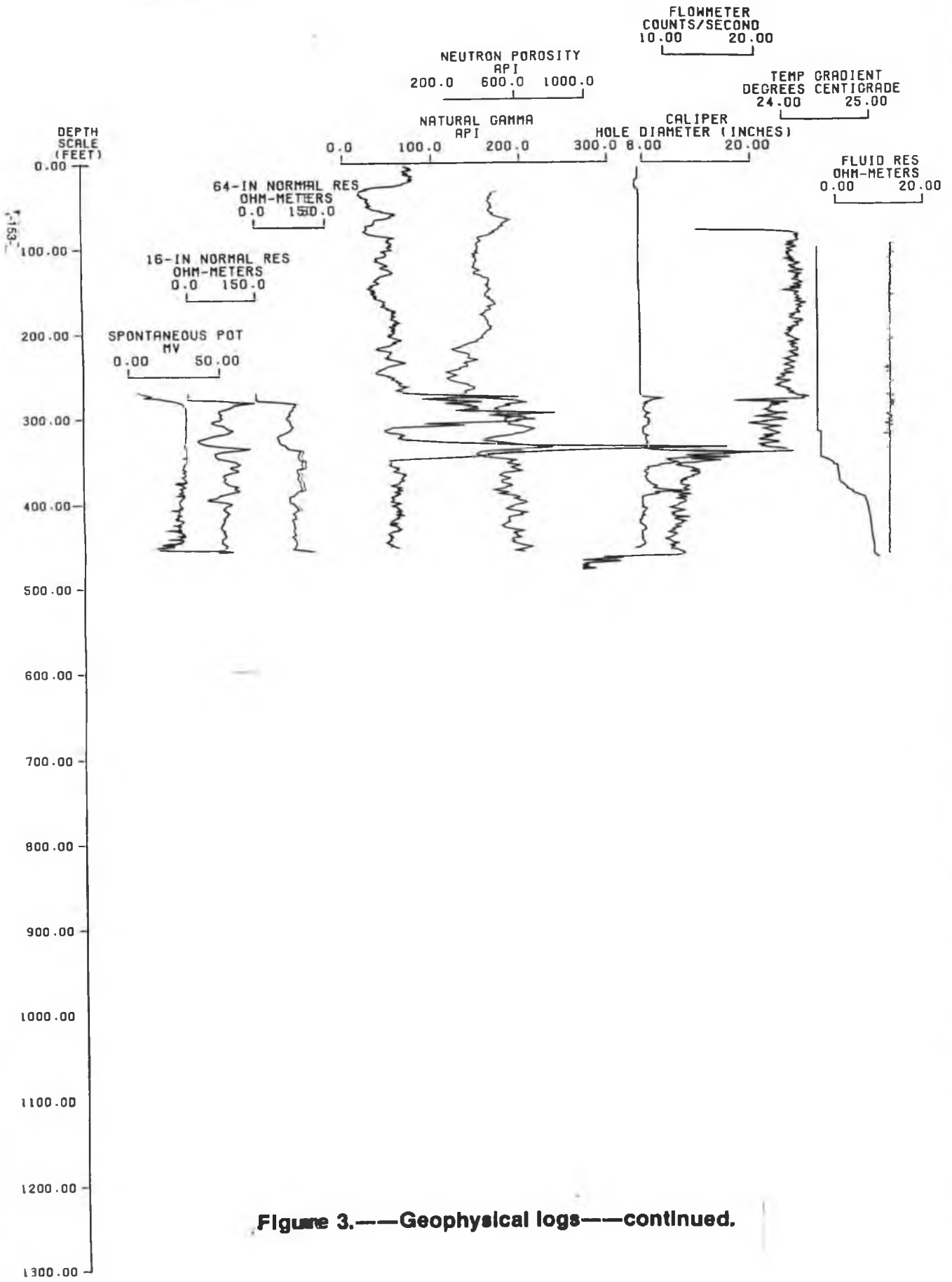


Figure 3.——Geophysical logs——continued.

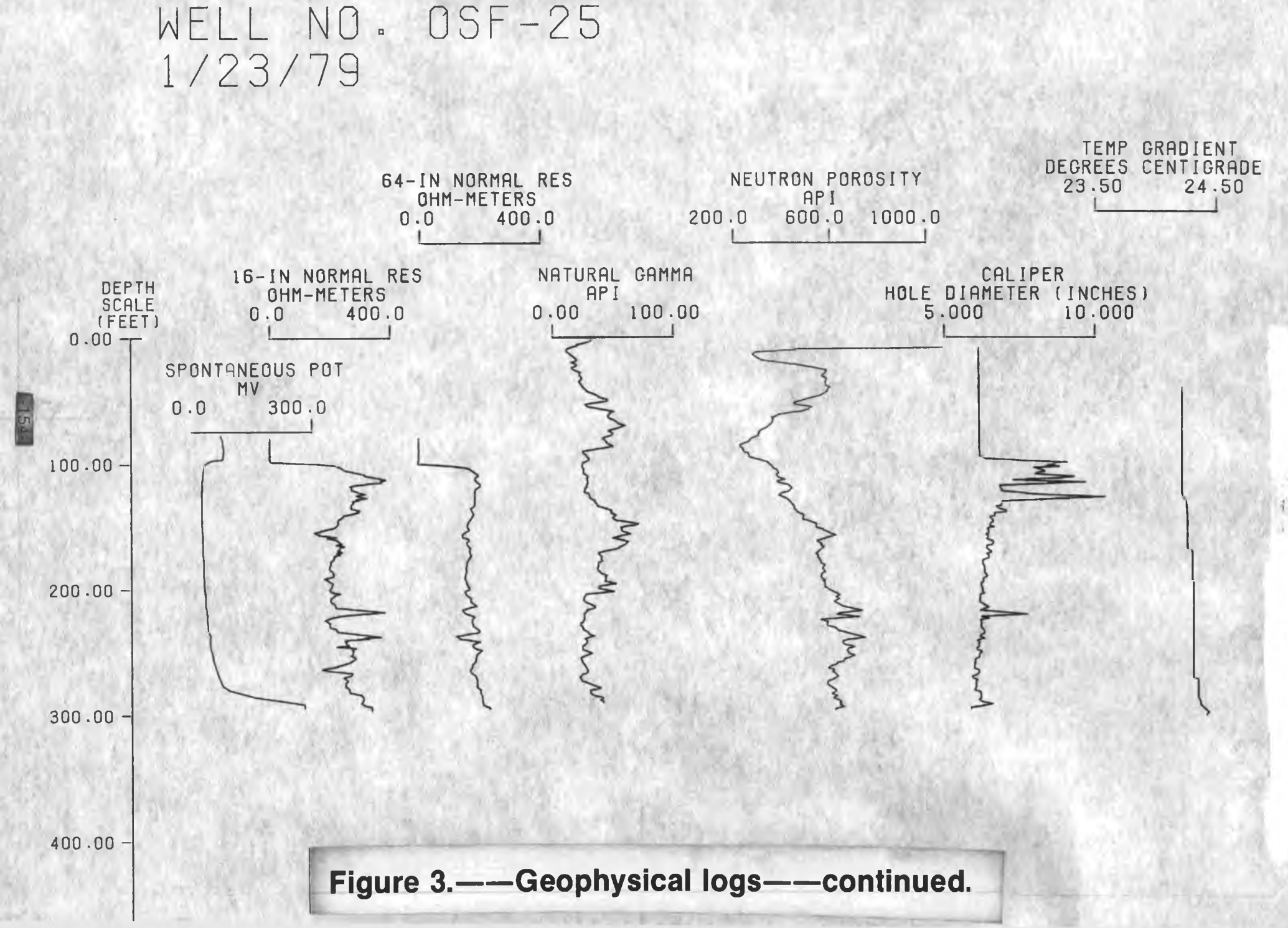


Figure 3.——Geophysical logs——continued.

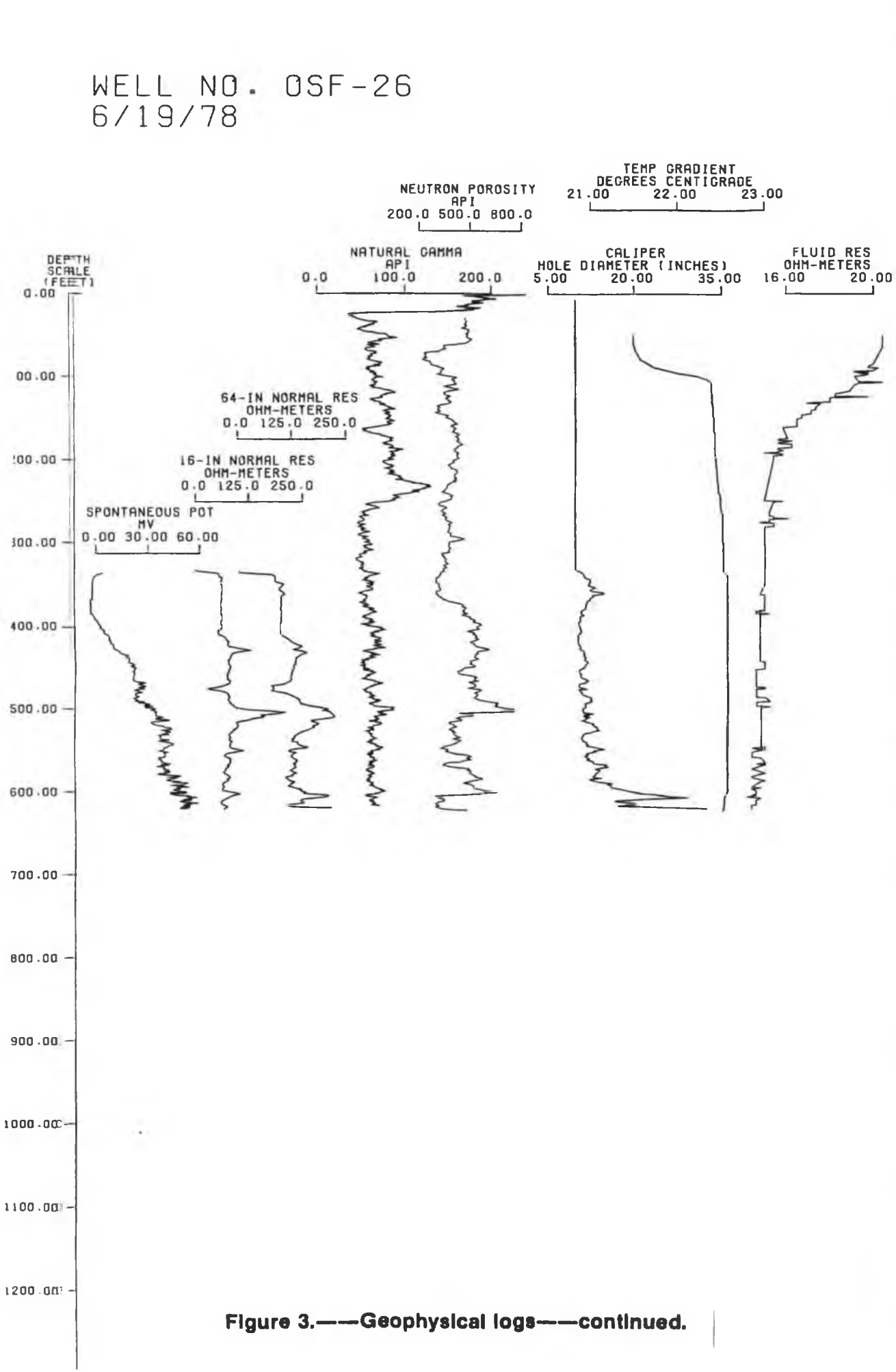


Figure 3.——Geophysical logs——continued.

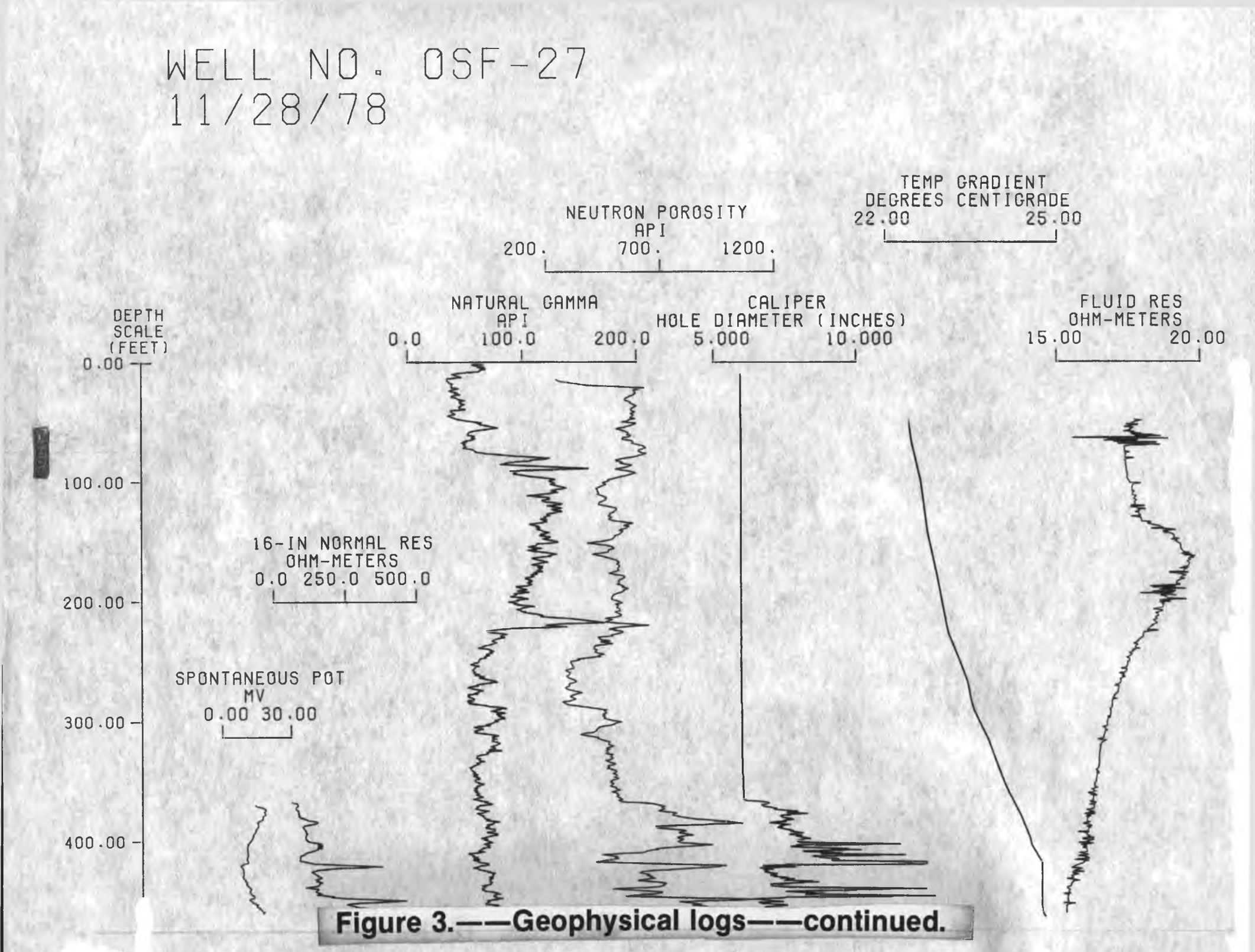


Figure 3.——Geophysical logs——continued.

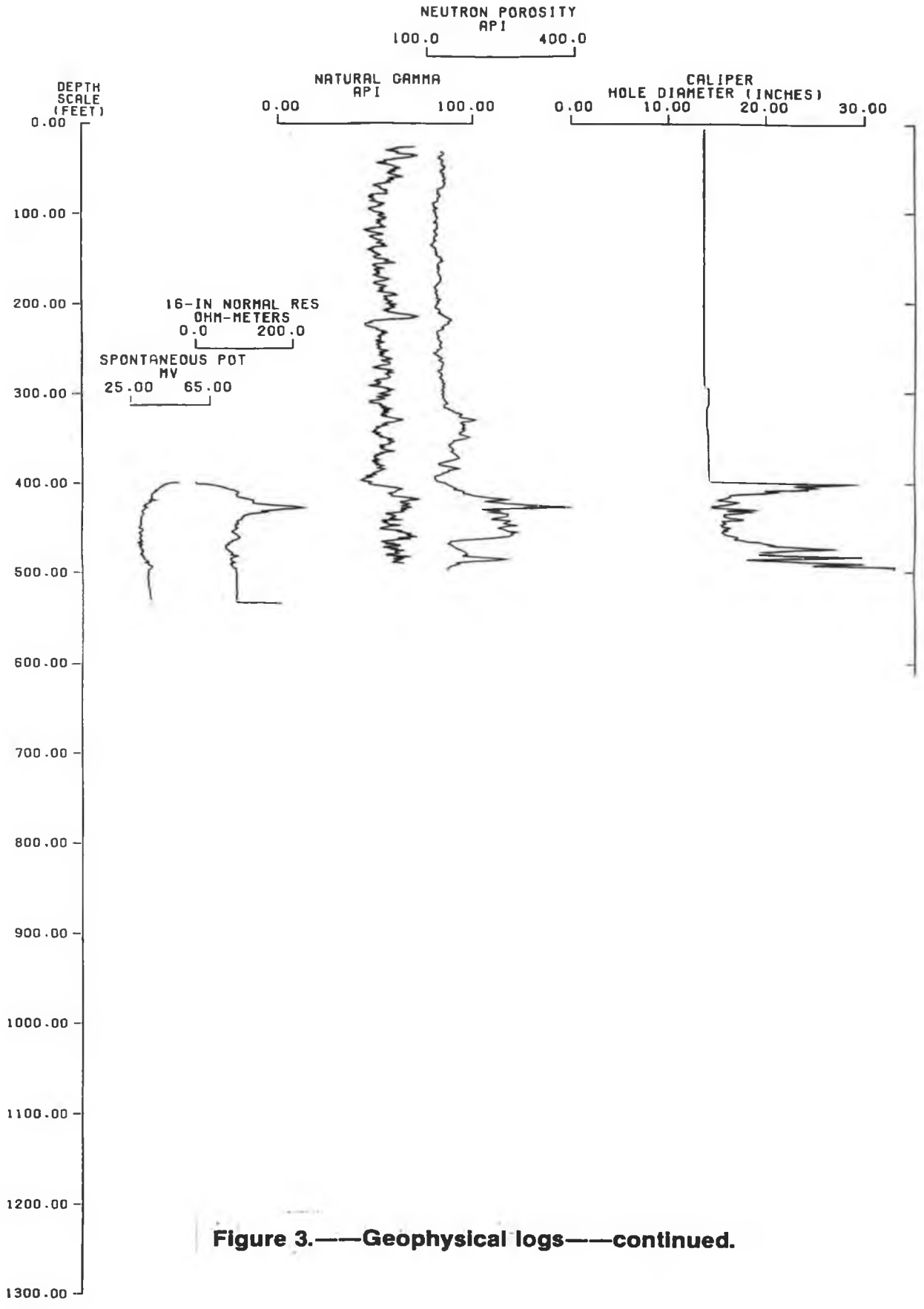


Figure 3.——Geophysical logs——continued.

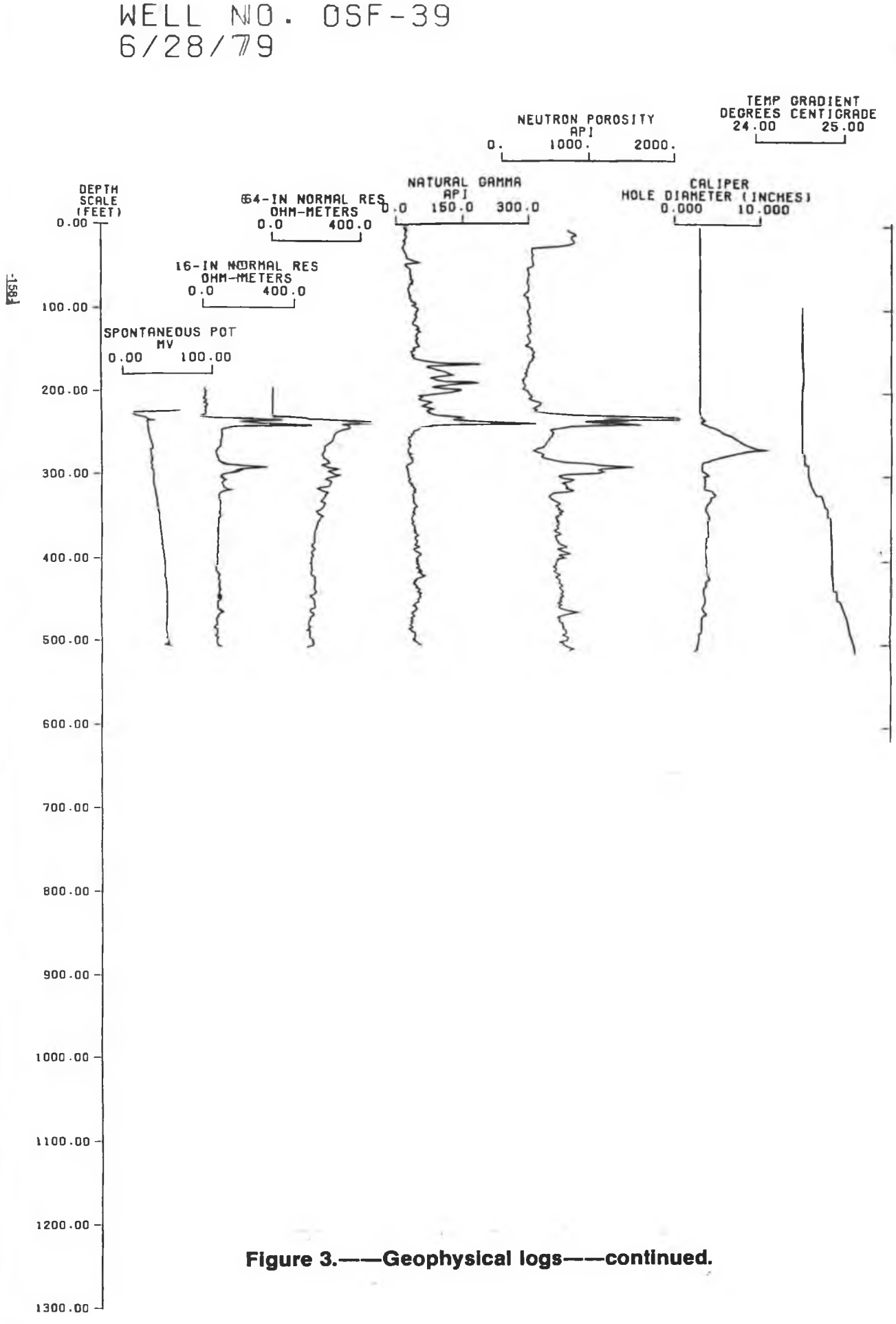


Figure 3.——Geophysical logs——continued.

WELL NO. OSF-41
9/20/79

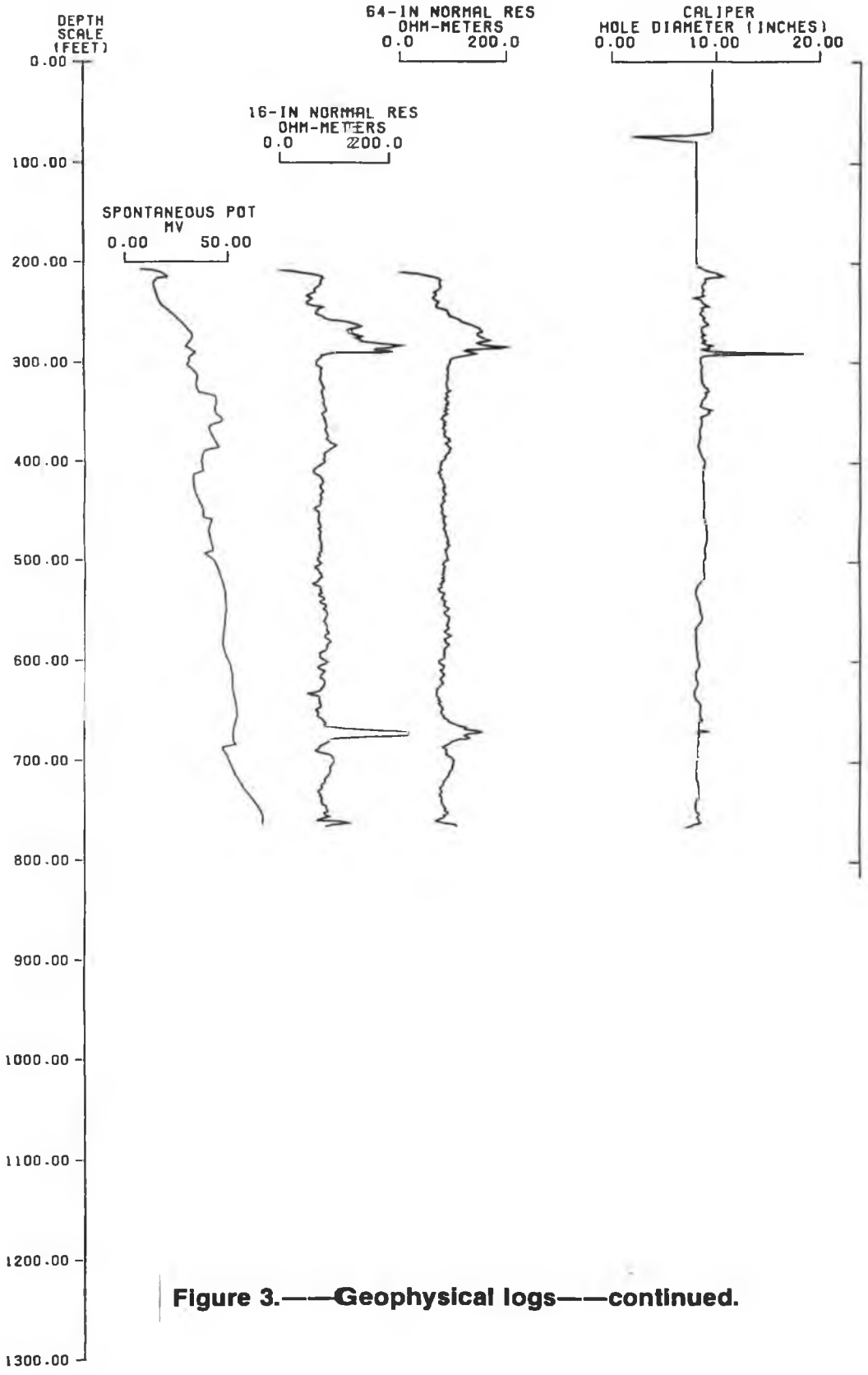


Figure 3.——Geophysical logs——continued.

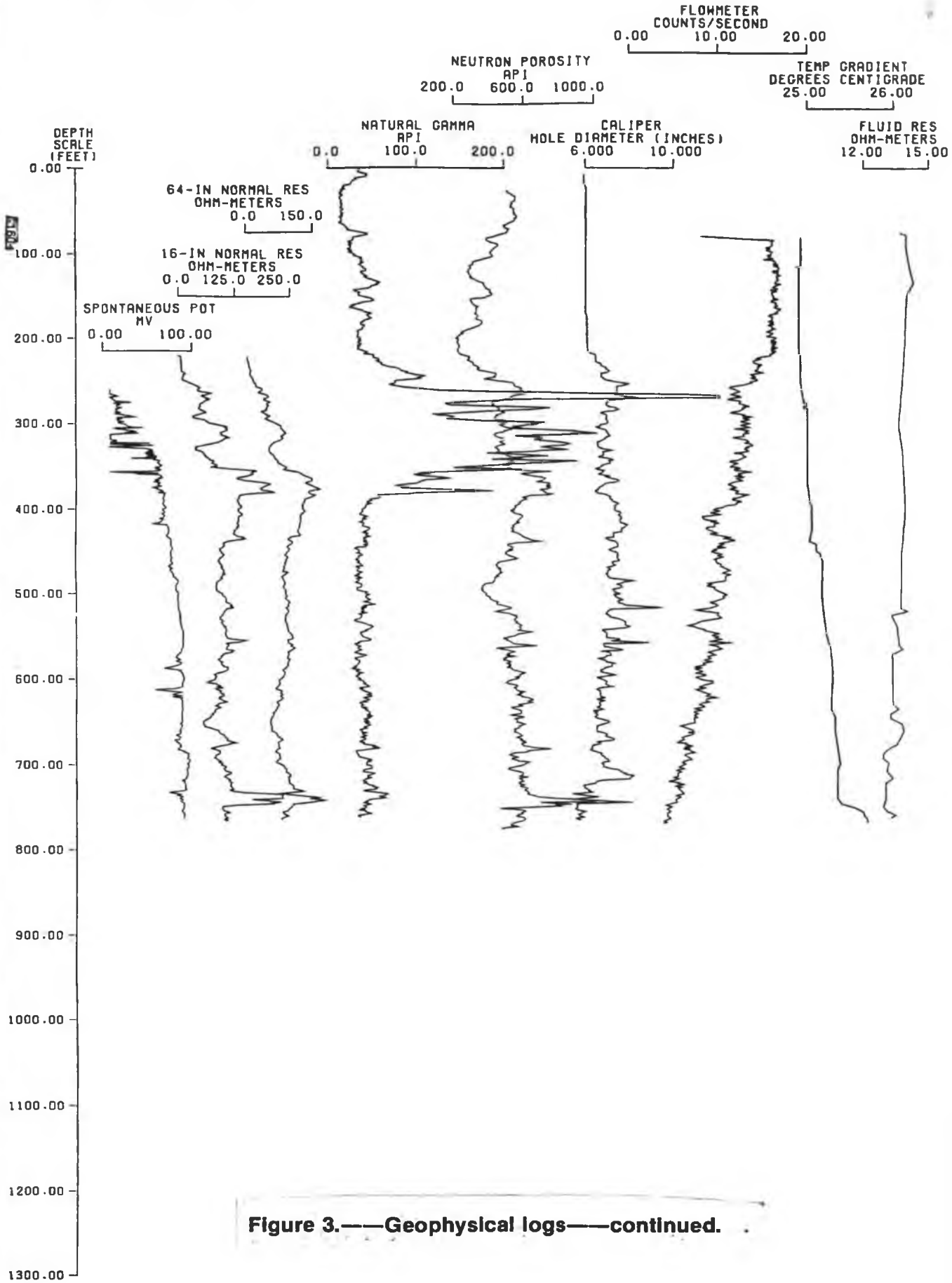


Figure 3.——Geophysical logs——continued.

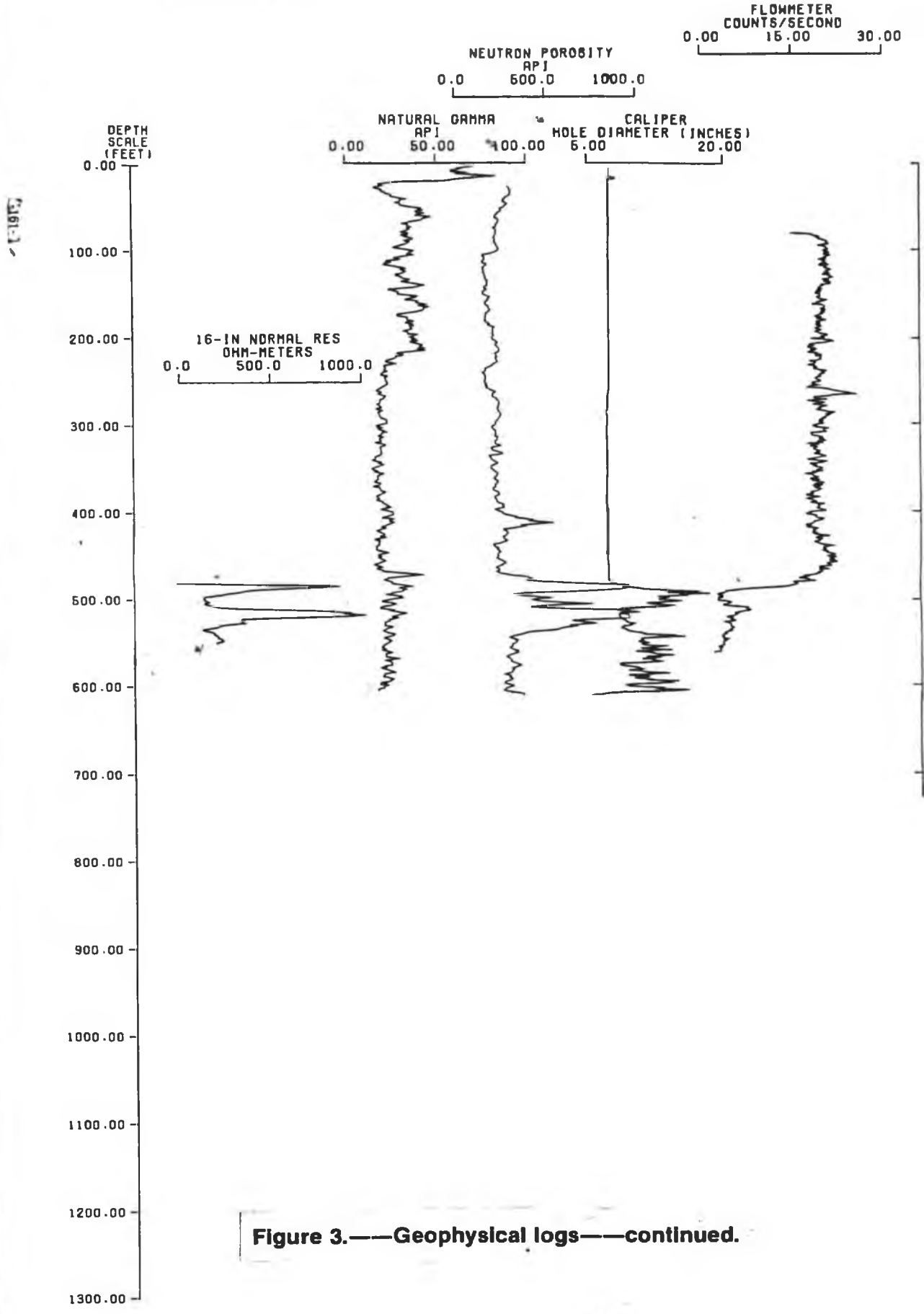


Figure 3.——Geophysical logs——continued.

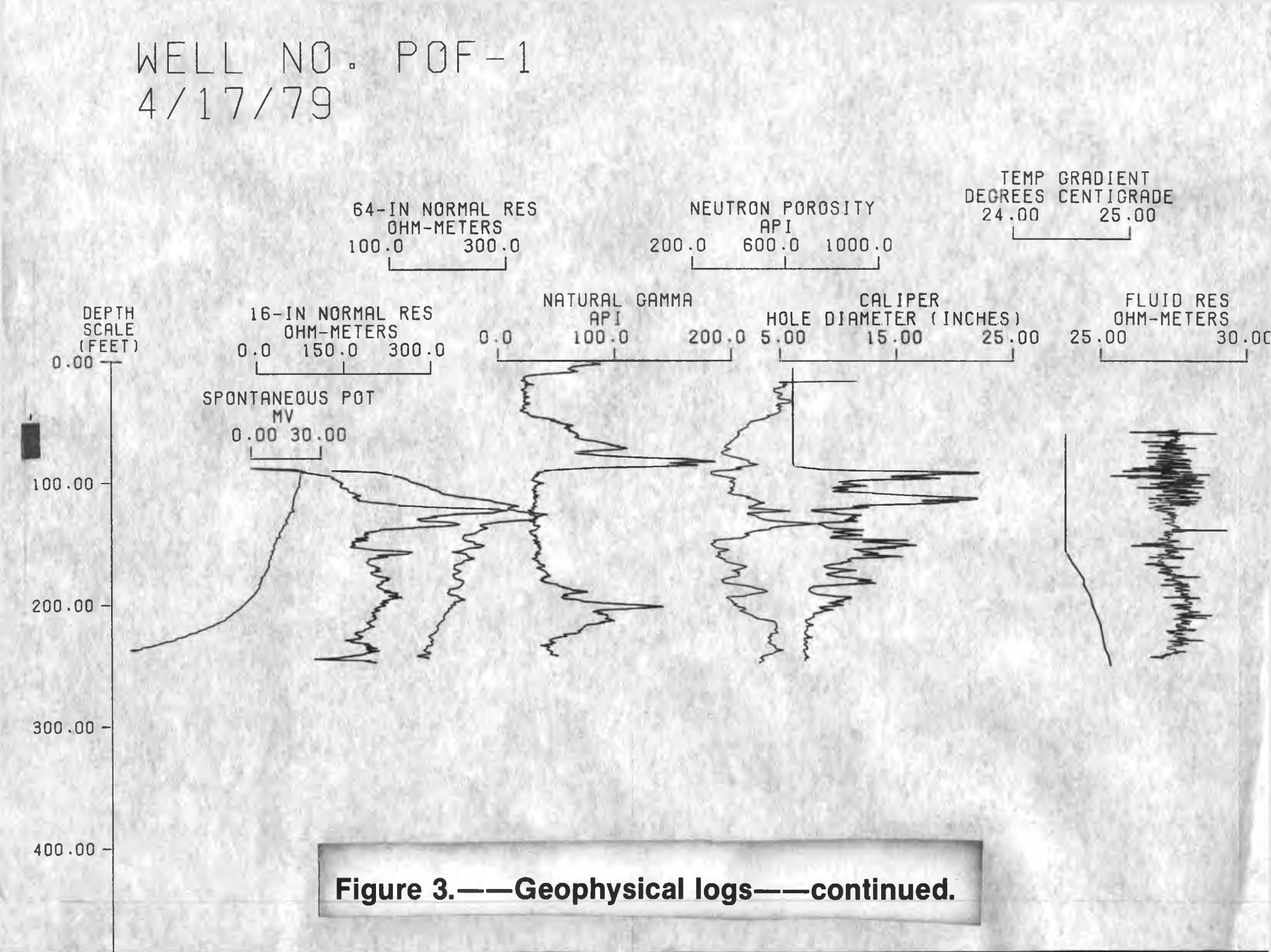
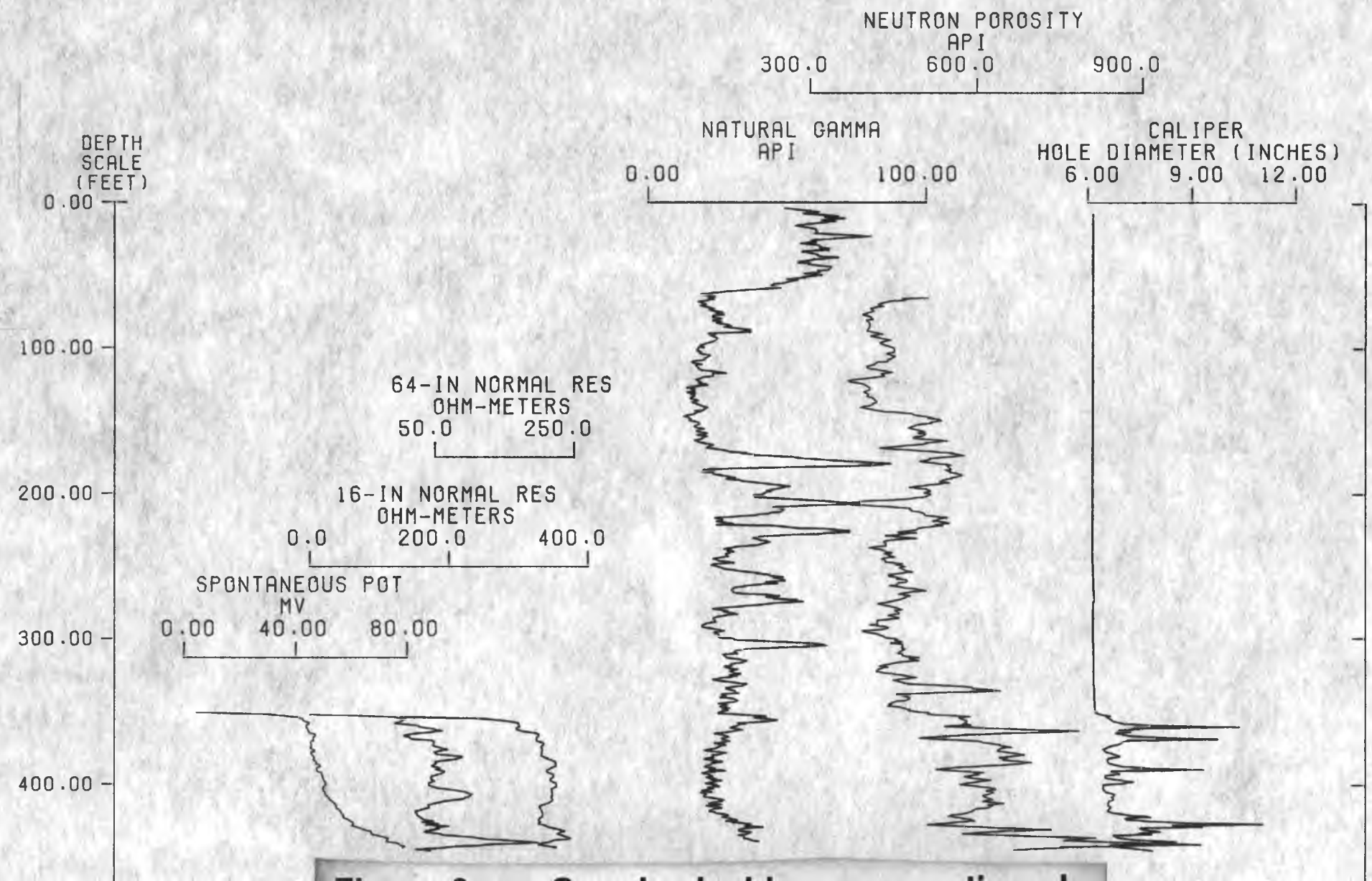


Figure 3.——Geophysical logs——continued.

WELL NO. POF-2
4/18/79



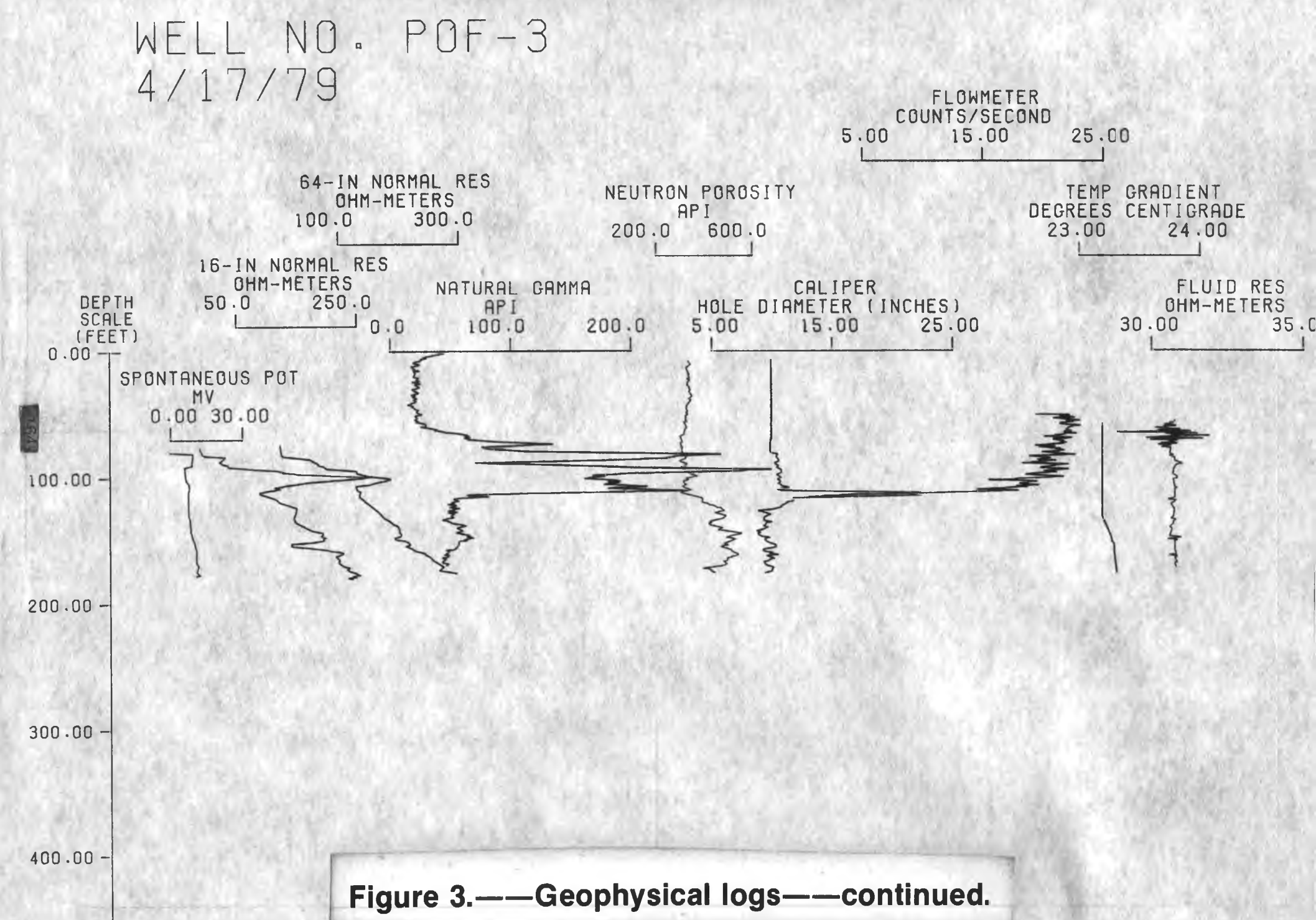
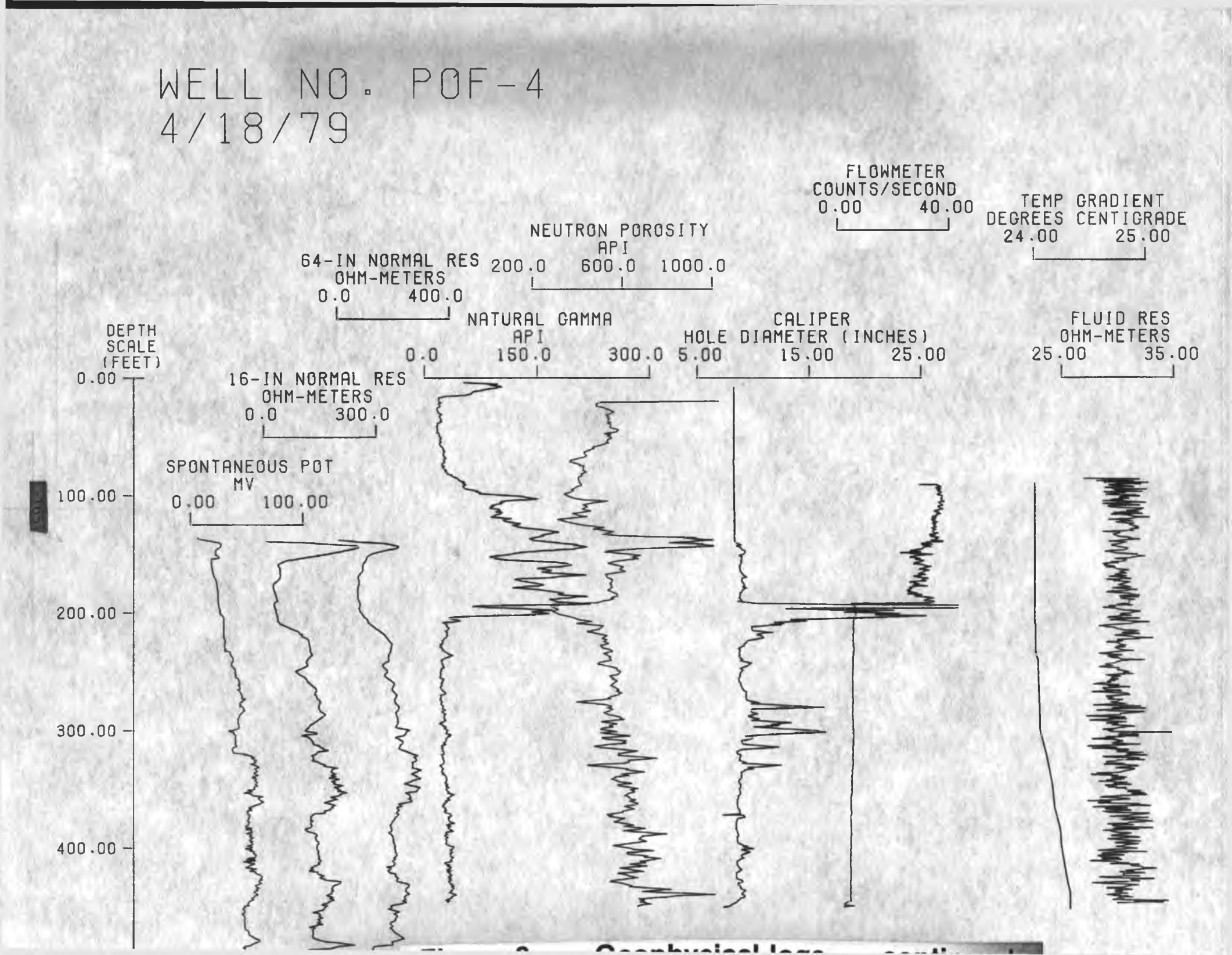


Figure 3.——Geophysical logs——continued.


WELL NO. POF-4
4/18/79
FLOWMETER
COUNTS/SECOND
0.00 40.00
TEMP GRADIENT
DEGREES CENTIGRADE
24.00 25.00
NEUTRON POROSITY
API
200.0 600.0 1000.0
64-IN NORMAL RES
OHM-METERS
0.0 400.0
NATURAL GAMMA
API
0.0 150.0 300.0
CALIPER
HOLE DIAMETER (INCHES)
5.00 15.00 25.00
FLUID RES
OHM-METERS
25.00 35.00
DEPTH
SCALE
(FEET)
0.00
16-IN NORMAL RES
OHM-METERS
0.0 300.0
SPONTANEOUS POT
MV
0.00 100.00
100.00
200.00
300.00
400.00

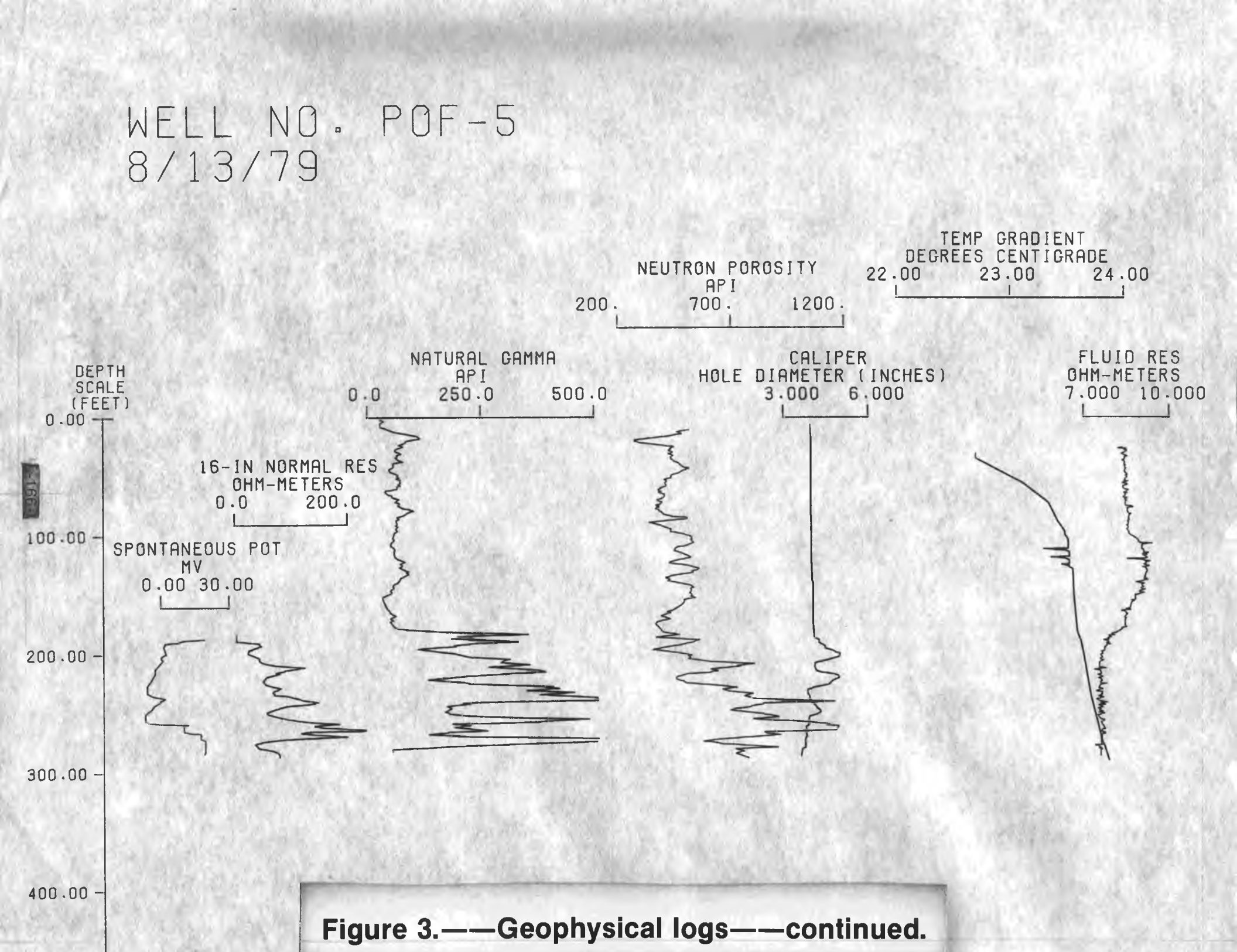


Figure 3.——Geophysical logs——continued.

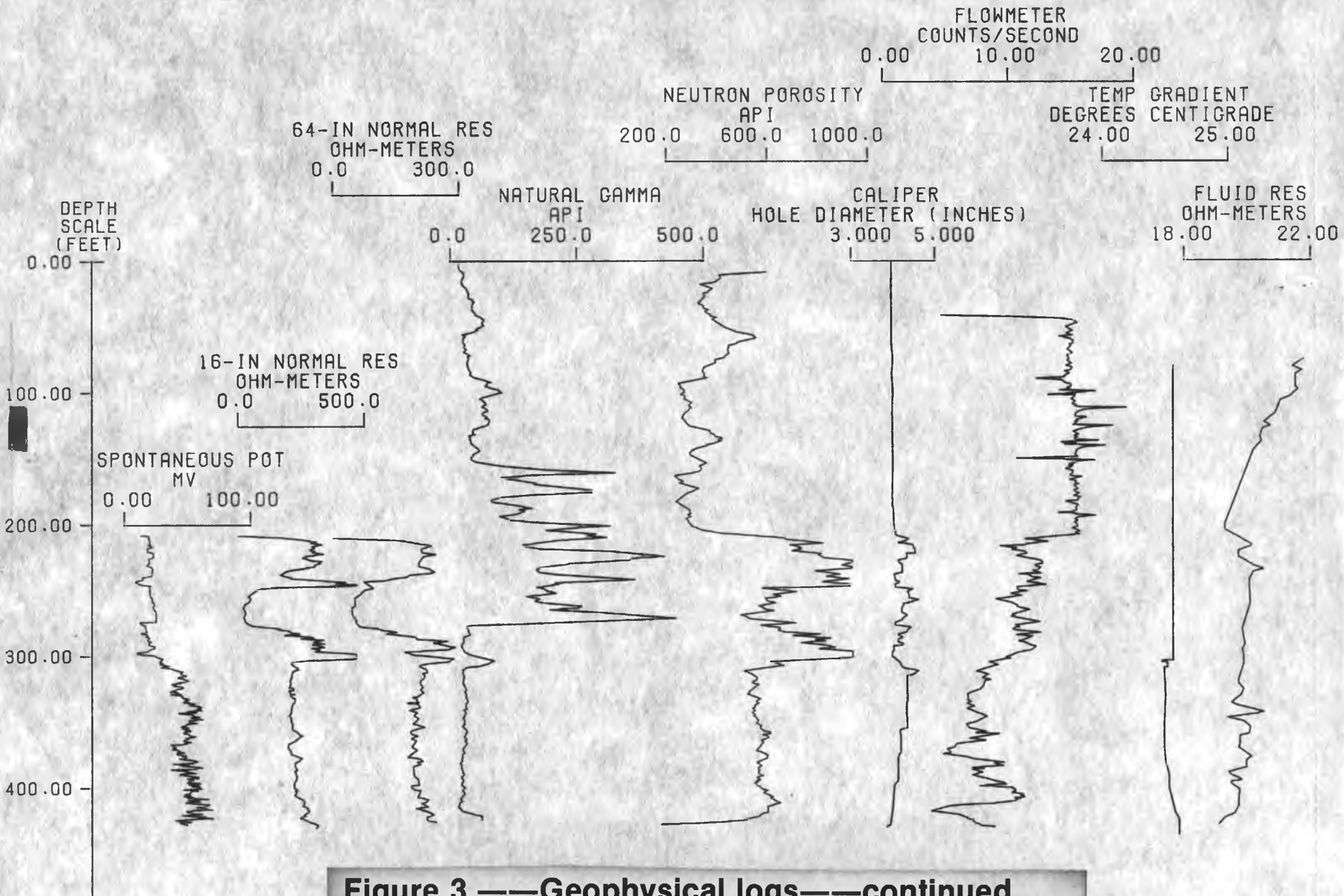


Figure 3.——Geophysical logs——continued.

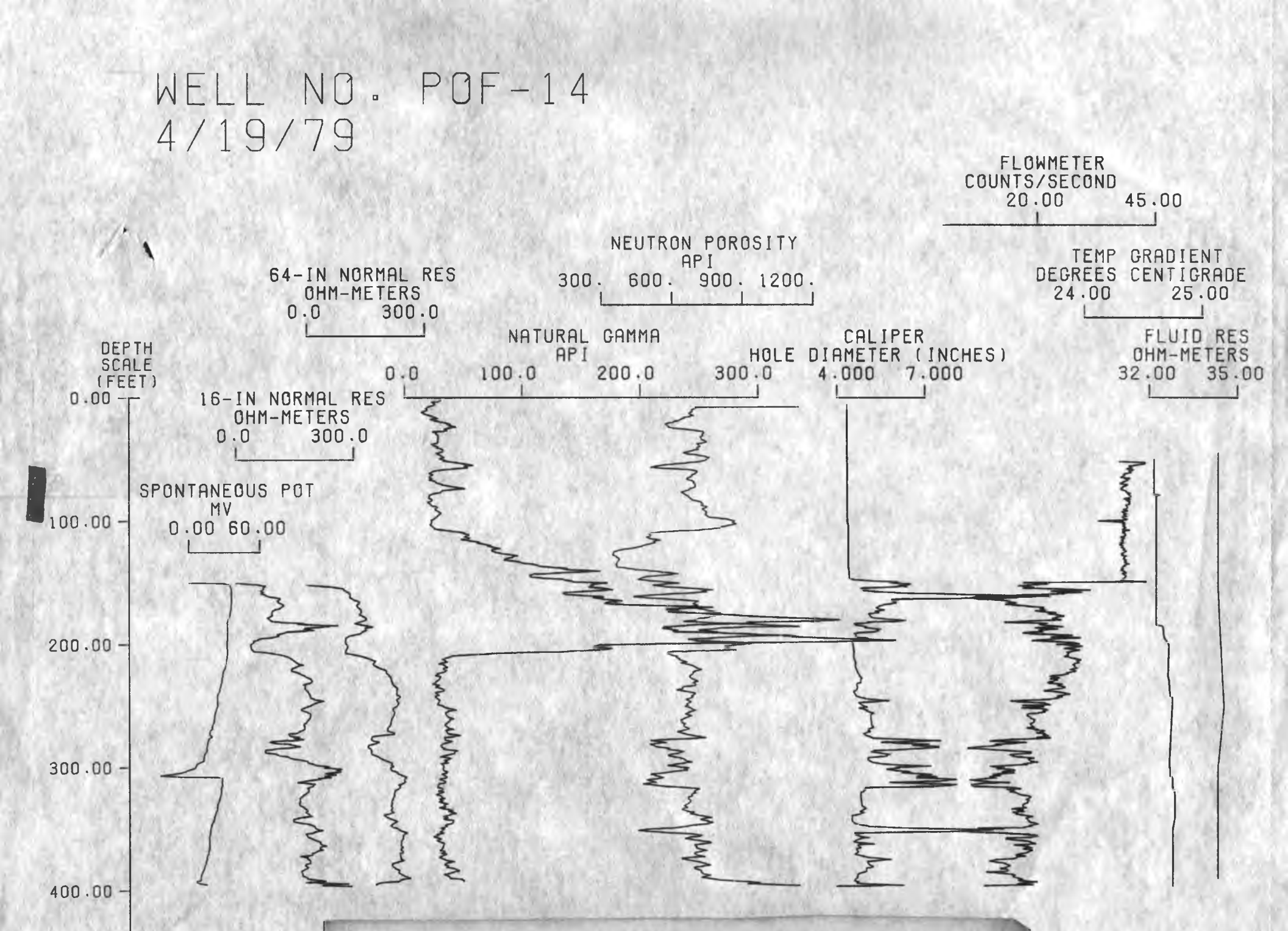


Figure 3.——Geophysical logs——continued.

GEOLOGIC DESCRIPTIONS

Drill cuttings from wells drilled in the area are described in Table 6. Wells for which geologic descriptions are included are indicated in Table 5 and their locations are shown in Figure 1. Drill cuttings were collected at 10 or 20-foot intervals and at observed lithologic changes. All cuttings were examined by SFWMD personnel or Florida State University staff and have been forwarded to the Florida Bureau of Geology, Tallahassee, Florida. The presence of certain key fossils are also noted in Table 6.

Table 6. Geologic Descriptions

SFWMD Well No. MF-20
Martin County
Latitude: 27°09'19"
Longitude: 80°36'50"
Sec. 22, T 38S, R 37E
Reference Datum: Top of casing, about 35' NGVD of 1929
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: South Florida Water Management District
Cuttings Described by: South Florida Water Management District

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.
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.

Table 6. Geologic Descriptions (Continued)

....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; 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; 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; increasing limestone, white; hard; phosphorite, fine to medium sand; shell fragments.
540 - 560	Clay, silt and sand, light gray, plastic; increasing limestone, white; hard; phosphorite, fine sand to medium sand; 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.

Table 6. Geologic Descriptions (Continued)

....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, as above 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, 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, moderately hard (dolostone?).
800 - 880	Limestone, light brown to tan, and white, calcilutite, sucrosic, soft; limestone, light gray to gray (dolostone?), moderately 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, moderately hard.
920 - 940	As above; minor limestone (dolomite?), hard, dense subcrystalline 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.

Table 6. Geologic Descriptions (Continued)

....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); Lepidocyclina sp., minor limestone (dolostone?), gray, moderatley 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?) subcrystalline 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; 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 percent limestone, 25 percent dolomite, less dolomite than 1120 - 1140'.
1160 - 1180	Limestone, light gray to white to very light 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.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OKF-29
Okeechobee County
Latitude: 27°26'30"
Longitude: 80°50'30"
Sec. 9, T 35S, R 25E
Reference Datum: Land surface, about 65' NGVD of 1929
Owner: McArthur Dairy
Drilled by: McCullers and Howard Drilling
Drilling Method: Jet Percussion: 0' - 336'
Rotary Air assist: 336' - 1180'
Cuttings Collected by: South Florida Water Management District
Cuttings Described by: South Florida Water Management District

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

Table 6. Geologic Descriptions (Continued)

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
157 - 168	As above; may be less consolidated than above, and less shell fragments.
168 - 210	Quartz, clear, medium sand size, moderately 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 medium to fine sand size; shell fragments (pelecypods, echinoid spines); limestone fragments.
220 - 231	Quartz, clear, frosted, medium sand size, moderately sorted; phosphorite, black, medium 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, gray, crystalline, hard; shell fragments; limestone fragments; phosphorite, black, fine to coarse sand size.
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, moderately 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 to medium sand size; quartz, frosted, subangular, medium sand size, moderately sorted; shell fragments.
325 - 340	No sample.
340 - 350	As 315' - 325'; iron stained, shell fragments.

Table 6. Geologic Descriptions (Continued)

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
350 - 360	Sample missing.
360 - 370	Limestone, white, crystalline (calcilutite), hard; phosphorite, black brown, medium sand size; trace quartz.
370 - 380	As above; less phosphorite; silt size.
380 - 390	Limestone, white subcrystalline, hard; phosphorite, black, medium sand size.
390 - 400	Clay and silt, light green, calcareous, plastic; phosphorite, black coarse sand to granule size; limestone fragments; iron stained flakes.
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; dolomite, gray crystalline, hard; phosphorite, black, hard, granule size.
440 - 460	Limestone, white to light gray, subcrystalline; phosphorite black, medium 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., Dictyoconus 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; fewer forams than above.
620 - 630	Limestone, white calcarenite; few forams.

Table 6. Geologic Descriptions (Continued)

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
630 - 660	As above; dolomite, gray, crystalline, hard.
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; more grayish in color, 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., Dictyoconus sp.; quartz, frosted, sand size; dolomite, gray, crystalline.
880 - 890	As above; less dolomite.
890 - 900	Limestone, white, calcarenite; forams; limestone (dolomite?) light brown, crystalline; dolomite, gray, crystalline; dolomite, dark blue, well rounded, polished?

Table 6. Geologic Descriptions (Continued)

....OKF-29 (Continued)

DEPTH (FT.)	DESCRIPTION
900 - 920	As above; increasing amounts of gray crystalline dolomite.
920 - 940	Limestone, white to light tan, calcarenite with many forams (foram coquina).
940 - 960	Limestone (dolomite?) light brown, subcrystalline to crystalline, Lepidocyclina sp.
960 - 990	Limestone, white, calcarenite, Lepidocyclina sp.; trace quartz, and gray crystalline dolomite.
990 - 1010	As above; increasing sparry calcite cement.
1010 - 1020	Limestone, white to light tan, calcarenite and sparry calcite cement; small amounts, gray crystalline dolomite and quartz sand.
1020 - 1030	As above; with Lepidocyclina sp.
1030 - 1040	Limestone, light brown, subcrystalline, calcilutite (sparry); limestone, white, calcarenite, soft; Lepidocyclina sp.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OSF-25
Osceola County
Latitude: 28°19'55"
Longitude: 81°37'07"
Sec. 11, T 25S, R 27E
Reference Datum: land surface 99' NGVD
Owner: Holiday Inn
Drilled by: Central Florida Well Drillers
Drilling Method: Cable Tool
Cuttings Collected by: Driller
Cuttings Described by: South Florida Water Management District

DEPTH (FT.)	DESCRIPTION
0 - 30	Quartz, buff, fine to medium sand size, subangular to subrounded, well sorted, unconsolidated; trace phosphorite; trace clay towards base.
30 - 40	Quartz, brown, fine to medium sand size, subangular, unconsolidated.
40 - 50	Quartz, clear, medium sand size, subrounded, moderately sorted, unconsolidated; trace phosphorite.
50 - 60	Sample missing.
60 - 70	Quartz, clear, medium to coarse sand size, subangular to subrounded, moderately sorted, unconsolidated.
70 - 80	Quartz, green, fine sand size, angular, well sorted, trace phosphorite.
80 - 100	Clay, calcareous, gray; shell fragments, including echinoid fragments.
100 - 130	Limestone, white calcilutite, poorly consolidated; fossils present.
130 - 200	As above; Dictyoconus sp.
200 - 300	Limestone, white, calcilutite, poorly consolidated; trace quartz, sand size; Dictyoconus sp.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OSF-26
Osceola County
Latitude: 28°11'59"
Longitude: 81°14'28"
Sec. 29, T 26S, R 31E
Reference Datum: land surface 76' NGVD
Owner: C. W. Johns
Drilled by: Locke Well and Pump
Drilling Method: Cable Tool
Cuttings Collected by: Driller
Cuttings Described by: South Florida Water Management District

DEPTH (FT.)	DESCRIPTION
10 - 20	Quartz, brown and clear, medium sand size, well sorted, subangular; trace organics, soft.
20 - 30	As above; lighter brown in color; soft.
30 - 40	Quartz, gray clear, medium sand size, well sorted, subangular; trace organics; soft.
40 - 60	Quartz, clear, medium sand size, well sorted, subrounded; trace heavy minerals.
60 - 70	Quartz, gray, clay size, poorly sorted; minor shell fragments.
70 - 80	Clay, gray; quartz, medium sand size, poorly sorted; minor shell fragments; trace heavy minerals.
80 - 130	Clay, light gray, calcareous; quartz, fine sand size, clear; heavy minerals, well sorted; minor shell fragments.
130 - 140	As above; darker gray.
140 - 150	As above; quartz, clear, coarse sand size, subrounded.
150 - 160	Clay, gray, calcareous; minor shell fragments.
160 - 170	Limestone (shell hash), poorly consolidated; clay (lime mud); quartz, clear, coarse sand size; phosphorite, coarse sand size.
170 - 190	Clay, gray to light brown, calcareous; trace quartz, fine sand size.
190 - 210	As above; light gray to green; shell fragments.
210 - 230	Shell fragments; quartz clear, sand size, poorly sorted, subangular, subrounded; phosphorite, medium sand size.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OSF-27
Osceola County
Latitude: 28°20'51"
Longitude: 81°13'32"
Sec. 4, T 25S, R 31E
Reference Datum: Top of casing, about 64' NGVD of 1929
Owner: Lake Ajay Estates
Drilled by: Central Florida Well Drillers
Drilling Method: Cable Tool
Cuttings Collected by: Driller
Cuttings Described by: South Florida Water Management District

DEPTH (FT.)	DESCRIPTION
0 - 10	Sample missing.
10 - 20	Quartz, iron stained, medium sand to silt size, well sorted, subrounded, unconsolidated.
20 - 30	Quartz, tan, medium sand size, sorted, subrounded, unconsolidated.
30 - 40	Quartz, clear and tan, medium sand size, sorted, subrounded, unconsolidated.
40 - 50	As above; lighter in color and clear.
50 - 60	As above; few opaque grains, purple to blue, heavy minerals.
60 - 80	Quartz, clear, medium sand size, poorly sorted, subrounded, unconsolidated; few dark purple to blue opaque mineral grains (heavy minerals).
80 - 90	Quartz, clear becoming green in color (coated), medium sand size, sorted, subrounded, unconsolidated.
90 - 100	Quartz, green, silt to medium sand size, poorly sorted, subangular, compacted.
100 - 120	As above; becoming finer and more compact.
120 - 180	Quartz, green, clay, silt and medium sand size, may contain clay minerals, compact.
180 - 190	As above; trace limestone fragments.
190 - 200	As above; lighter in color.
200 - 210	As above; trace phosphorite, medium sand size.

Table 6. Geologic Descriptions (Continued)

....OSF-27 (Continued)

DEPTH (FT.)	DESCRIPTION
210 - 220	Quartz, tan to light green, silt to medium sand size, poorly sorted, subangular, subrounded; phosphorite, medium sand size.
220 - 230	Limestone, white micritic; quartz, clear, coarse sand size, poorly sorted; phosphorite, medium sand size.
230 - 240	As above; increased quartz, medium sand size.
240 - 260	Limestone, white, micritic; quartz, very coarse sand size, poorly sorted; phosphorite, medium sand size.
260 - 280	Limestone, white, micritic, minor quartz, clear, medium sand size, rounded; minor phosphorite, sand size.
280 - 310	Limestone, light brown to white, micritic; trace quartz, medium sand size, clear, rounded.
310 - 350	Limestone, light brown to white, micritic; minor quartz, medium sand size, frosted, rounded.
350 - 370	Limestone, white, micritic, sparry calcite cement, well cemented; bryozoan, Dictyoconus sp.; minor quartz, frosted, clear, rounded.
370 - 380	As above, trace quartz.
380 - 390	As above, trace dolomite; light gray, crystalline hard.
390 - 400	Limestone, white, micritic; dolomite, light gray, crystalline, hard.
400 - 410	Limestone, white, micritic, sparry calcite cement; minor quartz, medium sand size, frosted, well rounded.
410 - 420	Limestone, white to light brown, micritic; bryozoan Dictyoconus sp.; quartz, frosted, rounded; trace dolomite, gray, crystalline, hard.
420 - 430	Limestone, light brown to tan, micritic, sparry calcite cement, subcrystalline, well cemented; quartz, frosted, subrounded.
430 - 440	Sample missing.
440 - 450	Limestone, brown to tan, sparry calcite, subcrystalline, moderately cemented; Dictyoconus sp.

Table 6. Geologic Descriptions (Continued)

....OSF-27 (Continued)

DEPTH (FT.)	DESCRIPTION
450 - 470	Limestone, light brown, gray to white, micritic and sparry, calcite cement.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OSF-31
Osceola County
Latitude: 28°17'19"
Longitude: 81°13'40"
Sec. 28, T 25S, R 31E
Reference Datum: Top of Casing +79' NGVD
Owner: Carrol Fulner
Driller by: Central Florida Well Drillers, Inc.
Cuttings Collected by: Driller
Cuttings Described by: South Florida Water Management District

DEPTH (FT.)	DESCRIPTION
0 - 10	Quartz, clean, fine sand size, subangular, unconsolidated; trace organics.
10 - 30	Quartz, iron stained, clear, fine sand size, poorly sorted, angular to subangular, unconsolidated; trace organics.
30 - 40	Quartz, iron stained, clear, fine to medium sand size, poorly sorted, subangular to subrounded, poorly consolidated; trace clay.
40 - 70	Clay, gray, plastic; quartz, medium sand and silt size; trace fine phosphorite; rounded shell fragments.
70 - 80	Clay, gray, plastic; quartz, fine sand and silt size; phosphorite; shell fragments.
80 - 90	Limestone, shell hash, white to gray, poorly consolidated, shell preservation good; clay, gray; quartz, clear, subrounded; minor black organics.
90 - 100	Limestone, light gray, shell hash, poorly consolidated; quartz, medium sand size, subangular, poorly sorted; trace phosphorite; trace clay.
100 - 110	Limestone, sandy, light gray, shell hash, poorly consolidated; quartz, clean, subrounded, poorly sorted; trace phosphorite; trace clay.
110 - 120	Clay, calcareous, light gray, shell fragments, abundant; quartz, clean, subangular, poorly sorted; trace phosphorite.
120 - 150	Sandstone, calcareous, light gray to gray, quartz, medium sand to silt size, subrounded to rounded, poorly sorted, calcite cement, poorly cemented; shell fragments, minor phosphorite, sand size.

Table 6. Geologic Descriptions (Continued)

....OSF-31 (Continued)

DEPTH (FT.)	DESCRIPTION
120 - 150	Sandstone, calcareous, light gray to gray, quartz, medium sand to silt size, subrounded to rounded, poorly sorted, calcite cement, poorly cemented; shell fragments, minor phosphorite, sand size.
150 - 170	Sandstone, calcareous, white to light gray, quartz, medium sand to silt size, angular to subangular, poorly sorted, calcite cement, poorly cemented; shell fragments; minor phosphorite, medium sand to silt size.
170 - 180	Sandstone, calcareous, light gray, quartz, medium sand to silt size, subangular to subrounded, poorly sorted, calcite cement, cemented; shell fragments, minor internal shell molds; minor phosphorite, medium sand to silt size.
180 - 190	Sandstone, calcareous, gray, quartz, fine sand to silt size, subangular, sorted, calcite cement, poorly cemented; shell fragments; minor phosphorite, silt size.
190 - 200	Sandstone, calcareous, light green, quartz, fine sand size to silt size, subangular, moderately sorted, calcite cement, poorly cemented; shell fragments; minor phosphorite, medium sand size.
200 - 210	Sandstone, calcareous, light green, quartz, fine sand to silt size, angular to subangular, sorted, calcite cement, poorly cemented; shell fragments; minor phosphorite, medium sand to silt size.
210 - 220	Sandstone, calcareous, light to medium green, quartz, medium sand to silt size, subrounded, poorly sorted, calcite cement, poorly cemented; abundant shell fragments; trace phosphorite, silt size.
220 - 230	Sandstone, calcareous, very light gray, quartz, medium sand to silt size, subrounded, poorly sorted, calcite cement, poorly cemented; abundant shell fragments; trace phosphorite, silt size.
230 - 240	Sandstone, calcareous, light green, quartz, medium sand size, subrounded, sorted, calcite cement, poorly cemented; shell fragments; trace phosphorite, medium sand size.
240 - 250	Limestone, white to light tan, hard, micritic; quartz, clear, medium sand size; trace phosphorite, fine sand to silt size.

Table 6. Geologic Descriptions (Continued)

....OSF-31 (Continued)

DEPTH (FT.)	DESCRIPTION
250 - 260	Limestone, white to light tan, hard, micritic; quartz, clear, rounded to well rounded; trace phosphorite, medium sand size.
260 - 270	Limestone, white, moderately hard, micritic; quartz, clear, medium sand size, rounded; minor phosphorite, fine sand size.
270 - 290	Limestone, white to light tan, moderately hard, biomicritic; Dictyoconus sp.; quartz, clear, medium sand size, subangular; minor phosphorite, medium sand size.
290 - 300	Limestone, white to cream, hard, micritic; no Dictyoconus sp. observed; quartz, clear, medium sand size, rounded; trace phosphorite, medium sand size.
300 - 310	Limestone, white, hard, micritic, grainy texture; quartz, clear, medium sand size, rounded; trace phosphorite, medium sand size.
310 - 320	Limestone, white, hard, biomicritic; shell fragments; quartz, clear, medium sand size, rounded; trace phosphorite, medium sand size.
320 - 330	Limestone, white, hard, micritic, grainy texture; quartz, clear, medium sand size, rounded; trace phosphorite, medium sand size.
330 - 400	Limestone, white, moderately hard, foraminiferal biosparite; minor quartz, clear, medium sand size; subangular; minor dolomite, brown, sucrosic; trace phosphorite; Dictyoconus sp.
400 - 410	Sample missing.
410 - 440	Limestone, cream, moderately hard, subcrystalline; shell fragments; dolomite?; minor quartz, medium sand size, rounded; phosphorite; Dictyoconus sp.
440 - 460	Limestone, cream, moderately hard, biosparite; dolomite, brown and gray.
460 - 480	Limestone, white, hard, subcrystalline; dolomite?; Dictyoconus sp.

Table 6. Geologic Descriptions (Continued)

SFWMD Well No. OSF-45
Osceola County
Latitude: 28°20'46"
Longitude: 81°12'50"
Sec. 5, T 24S, R 31E
Reference Datum:
Owner: Majestic Oaks
Drilled by: Central Florida Well Drillers
Drilling Method: Cable Tool
Cuttings Collected by: Driller
Cuttings Described by: South Florida Water Management District

DEPTH (FT.)	DESCRIPTION
0 - 40	Quartz, dark brown, fine sand size, well sorted, angular, unconsolidated.
40 - 50	As above; also minor clay.
50 - 60	Quartz, tan, medium sand size, poorly sorted, angular, unconsolidated; minor clay.
60 - 80	Quartz, gray, sand size, angular, moderately sorted, unconsolidated; minor calcareous clay; minor shell fragments.
80 - 90	As above; increase in calcareous clay, and shell fragments.
90 - 100	Limestone, gray, calcilutite; shell fragments; minor chert, pebbles.
100 - 110	Limestone, light gray, soft calcilutite; quartz, silt size; minor clay; minor shell fragments.
110 - 120	Clay, gray, calcareous; abundant shell material.
120 - 130	As above; also minor quartz sand.
130 - 140	Quartz, medium sand size, moderately sorted, subrounded; abundant calcareous clay (matrix?); shell fragments; trace phosphorite.
140 - 150	Clay, gray, calcareous; abundant shell fragments; minor quartz sand; minor phosphorite.
150 - 190	Quartz, medium sand size, moderately sorted, subangular; abundant clay matrix; trace phosphorite.
190 - 200	As above; limestone, finely crystalline; minor phosphorite.

Table 6. Geologic Descriptions (Continued)

....OSF-45 (Continued)

DEPTH (FT.)	DESCRIPTION
200 - 210	Limestone, white, calcarenite, moderately hard; quartz, medium sand size, well rounded.
210 - 220	As above; also minor phosphorite.
220 - 270	Limestone, white, calcilutite, soft; minor quartz sand, trace phosphorite.
270 - 280	Limestone, white, calcilutite, soft; abundant quartz, medium sand size; trace phosphorite.
280 - 290	As above; less quartz.
290 - 300	As above; also minor hard pebble phosphorite.
300 - 310	Limestone, cream, calcarenite, poorly consolidated; minor quartz, medium sand size, well rounded.
310 - 340	Limestone, white, calcilutite, soft; trace quartz, medium sand size.
340 - 350	No sample.
350 - 400	As 310' - 340'.
410 - 420	Dolomite?, tan, micro sucrosic, poorly consolidated; minor quartz, medium sand size.
420 - 430	As 310' - 340'.
440 - 450	Limestone, white, calcilutite, hard; trace quartz sand.

SELECTED REFERENCES

The following list of selected references is included to assist the reader in obtaining further data and information on the hydrogeology of the Kissimmee Planning Area and adjacent areas. Not all of these publications are cited in the text.

American Public Health Association, 1976. Standard Methods for the Examination of Water and Wastewater, Washington, D.C., 14th Ed., 505 p.

Applin, P. L., Applin, E. R., 1944. Regional Subsurface Stratigraphy and Structure of Florida and Southern Georgia: Geological Society of America, Bull. 28 (12): pp. 1673-1753.

Bishop, E. W., 1956. Geology and Ground-Water Resources of Highlands County, Florida: Florida Bureau of Geology, R.I. #15, 115 p.

Brown, Eugene, Skougstad, M. W., Fishman, J. J., 1970. Methods for Collection and Analysis of Water Samples for Dissolved Minerals and Gases: U. S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1, 160 p.

Brown, M. P., 1980. Aquifer Recovery Test Data and Analyses for the Floridan Aquifer System in the Upper East Coast Planning Area, South Florida Water Management District: SFWMD Tech. Pub. 80-1, 52 p.

Brown, M. P., Reece, D. E., 1979. Hydrogeologic Reconnaissance of the Floridan Aquifer System Upper East Coast Planning Area: SFWMD Tech. Map Series #79-1, Plates 1-10B.

Chen, C. S., 1965. The Regional Lithostratigraphic Analysis of Paleocene and Eocene Rocks of Florida: Florida Bureau of Geology, Bull. #45, 105 p.

Klein, H., Schroeder, M. C., Lichtler, W. F., 1964. Geology and Groundwater Resources of Glades and Hendry Counties, Florida: Florida Bureau of Geology, R.I. #37, 101 p.

Knochenmus, D. D., 1975. Hydrologic Concepts of Artificially Recharging the Floridan Aquifer in Eastern Orange County, Florida - A Feasibility Study: Florida Bureau of Geology, R.I. #72, 14 fig., 2 tables.

Kohout, F. A., Meyer, F. W., 1959. Hydrologic Features of the Lake Istokpoga and Lake Placid Area, Highlands County, Florida: Florida Bureau of Geology, R.I. #19, 40 p.

Lichtler, W. F., 1972. Appraisal of Water Resources in the East Central Florida Region: Florida Bureau of Geology, R.I. #61, 52 p.

Lichtler, W. F., Anderson, W., Joyner, B. F., 1964. Interim Report on the Water Resources of Orange County, Florida: Florida Bureau of Geology, I.C. #41, 50.

SELECTED REFERENCES (Continued)

Lichtler, W. F., Joyner, B. F., 1966. Availability of Ground-Water in Orange County, Florida: Florida Bureau of Geology, M.S. #21, 1 plate.

Mooney, R. T., Brown, M. P, Wise, S. W., 1980. The Stratigraphy of the Floridan Aquifer System East and Northeast of Lake Okeechobee, Florida Southeastern Geology (In Press).

Parker, G. G., Ferguson, G. E., Love, S. K., et al., 1955. Water Resoures of Southeastern Florida: U. S. Geological Survey, Water Supply Paper 1255, 965 p.

Parker, G. G., Hoy, N. D., 1944. Geology and Groundwater of the Kissimmee River - Lake Okeechobee Area, Florida: The Soil Science Society of Florida, Proc. Vol. 6-7, pp. 20-70.

Puri, H. S., Winston, G. O., 1974. Geologic Framework of the High Transmissivity Zones in South Florida. Florida Bureau of Geology, S.P. 20, 99 p.

Putnam, A. L., 1975. Summary of Hydrologic Conditions and Effects of Walt Disney World Development in the Reedy Creek Improvement District, 1966-73. Florida Bureau of Geology, R.I. #79, 115 p.

Reece, D. E., Brown, M. P., Hynes, S. D., 1980. Hydrogeologic Data Collected from the Upper East Planning Area: SFWMD Tech. Pub. #80-5, 117 p.

Robertson, A. F., 1973. Hydrologic Conditions in the Lakeland ridge area of Polk County, Florida: Florida Bureau of Geology, R.I. No. 64, 54 p.

Shampine, W. J., 1965. Chloride Concentration in Water from the Upper Part of the Floridan Aquifer in Florida: Florida Bureau of Geology, M.S. #12, 1 plate.

Shampine, W. J., 1965. Hardness of Water from the Upper Part of the Floridan Aquifer in Florida. Florida Bureau of Geology, M.S. #13, 1 plate.

Shampine, W. J., 1965. Dissolved Solids in Water from the Upper Part of the Floridan Aquifer in Florida, 1965. Florida Bureau of Geology, M.S. #14, 1 plate.

Shamine, W. J., 1965. Sulfate Concentration in Water from the Upper Part of the Floridan Aquifer in Florida, 1965: Florida Bureau of Geology, M.S. #15, 1 plate.

Stewart, H. G., 1936. Records of Wells and Water Resources Data in Polk County, Florida: Florida Bureau of Geology, I.C. #38, 144 p.

Stewart, H. G., 1959. Interim Report on the Geology and Ground-Water Resources of Northestern Polk County, Florida: Florida Bureau of Geology, I.C. #23, 83 p.

SELECTED REFERENCES (Continued)

Stewart, H. G., 1966. Ground-Water Resources Study of Polk County: Florida Bureau of Geology, Bull. #44, 105 p.

Stringfield, V. T., 1966. Artesian Water in Tertiary Limestone in the Southeastern States: U. S. Geological Survey, Prof. Paper #517, 226 p.

U. S. Environmental Protection Agency, 1974. Methods for Chemical Analysis of Water and Waste: National Environmental Research Center, Cincinnati, Ohio, 298 p.

Unklesbay, A. G., 1944. Ground-Water Conditions in Orlando and Vicinity, Florida: Florida Geological Survey, R.I. #5, 61 p.

Vernon, R. O., 1951. Geology of Citrus and Levy Counties, Florida: Florida Bureau of Geology, Bull. #33, 256 p.