

WATER-LEVEL DATA
FOR WELLS IN BURIAL GROUND 6,
OAK RIDGE NATIONAL LABORATORY, TENNESSEE,
1975-1979

By D. A. Webster, J. S. Beatty, P. M. Benjamin, and W. M. Trantum

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ABSTRACT

This report presents data pertaining to wells in Burial Ground 6 at Oak Ridge National Laboratory, Tennessee, for the period 1975 to 1979. It includes an inventory of wells, measurements of water levels, well hydrographs, and a map showing the location of the wells.

INTRODUCTION

Solid waste materials contaminated by low levels of radioactivity are usually disposed of by shallow trench burial in areas termed "burial grounds". As part of a hydrogeologic investigation of the burial grounds at Oak Ridge National Laboratory (ORNL), personnel of the Geological Survey have made frequent measurements of water levels in wells located in or near these disposal sites. With the completion of this phase of the investigation, the data are being published to serve the needs of the operators and managers of the sites and of the scientists that are performing various studies in them.

This report presents data pertaining to the wells and water-level fluctuations in wells at Burial Ground 6 for the period 1975 through 1979. These data have been collected to document recent hydrologic conditions at that site, to provide a foundation for interpretive reports that are to follow, to offer measured values for numerical models that simulate the ground-water flow system, and ultimately to aid in efforts leading to the design of a network for monitoring the movement of radionuclides from the waste-disposal sites.

The information is presented in four parts. Part 1 (Table 1) is a well inventory, giving the location of the wells and certain characteristics about them. Part 2 (Table 2) lists the depth to water measurements at each well, by date. Part 3 provides supplemental water-level measurements at wells for which only a very small number of measurements were made, and at wells for which measurements were made on dates other than those reported in the matrix of Table 2. Part 4, consisting of hydrographs, illustrates the fluctuations of the water surface in each well during the period of record.

Acknowledgments

Collection of the data has been performed in cooperation with the Oak Ridge Operations Office of the United States Department of Energy.

The authors gratefully acknowledge the assistance of D. D. Huff, Environmental Sciences Division, ORNL, and personnel of the Computer Sciences Division, ORNL, who have furnished computer-generated hydrographs of the water-level data. Although the hydrographs contained in this report have been drafted, the computer graphics have been very useful for identifying and correcting anomalies in the data base. The authors also express their appreciation to personnel in the Engineering Division, Union Carbide Corporation-Nuclear Division, for their generous provision of map and survey data pertaining to the wells reported herein. Without this information, the usefulness of the report would be considerably diminished.

Reference

Lomenick, T. F. and Wyrick, H. J., 1965, Geohydrological evaluation of Solid Waste Storage Area 6: U. S. Atomic Energy Comm., Oak Ridge Nat'l. Lab (Rept.), ORNL-TM-1327, 17 p.

PART 1. -- WELL INVENTORY

Data from an inventory of wells in and near Burial Ground 6 are summarized in Table 1, and the locations of the wells are shown on Plate 1. The inventory was begun in April 1975 and updated as changes occurred in existing wells and as new wells were constructed.

The following wells of record in Burial Ground 6 were destroyed prior to April 1975:

Well number	59	123	319	335	349
	60	297	332	336	353
	61	314	333	339	354
	111	316	334	340	

Wells in both Burial Grounds 3 and 6 have been assigned the numbers 301, 302, and 303. Because of the duplicate numbers, care should be exercised that references to these wells also identify the particular disposal site.

Latitude and Longitude Determinations

The latitude and longitude of individual well sites listed in Table 1 have been determined by substituting the ORNL grid coordinates (N and E) in the following set of equations:

$$\text{Latitude} = 35^{\circ}49'42.76'' + X$$

$$\text{Longitude} = 84^{\circ}21'41.41'' + Y$$

$$\text{where } X = (0.00821N + 0.00553E), \text{ in seconds}$$

$$Y = (0.00676N - 0.01003E), \text{ in seconds}$$

These equations provide a close approximation of latitude and longitude useful for the computer identification of wells. The reader is cautioned that their accuracy for other purposes, or for wells in areas other than the Melton Valley burial grounds, may be limited by errors inherent in the surveys and a small adjustment made herein to the point of beginning of the ORNL Grid Survey. Re-surveys are in progress. For the most precise determination of latitude and longitude, the reader may desire to refer coordinates from the re-surveys to the Tennessee State Plane Survey.

Explanation of Terms

WELL NO. - Well identification number which corresponds to the well numbers shown on Plate 1.

ORNL GRID - Coordinates of well sites, reported in feet north and east from the Point of Beginning of the ORNL Grid Survey.

DEPTH OF WELL - The distance, rounded to the nearest foot, between land surface and the bottom of the well.

YEAR COMPLETED - The year in which the well was completed.

CASING DIAMETER - The inside diameter of the casing, expressed in inches.

CASING TYPE - The material of which the well casing is made. The following letters denote casing materials:

P - plastic

S - steel

FINISH - Refers to the character and subsurface position of the openings that permit water to enter the well.

CHARACTER is denoted by the following letters:

Prf - perforated casing

Slt - slotted casing

Opn - open borehole

DEPTH INTERVAL - The distance, rounded to the nearest foot, between land surface and the upper and lower limits of the openings through which water can enter the well. Data for wells completed prior to 1977 are inferred from type of casing or caliper logs. A query (?) denotes unknown interval.

ALTITUDE - The altitude of the land surface at the well, in feet above the National Vertical Geodetic Datum (NVGD) of 1929.

MEASURING POINT - Refers to the point at the top of the casing at which repetitive water-level measurements were made.

DISTANCE ABOVE LAND SURFACE - The distance in feet from the measuring point to land surface. During the period of record, casings at numerous wells were damaged, necessitating an adjustment to the MEASURING POINT distance. Subsequent water-level measurements have been adjusted by this amount so that all measurements at a well could be referred to a single measuring point.

DATE DETERMINED - The date when the measuring point was established.

DEPTH TO WATER BELOW LAND SURFACE - A summary of the data extremes that appear in Table 2. Dashes appear for those wells at which less than five measurements were made during the period of record; these measurements are listed in part 3.

MINIMUM - The minimum measured depth to water, in feet below land surface, during the period of record. A plus sign indicates a water level above land surface. DRY indicates that the well was found without water at all times of measurement.

MAXIMUM - The maximum depth to water, in feet below land surface, during the period of record. DRY indicates that the well was found without water on one or more times of measurement.

STATUS OF WELL 12/79 - The status of the well as determined by field inspection on December 26, 1979. Status is denoted by the following letters:

- A - Casing undamaged. Water level is measureable and samples are obtainable.
- B - Casing is damaged, but water level is measureable and samples are obtainable. Measuring point distance reported herein and top of casing altitude (not reported herein) may or may not require adjustment.
- C - Casing is damaged to the extent that water levels and water samples are not obtainable. Measuring point distance and top of casing altitude are no longer valid.
- D - Well has been destroyed.

Table 1.--Records of observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee.

Well number	Location		Depth of well (ft)	Year completed	Casing		Finish		Altitude of land surface (ft above NGVD)	Measuring Point		Depth to Water below land surface			Status of well 12/79	
	Latitude (deg., m, s)	Longitude (deg., m, s)			ORNL Grid (ft) (ft)	Diameter (in)	Type	Character		Depth interval (ft)	Distance above surface (ft)	Date determined (m/d/yr)	Period of record (yrs)	Minimum (ft)		Maximum (ft)
107 ^a	35 54 18	84 19 32	N17041 E24402	122	1956	5 1/2	S	Opn	(?)	811.15	3.58	1/12/76	1975-79	18.66	24.12	A
108	35 54 21	84 19 32	N17279 E24584	126	1956	5 1/2	S	Opn	(?)	827.91	4.75	4/16/75	1975-79	28.55	31.86	A
109	35 54 21	84 19 33	N17330 E24499	126	1956	5 1/2	S	Opn	38-126	819.65	1.90	4/16/75	1975-79	21.53	25.22	B
110	35 54 21	84 19 30	N17204 E24684	125	1956	5 1/2	S	Opn	48-125	825.32	1.80	4/16/75	1975-79	29.37	31.77	B
266	35 54 03	84 19 35	N15968 E23327	17	1964	6 5/8	S	Prf	0-17	773.19	0.98	4/16/75	1975-76	1.64	15.40	C
267	35 54 04	84 19 37	N16118 E23221	17	1964	6 5/8	S	Prf	0-17	789.56	1.06	4/16/75	1975-79	2.98	DRY	A
268	35 54 06	84 19 38	N16365 E23307	20	1964	6 5/8	S	Prf	0-20	804.86	0.40	4/16/75	1975-79	2.46	DRY	A
269	35 54 06	84 19 41	N16511 E23104	20	1964	6 5/8	S	Prf	0-20	846.59	0.77	4/16/75	1975-79	11.93	DRY	A
270	35 54 08	84 19 40	N16602 E23303	21	1964	6 5/8	S	Prf	0-21	837.43	0.40	4/16/75	1975-77	DRY	DRY	A
271	35 54 09	84 19 38	N16581 E23472	21	1964	6 5/8	S	Prf	0-21	809.41	0.90	4/16/75	1975-76	DRY	DRY	D
272	35 54 06	84 19 35	N16221 E23520	8	1964	6 5/8	S	Prf	0-8	769.51	1.20	7/18/79	1975-79	0.13	8.42	B
273	35 54 06	84 19 33	N16126 E23633	11	1964	6 5/8	S	Prf	0-11	762.01	1.00	4/16/75	1975-78	2.86	6.80	D
274	35 54 05	84 19 37	N16210 E23347	19	1964	6 5/8	S	Prf	0-19	787.01	0.82	4/16/75	1975-79	8.12	DRY	A
275	35 54 07	84 19 33	N16206 E23737	9	1964	6 5/8	S	Prf	0-9	763.25	1.22	4/16/75	1975-78	4.41	8.07	D
276	35 54 08	84 19 31	N16211 E23895	6	1964	6 5/8	S	Prf	0-6	758.53	0.80	7/18/79	1975-79	+0.19	4.62	B
277	35 54 10	84 19 28	N16207 E24182	21	1964	6 5/8	S	Prf	0-21	773.47	0.82	4/16/75	1975-79	9.27	20.42	A
278	35 54 13	84 19 30	N16552 E24223	11	1964	6 5/8	S	Prf	0-11	775.22	1.82	4/16/75	1975-79	3.07	DRY	A
279	35 54 14	84 19 31	N16696 E24205	10	1964	6 5/8	S	Prf	0-10	779.27	2.08	4/16/75	1975-79	2.70	7.48	A
280	35 54 12	84 19 33	N16640 E23997	18	1954	6 5/8	S	Prf	0-18	783.47	1.50	4/16/75	-	-	-	D
281	35 54 13	84 19 34	N16720 E23998	47	1954	3	S	(?)	(?)	783.71	1.40	4/16/75	-	-	-	D
282	35 54 13	84 19 34	N16725 E24008	19	1954	6 5/8	S	Prf	0-19	783.53	0.80	4/16/75	-	-	-	D
283	35 54 13	84 19 34	N16729 E23989	18	1954	6 5/8	S	Prf	0-18	784.94	0.55	4/16/75	-	-	-	D
284	35 54 13	84 19 34	N16750 E23983	17	1954	6 5/8	S	Prf	0-17	785.67	2.62	4/16/75	1975-79	7.16	14.76	A
285	35 54 13	84 19 34	N16761 E23962	14	1954	6 5/8	S	Prf	0-14	786.01	1.00	4/16/75	-	-	-	D
286	35 54 13	84 19 35	N16767 E23945	13	1954	6 5/8	S	Prf	0-13	785.35	1.05	4/16/75	-	-	-	D
287	35 54 13	84 19 35	N16765 E23927	15	1954	6 5/8	S	Prf	0-15	784.92	1.30	4/16/75	-	-	-	D
288	35 54 13	84 19 35	N16752 E23914	14	1954	6 5/8	S	Prf	0-14	784.49	1.40	4/16/75	-	-	-	D
289	35 54 13	84 19 35	N16765 E23896	16	1954	6 5/8	S	Prf	0-16	785.25	1.30	4/16/75	-	-	-	D
290	35 54 12	84 19 35	N16735 E23907	17	1954	6 5/8	S	Prf	0-17	783.67	1.38	4/16/75	-	-	-	D
291	35 54 12	84 19 35	N16738 E23878	15	1954	6 5/8	S	Prf	0-15	784.32	2.05	4/16/75	-	-	-	D
292	35 54 12	84 19 36	N16773 E23821	13	1954	6 5/8	S	Prf	0-13	783.81	1.10	4/16/75	1975-76	6.19	8.54	D
293	35 54 12	84 19 35	N16718 E23910	18	1954	6 5/8	S	Prf	0-18	783.30	0.30	4/16/75	-	-	-	D
294	35 54 12	84 19 35	N16722 E23921	18	1954	6 5/8	S	Prf	0-18	784.40	1.05	4/16/75	-	-	-	D
295	35 54 13	84 19 34	N16703 E23992	15	1954	6 5/8	S	Prf	0-12	782.90	1.67	4/16/75	1975-79	4.43	12.59	D
296	35 54 15	84 19 36	N16967 E23958	19	1954	6 5/8	S	Prf	0-19	784.20	0.80	4/16/75	-	-	-	A

Table 1.--Records of observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (cont'd.)

Well number	Location		Depth of well (ft)	Year completed	Casing		Finish		Altitude of land surface (ft above NGVD)	Measuring Point				Depth to Water below land surface		Status of well 12/79
										Distance above land surface (ft)	Date determined (m/d/yr)	Period of record (yrs)	Minimum (ft)			
	Latitude (deg., m, s)	Longitude (deg., m, s)	ORNL Grid (ft) (ft)	Diameter (in)	Type	Character	Depth interval (ft)									
298	35 54 12	84 19 35	N16716 E23899	17	1954	6 5/8	S	Prf	0-17	781.68	0.75	4/16/75	-	-	-	D
299	35 54 12	84 19 35	N16705 E23883	18	1954	6 5/8	S	Prf	0-18	781.87	0.75	4/16/75	-	-	-	D
300	35 54 12	84 19 35	N16702 E23868	15	1954	6 5/8	S	Prf	0-15	781.06	1.70	4/16/75	-	-	-	D
301	35 54 12	84 19 35	N16687 E23847	10	1954	6 5/8	S	Prf	0-10	778.11	1.90	4/16/75	-	-	-	C
302	35 54 11	84 19 36	N16679 E23734	7	1964	6 5/8	S	Prf	0-7	779.00	2.10	4/16/75	1975-76	5.26	6.22	D
303	35 54 11	84 19 36	N16689 E23782	3	1964	6 5/8	S	Prf	0-3	773.54	2.07	4/16/75	1975-79	+0.17	DRY	A
304	35 54 12	84 19 34	N16667 E23937	16	1954	6 5/8	S	Prf	0-16	781.87	2.04	4/16/75	-	-	-	D
305	35 54 12	84 19 34	N16660 E23914	14	1954	6 5/8	S	Prf	0-14	781.41	2.35	4/16/75	-	-	-	A
306	35 54 12	84 19 34	N16679 E23905	17	1954	6 5/8	S	Prf	0-17	781.21	1.65	4/16/75	-	-	-	D
307	35 54 12	84 19 35	N16694 E23897	16	1954	6 5/8	S	Prf	0-16	781.20	2.20	4/16/75	-	-	-	D
308	35 54 12	84 19 35	N16691 E23873	13	1954	6 5/8	S	Prf	0-13	780.28	2.00	4/16/75	-	-	-	D
309	35 54 12	84 19 35	N16716 E23903	26	1954	3	S	(?)	(?)	782.18	0.55	4/16/75	-	-	-	D
310	35 54 12	84 19 34	N16697 E23939	12	1954	6 5/8	S	Prf	0-12	783.24	0.75	4/16/75	-	-	-	A
311	35 54 14	84 19 36	N16936 E23900	19	1964	6 5/8	S	Prf	0-19	799.17	2.22	4/16/75	1975-78	8.38	DRY	D
312	35 54 12	84 19 40	N16922 E23529	19	1964	6 5/8	S	Prf	0-19	814.23	0.30	4/16/75	1975-78	16.73	DRY	C
313	34 54 11	84 19 38	N16798 E23605	20	1964	6 5/8	S	Prf	0-20	801.42	1.36	4/16/75	1975-79	16.00	18.82	A
315b	35 54 08	84 19 27	N15977 E24188	27	1964	6 5/8	S	Prf	0-27	776.09	1.32	4/16/75	1975-79	14.63	DRY	A
317	35 54 15	84 19 31	N16766 E24328	14	1964	6 5/8	S	Prf	0-14	792.32	2.43	4/16/75	1975-79	4.21	12.97	A
318b	35 54 19	84 19 34	N17225 E24323	15	1964	6 5/8	S	Prf	0-15	799.34	0.72	12/11/75	1975-79	8.51	DRY	A
337	35 54 27	84 19 29	N17717 E25096	10	1964	6 5/8	S	Prf	0-10	841.47	4.15	4/16/75	1975-79	DRY	DRY	D
338	35 54 24	84 19 26	N17305 E25158	17	1964	6 5/8	S	Prf	0-17	818.90	2.22	4/16/75	1975-79	DRY	DRY	D
341	35 54 20	84 19 23	N16837 E25165	20	1964	6 5/8	S	Prf	0-20	783.72	0.00	4/16/75	1975-79	16.85	DRY	D
342	35 54 18	84 19 21	N16562 E25154	15	1964	6 5/8	S	Prf	0-15	770.29	0.67	4/16/75	1975-78	11.74	DRY	D
343b	35 54 19	84 19 24	N16763 E25010	24	1964	6 5/8	S	Prf	0-24	788.92	0.88	4/16/75	1975-79	12.83	DRY	A
344	35 54 15	84 19 24	N16495 E24810	9	1964	6 5/8	S	Prf	0-9	767.83	0.50	4/16/75	1975-79	1.88	8.70	B
345	35 54 15	84 19 22	N16361 E24881	11	1964	6 5/8	S	Prf	0-11	756.59	0.67	4/16/75	1975-79	2.84	8.47	B
346	35 54 14	84 19 25	N16435 E24631	17	1964	6 5/8	S	Prf	0-17	772.17	0.92	4/16/75	1975-79	3.31	13.29	A
347	35 54 15	84 19 26	N16531 E24604	16	1964	6 5/8	S	Prf	0-16	776.49	1.07	4/16/75	1975-79	2.64	12.77	D
350b	35 54 12	84 19 23	N16152 E24649	17	1964	6 5/8	S	Prf	0-17	789.08	0.88	4/16/75	1975-79	8.26	DRY	A
351b	35 54 11	84 19 22	N16028 E24661	24	1964	6 5/8	S	Prf	0-24	777.63	1.19	4/16/75	1975-79	10.23	DRY	A
352	35 54 08	84 19 25	N15887 E24305	21	1964	6 5/8	S	Prf	0-21	772.14	0.82	4/16/75	1975-77	13.28	DRY	D
355b	35 54 20	84 19 25	N16909 E24991	19	1964	6 5/8	S	Prf	0-19	797.38	0.95	4/16/75	1975-79	8.84	DRY	B
356	35 54 13	84 19 28	N16481 E24451	9	1964	6 5/8	S	Prf	0-9	772.02	0.73	4/16/75	1975-79	1.11	8.10	A
357	35 54 16	84 19 28	N16747 E24599	13	1964	6 5/8	S	Prf	0-13	787.54	-0.01	4/16/75	1975-79	4.29	DRY	D
358	35 54 10	84 19 25	N16090 E24448	18	1964	6 5/8	S	Prf	0-18	794.07	1.32	4/16/75	1975-79	17.23	DRY	B

Table 1.--Records of observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (cont'd.)

Well number (1)	Location			Depth of well (ft)	Casing		Finish		Altitude of land surface (ft above NGVD)	Measuring Point			Depth to Water below land surface		Status of well 12/79
	Latitude (deg., m, s)	Longitude (deg., m, s)	ORNL Grid (ft) (ft)		Diameter (in)	Type	Character	Depth interval (ft)		Distance above land surface (ft)	Date determined (m/d/yr)	Period of record (yrs)	Minimum (ft)	Maximum (ft)	
359	35 54 19	84 19 26	N16904 E24867	19	6 5/8	S	Prf	0-19	785.90	0.88	4/16/75	1975-79	5.00	11.78	A
360	35 54 22	84 19 27	N17148 E24968	18	6 5/8	S	Prf	0-18	804.20	1.50	4/16/75	1975-79	DRY	DRY	C
361	35 54 11	84 19 30	N16446 E24166	8	6 5/8	S	Prf	0-8	769.70	2.13	4/16/75	1975-79	1.51	DRY	A
362	35 54 10	84 19 36	N16588 E23718	8	6 5/8	S	Prf	0-8	775.54	2.74	4/16/75	1975-79	5.16	6.96	A
363	35 54 09	84 19 34	N16420 E23748	4	6 5/8	S	Prf	0-4	763.97	2.61	4/16/75	1975-79	0.13	3.43	A
364	35 54 09	84 19 33	N16407 E23838	8	6 5/8	S	Prf	0-8	767.73	1.88	4/16/75	1975-79	0.20	DRY	A
365	35 54 09	84 19 35	N16454 E23681	6	6 5/8	S	Prf	0-6	767.72	2.15	4/16/75	1975-79	0.98	4.39	A
366	35 54 24	84 19 29	N17467 E24926	23	6 5/8	S	Prf	0-23	837.15	3.26	7/18/79	1975-79	22.20	DRY	A
367	35 54 27	84 19 30	N17723 E25091	69	3	P	Slt	59-69	841.70	2.50	4/12/77	1977-79	47.33	53.83	A
368	35 54 24	84 19 26	N17348 E25155	39	3	P	Slt	29-39	819.50	0.00	4/12/77	1977-79	22.88	25.86	A
369	35 54 23	84 19 31	N17476 E24805	48	3	P	Slt	38-48	838.24	2.76	4/12/77	1977-79	33.64	37.34	A
370	35 54 22	84 19 27	N17145 E24981	34	3	P	Slt	24-34	806.96	3.74	4/12/77	1977-79	19.09	22.69	A
371	35 54 16	84 19 21	N16393 E25090	30	3	P	Slt	20-30	765.40	2.70	4/12/77	1977-79	16.50	19.48	A
372	35 54 17	84 19 22	N16570 E25042	33	3	P	Slt	23-33	773.99	2.41	4/26/77	1977-79	11.14	16.78	B
373	35 54 21	84 19 23	N16945 E25208	34	3	P	Slt	24-34	784.05	1.45	5/12/77	1977-79	17.99	26.43	A
374	35 54 26	84 19 25	N17462 E25346	31	3	P	Slt	21-31	781.28	2.22	5/12/77	1977-79	13.08	20.99	A
375	35 54 12	84 19 40	N16935 E23531	26	3	P	Slt	16-26	813.63	2.57	5/12/77	1977-79	16.88	21.53	B
376	35 54 09	84 19 38	N16584 E23479	35	3	P	Slt	25-35	806.46	3.04	5/12/77	1977-79	18.10	22.61	A
377	35 54 08	84 19 40	N16610 E23297	56	3	P	Slt	46-56	836.82	2.98	5/12/77	1977-79	36.29	43.70	A
378	35 54 06	84 19 41	N16474 E23092	60	3	P	Slt	50-60	842.15	2.95	1/03/78	1977-79	45.53	59.07	A
379	35 54 04	84 19 38	N16156 E23206	37	3	P	Slt	27-37	792.13	0.77	1/03/78	1977-79	16.77	27.63	A
380	35 54 03	84 19 36	N15977 E23320	31	3	P	Slt	21-31	772.55	2.25	5/12/77	1977-79	4.08	17.05	A
381	35 54 10	84 19 28	N16248 E24266	35	3	P	Slt	25-35	777.59	2.51	5/12/77	1977-79	12.82	24.19	A
382	35 54 05	84 19 27	N15814 E24025	21	3	P	Slt	11-21	763.34	2.36	6/09/77	1977-79	10.94	17.14	A
383	35 54 13	84 19 21	N16165 E24895	33	3	P	Slt	23-33	769.38	2.12	6/09/77	1977-79	20.46	23.66	A
384	35 54 10	84 19 26	N16131 E24377	46	3	P	Slt	36-46	791.77	2.03	6/09/77	1977-79	31.63	40.12	A
385	35 54 26	84 19 35	N17903 E24669	45	3	P	Slt	35-45	841.27	2.53	5/12/77	1977-79	19.21	27.84	A
386	35 54 19	84 19 27	N16892 E24828	12	3	P	Slt	(?)	779.19	2.85	8/16/78	1978-79	0.05	4.43	A
387	35 54 20	84 19 27	N16986 E24886	11	3	P	Slt	(?)	786.35	3.45	8/16/78	1978-79	2.08	6.79	A
388	35 54 21	84 19 27	N17111 E24886	12	3	P	Slt	(?)	788.61	3.70	8/16/78	1978-79	0.09	4.22	A
TR-1	35 54 09	84 19 25	N16002 E24375	47	4	P	Slt	22-47	784.25	0.00	7/18/79	1977-79	32.21	38.85	B
TR-2	35 54 09	84 19 23	N15872 E24541	20	4	P	Slt	12-20	764.65	1.35	5/23/78	1977-79	13.08	18.41	A
TR-3	35 54 07	84 19 24	N15762 E24331	23	4	P	Slt	13-23	760.25	2.85	3/08/77	1977-79	10.26	14.48	A
TR-12	35 54 08	84 19 25	N15946 E24377	34	4	P	Slt	24-34	779.60	2.00	3/08/77	1978-79	27.13	34.59	A

Casing was sheared off at land surface at time of initial inventory. A section of 5-inch I. D. casing was welded to the stub in January 1976 to extend the casing above land surface.

Well deepened during May-June 1977. Reported depth of well reflects this change.

PART 2. -- WATER-LEVEL DATA

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee.
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement												06/11/76
	04/16/75	10/31/75	12/08/75	01/12/76	01/28/76	02/26/76	03/18/76	04/03/76	04/22/76	05/05/76	05/26/76		
107	21.25	23.15	23.10	21.36	20.65	20.62	21.07	20.87	21.57	-	22.06	22.05	
108	-	31.53	31.63	30.90	30.15	30.50	30.58	30.24	30.49	31.70	30.88	30.90	
109	23.47	24.76	24.80	23.97	22.98	23.67	23.90	23.47	24.19	24.92	24.25	24.29	
110	31.05	31.61	31.60	31.58	31.33	31.44	31.56	31.52	31.59	31.60	31.59	31.59	
266	8.70	13.71	13.77	4.34	1.64	5.09	7.64	4.43	11.55	14.10	12.52	12.12	
267	15.79	DRY	DRY	13.62	4.32	13.11	16.14	10.64	DRY	DRY	DRY	DRY	
268	15.15	16.97	16.45	9.83	2.69	9.48	12.55	5.84	17.67	19.10	16.66	16.55	
269	DRY	DRY	19.46	18.70	14.11	18.81	19.70	17.31	DRY	DRY	DRY	DRY	
270	DRY	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
271	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
272	4.40	5.23	5.05	2.98	0.13	3.36	4.05	2.69	5.32	5.67	5.46	5.66	
273	3.61	3.62	3.63	3.62	3.48	3.60	3.62	3.44	3.62	3.62	3.62	3.63	
274	11.43	17.94	18.17	14.86	11.25	13.28	13.80	12.68	14.40	15.30	15.76	16.00	
275	5.64	6.02	5.53	4.89	4.41	4.92	5.31	4.87	6.08	6.24	6.18	6.30	
276	2.22	2.44	2.13	0.33	0.31	1.30	1.60	1.23	2.73	3.06	2.45	2.65	
277	16.99	17.81	17.28	14.92	9.80	15.53	16.60	14.73	17.96	18.73	17.70	17.80	
278	7.93	7.83	7.53	5.80	4.31	6.31	6.98	6.16	8.29	8.80	8.16	8.26	
279	7.31	7.15	6.40	5.88	4.53	5.90	5.61	5.76	-	7.48	7.37	7.14	
284	13.28	13.50	13.05	12.48	7.75	12.42	13.05	11.45	13.47	13.60	13.41	13.62	
292	7.87	-	8.16	7.44	6.19	7.86	8.04	7.47	8.21	8.40	8.54	-	
295	10.40	10.66	10.21	9.71	7.09	9.76	10.23	9.49	10.73	10.92	10.78	11.01	
302	5.50	5.61	5.53	5.36	5.26	5.52	5.60	5.41	5.55	5.67	5.98	6.22	
303	0.23	0.66	0.49	0.23	0.08	0.44	0.37	0.10	0.32	0.48	0.87	1.23	
311	15.61	18.22	17.67	15.01	8.38	13.90	15.95	12.71	17.11	17.39	17.24	17.71	
312	16.73	DRY	DRY	DRY	18.30	18.88	19.04	18.32	18.87	18.92	19.08	19.15	
313	16.00	18.48	18.26	17.66	17.20	17.07	17.08	16.82	17.06	17.34	17.65	17.78	
315	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
317	9.77	10.09	9.62	7.29	5.74	7.67	8.64	7.32	9.33	9.67	9.12	8.62	
318	-	-	-	11.29	8.51	10.81	11.49	10.54	12.99	DRY	12.20	12.78	
337	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
338	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
341	DRY	DRY	DRY	DRY	18.44	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
342	DRY	DRY	DRY	DRY	13.23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
343	18.58	DRY	DRY	18.32	12.83	18.16	19.55	17.66	20.21	DRY	DRY	DRY	
344	6.58	5.69	5.16	4.16	1.88	8.67	5.30	3.77	6.80	7.34	6.31	6.52	
345	5.95	5.95	5.29	4.18	2.91	4.90	5.25	4.26	6.25	6.57	6.13	6.24	
346	10.30	9.59	8.41	6.66	5.61	7.87	8.23	7.28	10.80	11.55	10.16	10.68	
347	8.78	8.39	7.09	3.38	2.92	5.06	6.01	4.45	9.76	11.36	8.22	8.88	
350	12.00	11.43	DRY	10.03	8.60	10.22	11.06	9.43	DRY	DRY	10.77	10.84	

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement											
	04/16/75	10/31/75	12/08/75	01/12/76	01/28/76	02/26/76	03/18/76	04/03/76	04/22/76	05/05/76	05/26/76	06/11/76
351	DRY	19.57	DRY	18.61	10.23	17.70	19.69	15.02	DRY	DRY	20.10	19.07
352	DRY	DRY	DRY	DRY	13.28	DRY	DRY	20.77	DRY	DRY	DRY	DRY
355	15.75	DRY	DRY	14.94	8.87	14.42	16.85	14.04	18.15	DRY	DRY	DRY
356	4.73	3.90	3.87	2.31	1.55	2.63	3.17	2.29	5.71	6.06	4.58	5.02
357	11.00	10.87	11.44	8.92	5.15	8.79	9.69	7.10	11.69	12.12	10.35	10.78
358	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
359	7.56	10.26	9.98	7.58	5.75	7.52	8.13	7.36	9.03	9.58	9.70	9.60
360	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
361	5.77	5.53	4.55	3.20	2.49	3.71	4.69	3.43	6.53	6.81	5.86	5.98
362	5.68	5.62	5.54	5.58	5.50	5.60	5.61	5.59	5.67	5.66	5.72	5.82
363	1.32	1.59	1.47	1.32	1.08	1.42	1.49	1.33	1.37	1.44	1.61	1.90
364	5.15	5.93	1.66	1.34	0.79	2.24	2.71	2.03	5.70	6.08	5.69	5.96
365	2.06	2.55	2.13	1.65	1.72	2.09	2.27	1.92	2.41	2.61	3.01	3.26
366	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
367	-	-	-	-	-	-	-	-	-	-	-	-
368	-	-	-	-	-	-	-	-	-	-	-	-
369	-	-	-	-	-	-	-	-	-	-	-	-
370	-	-	-	-	-	-	-	-	-	-	-	-
371	-	-	-	-	-	-	-	-	-	-	-	-
372	-	-	-	-	-	-	-	-	-	-	-	-
373	-	-	-	-	-	-	-	-	-	-	-	-
374	-	-	-	-	-	-	-	-	-	-	-	-
375	-	-	-	-	-	-	-	-	-	-	-	-
376	-	-	-	-	-	-	-	-	-	-	-	-
377	-	-	-	-	-	-	-	-	-	-	-	-
378	-	-	-	-	-	-	-	-	-	-	-	-
379	-	-	-	-	-	-	-	-	-	-	-	-
380	-	-	-	-	-	-	-	-	-	-	-	-
381	-	-	-	-	-	-	-	-	-	-	-	-
382	-	-	-	-	-	-	-	-	-	-	-	-
383	-	-	-	-	-	-	-	-	-	-	-	-
384	-	-	-	-	-	-	-	-	-	-	-	-
385	-	-	-	-	-	-	-	-	-	-	-	-
386	-	-	-	-	-	-	-	-	-	-	-	-
387	-	-	-	-	-	-	-	-	-	-	-	-
388	-	-	-	-	-	-	-	-	-	-	-	-
TR-1	-	-	-	-	-	-	-	-	-	-	-	-
TR-2	-	-	-	-	-	-	-	-	-	-	-	-
TR-3	-	-	-	-	-	-	-	-	-	-	-	-
TR-12	-	-	-	-	-	-	-	-	-	-	-	-

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement												
	06/28/76	07/13/76	08/04/76	08/23/76	09/17/76	11/02/76	11/17/76	11/22/76	12/02/76	12/17/76	01/05/77	01/27/77	
1107	22.41	21.95	22.58	23.02	23.61	23.12	-	23.38	23.29	22.35	21.95	21.70	
1108	30.90	30.84	31.32	31.57	31.83	31.34	31.86	-	31.50	30.95	31.04	30.97	
1109	24.42	24.15	24.67	24.95	25.22	24.43	25.14	-	24.43	23.92	24.22	24.11	
1110	31.59	31.61	31.61	31.62	31.62	31.63	31.64	-	31.63	31.60	31.56	31.60	
1266	13.71	11.34	14.37	15.40	-	-	-	-	-	-	-	-	
267	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	14.34	10.71	14.09	DRY	
268	19.83	15.54	19.83	DRY	DRY	10.21	18.28	-	7.17	7.27	13.13	17.13	
269	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	19.86	18.88	DRY	DRY	
270	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
271	-	-	-	-	-	-	-	-	-	-	-	-	
272	6.13	5.53	6.83	8.06	8.42	3.20	6.13	6.29	3.13	2.50	3.87	4.78	
273	3.63	3.63	4.69	6.37	6.80	3.31	3.61	-	3.60	3.60	3.60	3.61	
274	16.95	16.53	17.74	18.49	DRY	18.12	DRY	-	18.15	15.71	16.39	16.58	
275	6.42	6.06	7.15	7.93	8.07	5.67	6.28	-	5.42	4.98	5.14	5.46	
276	3.06	2.30	3.66	4.49	4.62	1.21	2.72	-	1.13	0.62	0.42	1.42	
277	18.22	17.31	18.97	20.06	20.42	16.01	18.73	18.98	15.54	13.98	15.91	17.24	
278	8.66	7.51	9.70	10.49	DRY	7.07	8.71	8.41	6.58	5.91	6.48	7.22	
279	7.04	6.80	7.00	7.13	7.21	5.93	7.08	-	5.67	4.76	5.94	6.51	
284	13.46	13.25	14.23	14.76	14.24	12.28	13.55	-	12.28	11.97	12.70	12.95	
292	-	-	-	-	-	-	-	-	-	-	-	-	
295	10.91	10.63	11.99	12.59	11.97	9.83	10.97	-	9.74	9.47	9.52	10.14	
302	-	-	-	-	-	-	-	-	-	-	-	-	
303	0.88	0.77	2.08	DRY	1.61	0.52	0.73	-	0.41	0.43	0.30	0.31	
311	18.06	18.01	18.32	18.68	DRY	18.19	18.66	-	17.78	15.35	17.46	17.85	
312	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
313	17.97	17.93	18.27	18.60	18.75	18.09	18.31	-	18.09	17.84	17.76	17.66	
315	DRY	DRY	DRY	DRY	-	DRY	DRY	-	DRY	DRY	DRY	DRY	
317	8.69	8.17	8.76	9.87	10.73	8.52	9.91	-	8.15	6.76	8.30	8.89	
318	12.50	12.25	14.12	DRY	DRY	10.81	13.63	-	10.63	10.45	11.21	12.23	
337	DRY	DRY	-	-	-	-	-	-	-	-	-	-	
338	DRY	DRY	-	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
341	DRY	DRY	-	-	-	DRY	DRY	-	DRY	DRY	DRY	DRY	
342	DRY	DRY	-	DRY	-	14.95	DRY	-	15.07	15.01	DRY	DRY	
343	DRY	DRY	DRY	DRY	-	20.46	DRY	-	20.05	17.03	18.47	19.40	
344	6.91	5.90	7.83	8.70	8.67	4.86	6.61	6.76	4.51	3.67	4.79	5.89	
345	6.28	5.98	7.13	8.16	8.47	4.56	6.38	6.41	4.36	4.19	4.84	5.48	
346	10.72	10.12	11.88	12.77	13.29	6.69	10.71	10.91	7.26	6.72	7.65	9.16	
347	8.91	7.83	11.11	12.44	12.77	5.26	9.96	10.55	5.45	4.39	5.62	7.39	
350	11.95	11.73	DRY	DRY	DRY	12.27	DRY	-	12.16	10.50	10.89	11.03	

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement												
	06/28/76	07/13/76	08/04/76	08/23/76	09/17/76	11/02/76	11/17/76	11/22/76	12/02/76	12/17/76	01/05/77	01/27/77	
351	DRY	20.16	DRY	DRY	DRY	DRY	DRY	-	19.53	16.04	19.69	19.89	
352	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
355	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	16.70	17.69	DRY	
356	5.27	4.21	6.38	7.63	8.10	2.45	5.54	-	2.33	1.84	2.31	3.39	
357	10.57	10.07	11.96	12.68	12.87	8.09	11.75	-	7.17	7.14	8.98	10.14	
358	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
359	9.88	9.27	10.67	11.38	11.78	10.22	11.07	-	10.15	8.85	8.81	9.00	
360	DRY	DRY	-	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
361	6.37	5.34	7.00	7.77	DRY	3.94	6.61	-	3.92	3.11	3.74	4.81	
362	5.82	5.62	6.28	6.96	6.27	5.66	5.87	-	5.60	5.64	5.60	5.46	
363	1.56	1.52	2.81	3.43	2.37	1.30	1.45	-	1.36	1.33	-	1.32	
364	6.04	5.33	7.07	DRY	DRY	1.33	5.90	-	1.62	1.15	1.54	4.05	
365	2.79	2.74	3.82	4.39	3.58	2.11	2.80	-	2.10	1.98	2.05	2.24	
366	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	
367	-	-	-	-	-	-	-	-	-	-	-	-	
368	-	-	-	-	-	-	-	-	-	-	-	-	
369	-	-	-	-	-	-	-	-	-	-	-	-	
370	-	-	-	-	-	-	-	-	-	-	-	-	
371	-	-	-	-	-	-	-	-	-	-	-	-	
372	-	-	-	-	-	-	-	-	-	-	-	-	
373	-	-	-	-	-	-	-	-	-	-	-	-	
374	-	-	-	-	-	-	-	-	-	-	-	-	
375	-	-	-	-	-	-	-	-	-	-	-	-	
376	-	-	-	-	-	-	-	-	-	-	-	-	
377	-	-	-	-	-	-	-	-	-	-	-	-	
378	-	-	-	-	-	-	-	-	-	-	-	-	
379	-	-	-	-	-	-	-	-	-	-	-	-	
380	-	-	-	-	-	-	-	-	-	-	-	-	
381	-	-	-	-	-	-	-	-	-	-	-	-	
382	-	-	-	-	-	-	-	-	-	-	-	-	
383	-	-	-	-	-	-	-	-	-	-	-	-	
384	-	-	-	-	-	-	-	-	-	-	-	-	
385	-	-	-	-	-	-	-	-	-	-	-	-	
386	-	-	-	-	-	-	-	-	-	-	-	-	
387	-	-	-	-	-	-	-	-	-	-	-	-	
388	-	-	-	-	-	-	-	-	-	-	-	-	
TR-1	-	-	-	-	-	-	-	-	-	-	-	-	
TR-2	-	-	-	-	-	-	-	-	-	-	-	-	
TR-3	-	-	-	-	-	-	-	-	-	-	-	-	
TR-12	-	-	-	-	-	-	-	-	-	-	-	-	

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement												07/18/77
	02/14/77	02/28/77	03/15/77	03/28/77	04/12/77	04/26/77	05/12/77	05/24/77	06/08/77	06/21/77	07/07/77		
107	22.32	22.52	21.44	21.53	20.66	21.16	21.55	21.94	22.42	22.81	22.87	23.19	
108	31.16	30.72	30.39	30.78	30.13	30.37	30.43	30.51	30.88	30.99	31.03	31.29	
109	24.36	23.46	23.41	24.05	23.49	23.81	23.84	23.83	24.26	24.35	24.31	24.61	
110	31.61	31.61	31.59	31.58	30.97	31.49	31.59	31.59	31.60	31.61	31.61	31.61	
266	-	-	-	-	-	-	-	-	-	-	-	-	
267	DRY	4.77	7.88	DRY	15.03	DRY	DRY	DRY	DRY	DRY	DRY	-	
268	19.44	5.29	3.20	14.47	10.63	17.76	13.71	17.89	19.90	DRY	DRY	-	
269	DRY	17.43	15.47	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	
270	DRY	DRY	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	
271	-	-	-	-	-	-	-	-	-	-	-	-	
272	4.81	0.41	0.70	4.48	4.01	5.26	4.46	2.92	6.03	5.95	5.93	7.02	
273	3.61	2.86	3.60	3.61	3.61	3.61	3.60	3.61	3.62	3.61	3.38	4.45	
274	17.23	12.08	13.04	15.28	13.77	14.73	15.14	14.88	16.82	17.52	17.80	18.23	
275	5.35	4.83	4.65	5.32	5.37	5.80	5.66	5.43	6.36	6.24	6.14	6.95	
276	1.53	0.30	0.78	1.97	1.87	2.62	-	-	2.75	2.98	2.20	3.18	
277	16.92	10.78	11.92	16.69	15.55	17.47	16.82	16.91	18.60	19.19	18.08	19.19	
278	7.40	5.04	5.74	7.28	6.89	8.03	7.30	7.04	8.93	9.00	8.09	9.43	
279	6.58	3.98	5.15	6.72	6.51	7.21	6.88	4.35	7.22	6.98	6.89	7.26	
284	11.88	9.65	10.48	12.81	12.12	12.50	12.50	12.10	13.41	13.13	12.88	13.66	
292	-	-	-	-	-	-	-	-	-	-	-	-	
295	10.18	7.92	8.55	10.15	9.73	10.22	10.03	8.90	11.07	10.47	10.34	11.46	
302	-	-	-	-	-	-	-	-	-	-	-	-	
303	0.33	0.15	0.28	0.43	0.40	0.51	0.40	+0.09	0.95	0.41	0.72	1.61	
311	18.05	13.92	14.34	17.40	16.23	16.63	16.65	17.02	17.30	17.45	17.30	-	
312	DRY	DRY	DRY	DRY	18.45	18.61	18.92	19.20	DRY	DRY	DRY	-	
313	17.74	17.60	17.30	17.34	16.95	-	17.29	17.39	17.69	18.82	17.83	18.12	
315	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	
317	9.51	7.84	6.98	9.22	8.49	9.58	9.73	10.38	11.25	11.71	11.20	12.01	
318	12.99	9.53	9.78	12.05	10.81	11.95	11.15	13.03	13.68	14.06	13.30	14.43	
337	-	-	-	-	-	-	-	-	-	-	-	-	
338	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	
341	-	18.49	18.70	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	
342	DRY	13.27	15.07	DRY	DRY	DRY	DRY	13.32	DRY	DRY	DRY	-	
343	20.41	19.02	17.05	19.78	17.84	19.97	20.52	21.07	21.72	22.13	21.69	-	
344	6.37	2.69	3.00	5.80	5.05	6.26	5.44	4.92	6.88	7.13	6.10	7.25	
345	5.49	3.18	3.46	5.37	5.22	5.63	5.12	4.88	6.15	6.10	5.78	6.53	
346	9.15	5.91	6.95	9.18	8.91	10.34	9.07	8.18	11.17	11.40	10.38	11.49	
347	7.63	4.25	3.67	7.56	6.28	9.34	6.93	4.52	9.58	10.13	7.93	9.92	
350	12.17	10.45	8.71	10.74	-	-	-	-	-	-	-	-	

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement											
	02/14/77	02/28/77	03/15/77	03/28/77	04/12/77	04/26/77	05/12/77	05/24/77	06/08/77	06/21/77	07/07/77	07/18/77
351	DRY	18.24	11.37	19.11	18.74	DRY	-	-	-	-	-	-
352	DRY	20.18	15.44	DRY	18.33	DRY	DRY	DRY	DRY	-	-	-
355	DRY	13.66	13.10	17.50	14.05	17.30	17.38	18.05	DRY	DRY	DRY	-
356	3.91	1.61	1.77	3.55	2.77	4.92	3.09	2.51	5.86	6.14	4.73	6.35
357	11.71	5.94	5.60	10.25	9.14	11.36	9.39	10.73	11.97	11.66	10.38	-
358	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-
359	9.40	7.82	6.90	8.15	7.07	8.11	8.35	7.93	10.04	10.05	9.70	10.62
360	-	DRY	DRY	DRY	-	-	-	-	-	-	-	-
361	5.27	2.52	2.86	4.88	4.43	6.00	4.91	4.05	6.83	7.00	5.95	6.97
362	5.59	5.50	5.52	5.62	5.62	5.57	5.57	5.41	5.66	5.54	5.56	5.93
363	1.39	1.02	1.09	1.38	1.32	1.26	1.32	0.44	1.49	1.10	1.44	2.15
364	3.10	0.74	1.33	3.66	2.96	5.32	2.28	0.53	5.39	5.23	4.83	6.09
365	1.74	1.77	1.87	2.44	2.38	2.49	2.31	1.86	3.01	2.24	2.78	3.41
366	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-
367	-	-	-	-	48.32	50.61	51.70	52.12	52.55	52.87	52.86	53.11
368	-	-	-	-	23.30	24.65	24.70	24.86	25.20	25.26	24.77	25.18
369	-	-	-	-	34.32	35.06	35.21	35.69	36.07	36.42	36.29	36.54
370	-	-	-	-	20.71	20.67	20.80	21.06	21.40	21.73	21.76	21.99
371	-	-	-	-	18.84	19.29	19.13	19.06	19.42	19.17	19.27	19.43
372	-	-	-	-	-	15.73	15.52	15.41	16.16	16.16	15.51	16.34
373	-	-	-	-	-	-	20.69	21.92	23.54	24.78	25.28	25.60
374	-	-	-	-	-	-	18.41	19.29	19.77	20.11	19.59	20.99
375	-	-	-	-	-	-	19.08	-	19.74	20.03	20.13	20.40
376	-	-	-	-	-	-	21.83	21.52	21.45	21.49	21.52	21.72
377	-	-	-	-	-	-	40.97	-	40.59	40.80	40.99	41.27
378	-	-	-	-	-	-	-	52.71	-	53.61	54.30	54.86
379	-	-	-	-	-	-	-	22.37	23.30	24.15	24.50	25.14
380	-	-	-	-	-	-	10.45	11.63	13.21	13.78	13.72	14.56
381	-	-	-	-	-	-	20.03	20.37	22.13	22.91	21.61	22.92
382	-	-	-	-	-	-	-	15.59	16.22	16.54	15.87	16.54
383	-	-	-	-	-	-	-	23.05	23.59	23.36	23.45	23.62
384	-	-	-	-	-	-	-	37.96	38.60	39.12	38.40	39.19
385	-	-	-	-	-	-	23.32	24.44	25.67	26.35	24.82	26.00
386	-	-	-	-	-	-	-	-	-	-	-	-
387	-	-	-	-	-	-	-	-	-	-	-	-
388	-	-	-	-	-	-	-	-	-	-	-	-
TR-1	-	-	-	-	-	-	-	38.17	38.47	38.57	38.29	38.60
TR-2	-	-	-	-	-	-	-	17.21	17.64	17.88	17.45	17.85
TR-3	-	-	-	-	-	-	-	13.59	13.95	13.99	13.75	-
TR-12	-	-	-	-	-	-	-	-	-	-	-	-

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	08/04/77	08/16/77	08/31/77	09/15/77	09/22/77	10/04/77	10/20/77	11/17/77	11/18/77	12/06/77	12/20/77	01/05/78		
107	23.65	23.87	24.06	24.12	23.49	23.06	22.71	22.11	-	20.09	20.27	20.46		
108	31.51	31.61	31.82	31.57	31.20	31.23	31.23	30.31	-	29.04	29.46	29.55		
109	24.84	24.87	25.08	24.47	24.24	24.68	24.45	22.57	-	21.95	22.81	23.00		
110	31.64	31.68	31.73	31.77	31.61	31.62	31.60	31.55	-	31.01	31.10	31.20		
266	-	-	-	-	-	-	-	-	-	-	-	-		
267	DRY	DRY	DRY	DRY	DRY	DRY	DRY	7.42	-	3.05	16.20	16.84		
268	DRY	DRY	DRY	-	DRY	DRY	DRY	8.22	-	3.98	14.13	13.48		
269	DRY	DRY	DRY	DRY	DRY	DRY	DRY	17.65	-	16.01	DRY	DRY		
270	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY		
271	-	-	-	-	-	-	-	-	-	-	-	-		
272	7.74	-	7.88	-	4.47	5.19	5.60	0.43	-	0.54	3.69	4.10		
273	5.62	5.88	6.18	2.86	3.42	3.48	3.58	3.57	-	3.60	3.60	3.60		
274	DRY	DRY	DRY	DRY	DRY	DRY	DRY	12.70	-	11.38	14.30	14.03		
275	7.33	6.94	7.10	5.98	5.58	5.73	5.95	5.17	-	4.76	4.97	5.08		
276	3.81	3.63	3.35	0.37	1.23	1.79	2.17	0.33	-	0.52	0.81	1.30		
277	19.88	20.14	20.18	19.04	15.98	16.88	17.31	11.08	-	9.91	15.52	16.44		
278	9.98	9.69	10.01	7.74	6.54	6.90	7.52	3.86	-	4.59	6.27	6.82		
279	7.45	7.22	7.34	4.27	5.92	5.88	5.94	3.19	-	3.48	5.17	6.01		
284	13.77	13.38	13.69	11.08	11.70	12.44	12.79	8.51	-	9.63	11.53	12.18		
292	-	-	-	-	-	-	-	-	-	-	-	-		
295	11.52	10.74	11.34	9.04	9.50	10.00	10.32	7.55	-	7.76	9.32	9.78		
302	-	-	-	-	-	-	-	-	-	-	-	-		
303	1.45	0.80	1.48	-	0.32	0.36	0.52	+0.07	-	+0.13	+0.10	+0.04		
311	DRY	DRY	DRY	DRY	DRY	DRY	DRY	16.11	-	12.48	15.82	15.75		
312	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	18.92	DRY	DRY		
313	18.37	18.44	18.60	17.96	17.95	17.69	17.53	17.27	-	16.45	16.32	16.50		
315	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY		
317	12.65	12.89	12.97	9.55	9.71	10.18	10.58	7.65	-	6.42	8.51	9.00		
318	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	8.67	11.11	11.42		
337	-	-	-	-	-	-	-	-	-	-	-	-		
338	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY		
341	DRY	DRY	DRY	-	-	DRY	DRY	-	18.09	DRY	DRY	DRY		
342	DRY	DRY	DRY	-	-	DRY	DRY	11.74	-	13.68	15.16	DRY		
343	23.37	DRY	DRY	-	21.52	21.24	21.19	19.72	-	15.13	18.46	18.83		
344	7.46	6.32	6.58	-	4.36	5.43	5.99	4.58	-	3.60	4.97	5.61		
345	6.45	5.96	5.96	-	5.23	5.62	5.83	5.21	-	4.57	5.00	5.47		
346	10.30	7.62	11.26	-	7.42	9.08	10.23	7.07	-	6.15	8.06	9.05		
347	11.96	10.05	9.37	-	4.30	6.26	8.00	4.26	-	3.62	5.06	6.06		
350	-	DRY	DRY	DRY	DRY	DRY	DRY	10.79	-	9.57	15.74	11.64		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	08/04/77	08/16/77	08/31/77	09/15/77	09/22/77	10/04/77	10/20/77	11/17/77	11/18/77	12/06/77	12/20/77	01/05/78		
351	-	DRY	DRY	DRY	DRY	DRY	DRY	18.70	-	16.68	DRY	DRY		
352	-	-	-	-	-	-	-	-	-	-	-	-		
355	DRY	DRY	DRY	DRY	DRY	DRY	19.05	-	15.37	9.51	14.35	15.59		
356	7.21	6.54	6.81	-	2.13	1.62	3.62	1.63	-	1.58	2.49	2.99		
357	DRY	DRY	DRY	8.51	7.65	9.33	10.21	6.30	-	5.48	8.95	9.51		
358	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	-	DRY	DRY	DRY		
359	11.02	11.02	11.51	9.32	8.83	9.00	8.96	-	6.91	5.36	6.77	7.12		
360	-	-	-	-	-	-	-	-	-	-	-	-		
361	7.52	7.54	7.52	4.51	3.97	4.63	5.36	1.95	-	2.13	3.32	4.22		
362	5.96	5.53	5.60	-	5.58	5.61	5.58	5.38	-	5.33	5.57	5.54		
363	1.69	1.39	1.06	-	1.25	1.25	1.43	0.24	-	0.89	1.21	1.24		
364	6.12	2.53	5.22	-	2.52	4.04	4.63	1.46	-	1.66	2.46	3.17		
365	3.03	2.45	2.98	-	2.02	2.15	2.18	1.37	-	1.43	1.72	1.82		
366	DRY	DRY	DRY	-	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY		
367	53.40	53.59	53.80	53.83	53.35	53.05	52.74	-	51.82	47.53	48.85	49.35		
368	25.37	25.32	25.42	25.12	24.38	24.64	24.83	-	24.92	23.09	24.43	24.48		
369	36.90	37.07	37.26	37.34	36.50	36.16	36.01	-	35.37	33.91	34.18	34.30		
370	22.32	22.47	-	22.69	22.28	22.08	21.92	-	21.52	20.56	20.24	20.00		
371	19.45	19.35	19.34	-	18.77	19.16	19.32	17.17	-	17.47	18.78	18.94		
372	16.54	16.08	15.94	-	13.95	14.82	15.11	14.00	-	12.51	14.43	14.79		
373	25.67	25.91	26.27	-	26.43	25.93	25.49	-	18.86	19.62	19.57	-		
374	20.36	20.50	20.62	20.63	19.83	19.14	18.79	-	16.69	14.04	16.47	16.77		
375	20.81	21.05	21.31	21.53	21.21	20.49	20.80	20.36	-	19.15	19.41	19.38		
376	21.96	22.09	22.33	22.41	-	22.55	22.61	21.76	-	21.69	21.05	20.42		
377	41.69	41.99	42.38	42.20	42.81	43.08	43.30	43.70	-	42.95	42.55	42.07		
378	55.72	56.31	57.05	57.70	57.35	58.46	58.87	59.07	-	57.68	55.13	53.38		
379	25.99	26.53	27.10	27.63	27.05	26.82	26.44	24.75	-	20.59	20.41	20.01		
380	15.36	15.61	17.05	15.91	14.64	14.52	14.12	9.77	-	5.31	8.01	8.21		
381	23.73	23.99	24.19	22.89	19.66	20.04	20.54	15.12	-	12.82	17.25	18.55		
382	16.89	17.00	17.14	16.81	15.70	15.53	15.51	14.29	-	11.45	12.44	12.91		
383	23.66	23.63	23.66	23.36	23.09	23.38	23.39	20.68	-	21.09	22.68	23.02		
384	39.69	39.90	40.12	39.92	37.81	37.49	37.35	36.14	-	31.79	35.47	35.96		
385	26.91	27.29	27.64	-	24.37	23.52	23.45	-	22.77	20.03	21.27	21.91		
386	-	-	-	-	-	-	-	-	-	-	-	-		
387	-	-	-	-	-	-	-	-	-	-	-	-		
388	-	-	-	-	-	-	-	-	-	-	-	-		
TR-1	38.78	38.85	34.94	34.50	33.40	33.37	33.30	32.21	-	34.25	36.38	36.71		
TR-2	18.14	18.28	18.32	18.20	17.45	17.35	17.12	16.14	-	13.39	15.40	15.65		
TR-3	14.26	14.28	14.48	14.10	13.67	13.98	13.69	12.40	-	10.57	12.21	12.46		
TR-12	-	-	-	-	-	-	-	-	-	-	-	-		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	02/02/78	02/16/78	03/02/78	03/03/78	03/23/78	04/05/78	04/20/78	05/03/78	05/18/78	05/31/78	06/15/78	06/28/78		
107	19.41	20.27	20.82	-	19.69	20.31	20.82	20.83	20.13	20.69	20.74	21.15		
108	28.90	29.08	29.33	-	28.90	29.22	29.33	29.55	29.16	29.65	29.55	29.88		
109	22.43	22.54	22.69	-	22.42	22.72	22.86	23.00	22.60	23.10	22.98	23.26		
110	30.56	30.82	31.23	-	30.83	31.10	31.37	31.57	31.43	31.60	30.72	31.19		
266	-	-	-	-	-	-	-	-	-	-	-	-		
267	13.13	15.30	DRY	-	14.20	16.50	DRY	DRY	14.92	DRY	15.33	DRY		
268	9.86	14.88	16.92	-	10.87	15.11	15.32	14.08	10.78	16.86	12.28	17.68		
269	19.61	DRY	DRY	-	19.50	-	DRY	19.17	18.94	DRY	DRY	DRY		
270	-	-	-	-	-	-	-	-	-	-	-	-		
271	-	-	-	-	-	-	-	-	-	-	-	-		
272	3.28	3.41	-	1.39	3.29	4.25	3.52	3.82	3.84	5.16	4.50	5.58		
273	3.63	3.63	-	3.60	3.63	3.64	3.66	3.65	3.65	3.65	3.64	3.63		
274	11.85	12.10	12.74	-	11.19	12.14	12.78	13.16	12.28	13.60	13.68	14.50		
275	5.06	4.98	-	4.47	4.89	5.45	5.27	5.14	5.15	5.70	5.50	5.98		
276	1.48	0.68	-	0.17	1.14	1.83	0.83	1.06	1.18	2.14	1.71	2.31		
277	15.31	16.09	-	10.84	15.75	17.00	15.92	16.15	15.43	17.18	16.21	17.73		
278	6.57	6.47	6.90	-	6.69	7.37	6.51	6.22	6.39	7.85	6.56	7.92		
279	5.77	5.25	5.66	-	5.15	6.36	5.43	5.42	5.50	6.22	5.54	6.09		
284	11.57	11.78	12.03	-	11.78	12.40	10.68	11.47	11.70	12.68	12.06	12.79		
292	-	-	-	-	-	-	-	-	-	-	-	-		
295	9.47	9.59	9.73	-	9.52	9.93	9.09	9.29	9.36	10.22	9.52	10.29		
302	-	-	-	-	-	-	-	-	-	-	-	-		
303	+0.05	+0.07	0.05	-	+0.08	+0.04	+0.04	+0.06	+0.09	0.31	0.12	0.52		
311	15.09	15.18	15.78	-	15.96	16.20	15.12	15.34	15.81	16.48	16.23	16.06		
312	-	-	-	-	-	-	-	-	-	-	-	-		
313	16.14	16.48	16.74	-	16.24	16.49	16.76	16.89	16.64	16.76	16.94	17.21		
315	14.63	DRY	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
317	7.84	8.55	9.15	-	8.27	9.13	8.65	8.69	8.20	9.63	8.73	10.01		
318	10.67	DRY	DRY	-	DRY	DRY	DRY	DRY	10.75	DRY	10.68	DRY		
337	-	-	-	-	-	-	-	-	-	-	-	-		
338	DRY	DRY	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
341	-	DRY	-	DRY	DRY	DRY	-	DRY	DRY	DRY	DRY	DRY		
342	12.77	DRY	-	13.48	DRY	DRY	14.77	DRY	DRY	DRY	DRY	DRY		
343	16.73	18.76	-	19.08	17.52	19.12	19.57	19.42	17.87	19.62	18.97	20.09		
344	5.32	4.57	-	3.80	5.40	6.07	5.27	5.02	4.94	5.90	5.28	6.15		
345	5.38	4.65	-	2.84	5.33	5.66	5.32	5.18	5.25	6.15	5.52	5.82		
346	8.75	8.06	-	3.64	8.15	9.73	7.96	7.84	8.37	10.56	8.93	10.94		
347	4.92	4.59	-	2.64	5.40	7.42	4.55	4.98	4.93	8.21	5.55	8.29		
350	10.55	15.96	-	11.65	10.65	12.21	11.06	10.94	10.12	15.66	10.58	15.92		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement											
	02/02/78	02/16/78	03/02/78	03/03/78	03/23/78	04/05/78	04/20/78	05/03/78	05/18/78	05/31/78	06/15/78	06/28/78
351	20.64	DRY	-	18.78	DRY	DRY	20.38	DRY	20.71	DRY	DRY	DRY
352	-	-	-	-	-	-	-	-	-	-	-	-
355	12.93	15.34	-	12.16	13.95	16.49	16.81	16.53	14.28	16.81	16.19	17.95
356	2.73	2.49	-	1.11	2.70	4.25	2.51	2.47	2.50	4.91	2.80	4.97
357	8.32	9.64	10.14	-	8.83	9.23	7.10	7.88	7.14	10.39	9.67	DRY
358	18.31	DRY	-	17.67	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
359	6.34	6.88	-	5.27	6.63	7.45	7.42	7.39	6.71	7.91	7.50	8.37
360	-	-	-	-	-	-	-	-	-	-	-	-
361	3.90	3.52	3.95	-	3.83	5.21	3.90	3.41	3.56	5.63	4.23	5.70
362	5.56	5.44	5.43	-	5.50	5.56	5.35	5.33	5.31	5.54	5.46	5.54
363	1.06	1.30	1.29	-	1.19	1.22	0.85	0.89	1.16	1.25	1.20	1.34
364	2.75	2.48	2.99	-	2.77	3.45	2.21	1.92	2.26	3.88	2.82	3.98
365	1.75	1.60	1.60	-	1.71	1.81	1.68	1.73	1.73	1.95	1.83	2.21
366	22.56	22.97	-	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
367	47.33	49.48	-	50.27	48.13	49.12	50.06	50.51	49.43	50.20	50.43	50.83
368	23.77	24.79	-	25.06	24.27	-	24.97	25.19	24.76	25.19	24.14	25.06
369	33.64	34.27	-	34.52	33.74	34.26	34.64	34.74	34.30	34.74	34.64	35.11
370	19.31	19.46	-	19.81	19.20	19.70	20.12	20.28	20.04	20.24	20.18	20.46
371	18.78	18.88	-	18.13	18.90	19.10	18.65	18.94	18.84	19.26	18.95	19.30
372	14.50	14.92	-	13.28	14.68	15.44	15.00	14.83	13.76	15.33	14.60	15.40
373	18.97	19.05	-	20.30	18.73	19.33	20.05	20.29	19.58	19.97	20.04	20.45
374	15.83	17.90	-	17.56	16.65	17.97	17.93	17.48	16.91	18.59	17.08	18.80
375	18.48	18.63	18.91	-	17.95	18.36	18.48	18.60	17.84	18.53	18.50	18.95
376	19.41	18.87	18.71	-	18.33	18.48	18.59	18.79	19.07	19.23	19.32	19.42
377	40.72	39.68	38.94	-	38.51	38.31	38.25	38.30	38.48	38.58	38.65	38.82
378	49.98	48.07	48.17	-	47.77	47.30	47.83	48.61	49.27	49.43	49.83	50.09
379	17.42	18.18	19.12	-	16.95	17.98	19.29	19.58	18.43	19.66	19.76	20.90
380	6.36	8.22	-	8.45	6.40	8.83	9.58	9.28	7.29	10.47	8.80	11.40
381	17.27	19.34	-	16.33	18.15	19.95	19.52	18.92	17.80	20.66	19.13	21.05
382	11.08	12.98	-	13.77	12.07	13.26	14.39	14.09	12.92	14.03	13.69	15.03
383	22.72	23.09	-	21.84	22.98	23.22	22.51	22.96	22.83	23.43	23.11	23.50
384	34.49	36.68	-	36.76	35.24	36.83	37.42	37.06	35.51	37.29	36.32	37.70
385	20.40	22.26	-	23.28	21.27	22.83	24.03	23.16	21.46	23.17	21.93	23.47
386	-	-	-	-	-	-	-	-	-	-	-	-
387	-	-	-	-	-	-	-	-	-	-	-	-
388	-	-	-	-	-	-	-	-	-	-	-	-
TR-1	35.12	36.89	-	37.30	36.00	37.15	37.53	36.96	35.90	37.61	37.17	37.85
TR-2	14.25	16.00	-	16.51	15.13	16.25	16.74	16.86	15.72	16.70	15.93	16.93
TR-3	11.44	12.55	-	12.62	-	12.85	13.04	13.24	12.49	13.00	12.79	13.47
TR-12	-	-	-	-	-	-	-	-	-	-	-	-

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	07/13/78	08/03/78	08/16/78	08/29/78	09/13/78	09/22/78	10/05/78	10/19/78	11/02/78	11/22/78	12/06/78	12/21/78		
107	21.62	21.88	21.08	21.47	21.96	22.24	22.60	22.99	23.38	23.71	22.64	21.69		
108	30.20	30.31	29.58	30.17	30.48	30.66	30.83	31.03	31.28	31.35	30.45	30.12		
109	23.55	23.49	22.69	23.40	23.66	23.89	23.99	24.20	24.50	25.01	23.26	22.15		
110	31.60	31.19	30.23	30.93	31.53	31.59	31.61	31.62	31.63	31.63	30.79	30.78		
266	-	-	-	-	-	-	-	-	-	-	-	-		
267	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	7.29	5.42		
268	19.23	19.30	7.34	17.50	19.68	DRY	DRY	DRY	DRY	DRY	3.75	5.40		
269	DRY	DRY	18.77	DRY	-	DRY	DRY	DRY	DRY	DRY	14.51	12.35		
270	-	-	-	-	-	-	-	-	-	-	-	-		
271	-	-	-	-	-	-	-	-	-	-	-	-		
272	6.25	5.95	3.24	5.50	5.95	6.62	7.22	7.58	7.81	6.62	1.12	0.60		
273	3.77	3.65	3.53	3.62	3.65	3.75	4.33	4.94	5.47	-	-	-		
274	15.63	16.49	14.92	16.55	17.47	17.83	18.00	DRY	DRY	DRY	13.81	10.38		
275	6.46	6.07	5.14	5.81	6.01	6.30	6.52	6.80	6.98	-	-	-		
276	3.05	2.48	1.03	2.21	2.67	2.86	3.12	3.27	3.44	2.76	0.26	+0.19		
277	18.63	17.92	14.72	17.39	18.14	18.06	19.18	19.70	19.98	19.18	12.18	10.07		
278	9.14	7.60	5.45	6.95	7.67	8.62	9.20	9.57	9.81	8.18	4.85	3.07		
279	6.05	6.02	5.22	5.75	6.02	6.07	6.10	6.25	6.49	6.59	4.50	2.70		
284	13.35	12.82	10.13	11.95	12.18	12.94	13.32	13.63	13.76	11.94	7.45	7.67		
292	-	-	-	-	-	-	-	-	-	-	-	-		
295	11.07	10.18	8.12	9.93	9.83	10.51	10.75	11.15	11.27	9.29	4.43	5.88		
302	-	-	-	-	-	-	-	-	-	-	-	-		
303	0.95	0.56	+0.09	0.37	0.23	0.83	0.62	0.94	0.93	0.41	+0.09	+0.17		
311	16.86	16.47	13.90	-	-	-	-	-	-	-	-	-		
312	-	-	-	-	-	-	-	-	-	-	-	-		
313	17.64	17.19	17.19	17.14	17.52	17.70	17.98	18.20	18.38	18.39	17.86	17.55		
315	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
317	10.77	10.46	7.58	9.46	9.97	11.04	11.67	12.27	12.75	11.77	6.42	4.21		
318	DRY	DRY	10.22	DRY	DRY	DRY	DRY	DRY	DRY	DRY	10.00	10.29		
337	-	-	-	-	-	-	-	-	-	-	-	-		
338	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
341	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	19.60	16.85		
342	DRY	DRY	-	-	-	-	-	-	-	-	-	-		
343	21.17	20.88	18.33	19.94	21.12	21.45	21.79	DRY	DRY	DRY	19.68	18.94		
344	7.10	6.12	4.15	5.90	6.15	6.76	7.14	7.50	7.74	6.21	3.92	4.31		
345	6.03	5.71	4.79	5.39	5.38	5.78	5.84	6.15	6.32	5.80	4.59	3.70		
346	11.48	9.94	7.88	9.87	9.60	11.24	11.32	12.05	12.49	9.92	6.38	4.08		
347	9.81	6.23	3.35	6.59	6.14	8.76	9.07	11.40	12.09	6.00	3.10	2.92		
350	DRY	DRY	9.85	12.32	DRY	DRY	DRY	DRY	DRY	DRY	9.41	9.79		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	07/13/78	08/03/78	08/16/78	08/29/78	09/13/78	09/22/78	10/05/78	10/19/78	11/02/78	11/22/78	12/06/78	12/21/78		
351	DRY	DRY	17.97	DRY	DRY	DRY	DRY	DRY	DRY	DRY	14.44	15.51		
352	-	-	-	-	-	-	-	-	-	-	-	-		
355	DRY	DRY	16.21	18.68	DRY	DRY	DRY	DRY	DRY	DRY	13.36	10.79		
356	6.12	4.05	2.24	3.43	3.65	5.60	5.57	6.85	7.60	4.12	1.57	1.30		
357	DRY	DRY	6.23	DRY	DRY	DRY	DRY	DRY	DRY	DRY	4.49	4.29		
358	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	17.23		
359	9.28	9.15	7.79	8.62	9.23	9.89	10.26	10.72	11.04	10.50	8.00	5.82		
360	-	-	-	-	-	-	-	-	-	-	-	-		
361	6.87	5.52	2.87	4.79	5.45	6.55	6.91	7.19	7.47	6.46	2.35	1.51		
362	5.61	5.53	5.20	5.50	5.41	5.49	5.54	5.56	5.57	5.55	5.26	5.20		
363	1.52	1.27	0.74	0.96	0.97	1.24	1.15	1.15	1.17	1.20	0.13	0.18		
364	4.60	4.11	2.13	3.76	4.14	4.51	4.82	5.32	5.50	3.18	0.80	0.23		
365	2.65	1.75	1.62	1.75	1.67	2.33	2.11	2.33	2.25	1.72	1.25	0.98		
366	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
367	51.64	51.97	51.06	51.34	51.90	52.27	52.50	52.87	53.10	53.21	52.37	51.22		
368	25.43	25.25	24.31	25.10	25.35	25.53	25.62	25.77	25.86	25.31	24.41	24.70		
369	35.57	35.78	34.98	35.45	35.88	36.07	36.28	36.57	36.81	36.98	35.94	35.59		
370	20.90	21.16	20.74	21.03	21.36	21.53	21.77	22.06	22.30	22.42	21.97	21.50		
371	19.10	19.18	18.53	19.21	19.29	19.42	19.43	19.48	19.48	19.39	17.59	17.17		
372	16.05	15.52	13.64	15.12	15.45	15.71	16.03	16.48	16.78	15.83	12.59	11.14		
373	21.27	23.21	22.20	22.50	23.57	24.23	25.01	25.57	25.71	26.22	26.11	24.71		
374	19.48	19.40	17.02	18.42	19.28	19.57	19.94	20.23	20.39	20.42	17.51	16.40		
375	19.41	19.71	19.23	19.51	19.99	20.19	20.38	20.65	20.87	20.52	20.31	19.95		
376	19.58	19.89	19.98	20.16	20.31	20.50	20.63	20.91	21.16	21.46	21.59	21.74		
377	39.08	39.53	39.73	40.05	40.44	40.64	40.92	41.36	41.71	42.28	42.38	42.79		
378	50.63	51.80	52.49	53.02	53.65	54.02	54.60	55.31	55.98	56.92	57.53	57.93		
379	22.08	23.01	22.33	23.21	24.13	24.61	25.19	25.89	26.47	27.19	26.30	24.37		
380	12.84	13.42	9.39	12.20	13.53	14.20	14.67	15.37	15.87	16.11	11.93	9.95		
381	22.53	20.96	17.10	20.17	21.47	22.29	22.99	23.57	23.93	22.93	15.21	13.67		
382	15.92	15.92	14.14	15.29	16.04	16.32	16.62	16.90	17.07	16.81	14.20	13.71		
383	23.61	23.31	22.61	23.38	23.47	23.60	23.64	23.66	23.66	23.60	21.30	20.64		
384	38.67	38.35	35.53	37.30	38.24	38.70	39.16	39.56	39.85	39.80	35.74	35.65		
385	25.42	24.26	21.40	22.11	24.21	25.42	26.37	27.13	27.84	27.30	22.94	21.08		
386	-	-	2.29	2.48	3.15	3.70	3.87	4.25	4.43	3.73	2.24	0.94		
387	-	-	4.04	5.11	5.40	6.00	6.20	6.60	6.79	5.75	3.95	2.08		
388	-	-	0.71	1.86	2.04	2.70	3.08	3.49	4.22	2.77	0.15	0.09		
TR-1	38.14	38.18	36.73	37.69	38.15	38.28	38.53	38.68	38.80	38.69	37.11	37.15		
TR-2	17.48	17.34	15.79	16.73	17.38	17.67	17.94	18.18	18.35	18.41	16.61	16.13		
TR-3	13.82	13.73	12.81	13.57	13.85	14.03	14.12	14.24	14.31	14.27	12.67	12.25		
TR-12	-	-	-	-	-	-	-	-	-	32.59	-	29.82		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	01/09/79	01/26/79	02/13/79	03/01/79	03/15/79	04/04/79	04/18/79	05/08/79	05/29/79	06/05/79	06/19/79	07/18/79		
107	20.21	19.67	20.27	18.66	19.00	19.43	19.14	20.26	20.45	19.76	20.55	20.80		
108	-	29.23	29.68	-	28.94	28.55	29.10	29.73	29.69	28.93	29.83	29.83		
109	22.36	22.31	22.80	22.14	22.24	21.53	22.23	22.84	22.73	21.91	22.93	22.79		
110	29.61	29.37	30.67	29.71	29.82	30.42	29.94	30.63	30.59	30.13	30.83	30.95		
266	-	-	-	-	-	-	-	-	-	-	-	-		
267	4.52	5.86	13.44	8.53	10.99	2.98	10.92	16.99	13.06	6.57	16.44	13.61		
268	3.01	3.88	13.78	4.06	8.30	2.46	7.15	14.48	13.67	3.62	15.88	6.93		
269	12.45	14.59	17.96	14.50	15.92	11.93	18.63	DRY	16.89	12.03	DRY	16.40		
270	-	-	-	-	-	-	-	-	-	-	-	-		
271	-	-	-	-	-	-	-	-	-	-	-	-		
272	0.76	1.27	4.02	1.44	2.23	0.40	2.91	3.95	3.57	1.01	5.01	3.48		
273	-	-	-	-	-	-	-	-	-	-	-	-		
274	-	12.67	14.87	11.80	11.62	8.12	10.85	12.26	12.15	9.73	12.65	13.20		
275	-	-	-	-	-	-	-	-	-	-	-	-		
276	0.15	0.74	0.34	0.70	0.57	0.40	1.28	1.35	1.36	0.84	2.43	1.28		
277	9.74	11.51	16.26	11.96	13.82	9.27	13.94	16.47	15.36	10.74	17.22	14.79		
278	4.94	5.54	6.26	5.61	5.77	4.34	6.02	6.88	6.25	5.19	7.84	6.02		
279	4.02	4.37	4.45	4.71	4.63	4.00	5.12	6.00	5.15	4.76	5.88	5.32		
284	-	8.06	9.42	7.82	9.87	7.16	11.10	11.53	11.46	9.60	12.55	10.47		
292	-	-	-	-	-	-	-	-	-	-	-	-		
295	-	-	-	-	-	-	-	-	-	-	-	-		
302	-	-	-	-	-	-	-	-	-	-	-	-		
303	+0.14	+0.06	+0.05	+0.10	0.00	+0.14	0.14	0.21	0.27	0.05	0.44	0.08		
311	-	-	-	-	-	-	-	-	-	-	-	-		
312	-	-	-	-	-	-	-	-	-	-	-	-		
313	16.99	16.86	16.93	16.50	16.32	16.43	16.30	16.81	16.95	16.67	16.84	17.02		
315	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
317	5.60	5.86	5.83	6.47	7.20	5.78	7.48	8.69	8.12	6.40	9.29	7.58		
318	9.83	10.26	DRY	10.08	DRY	10.24	10.58	10.31	DRY	9.84	DRY	10.98		
337	-	-	-	-	-	-	-	-	-	-	-	-		
338	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
341	19.42	DRY	DRY	DRY	DRY	18.27	DRY	DRY	DRY	19.68	DRY	DRY		
342	-	-	-	-	-	-	-	-	-	-	-	-		
343	14.52	15.10	18.67	14.60	16.75	16.58	16.18	18.80	17.89	14.78	19.01	18.66		
344	3.29	5.14	6.54	4.26	5.71	5.11	6.30	6.96	5.54	3.87	5.75	4.40		
345	3.14	3.77	3.32	3.73	3.81	3.94	4.04	4.37	4.23	3.92	4.20	4.06		
346	6.67	7.25	7.80	7.64	7.66	5.37	8.30	5.99	4.90	3.31	10.78	7.45		
347	3.14	3.77	4.78	3.80	4.41	2.77	4.66	8.41	8.15	6.91	8.14	8.19		
350	8.68	9.11	12.06	9.12	9.99	8.26	9.47	15.02	9.69	8.90	12.01	10.14		

Table 2. -- Depth to water, in feet below land surface, in observation wells in Burial Ground 6, Oak Ridge National Laboratory, Roane County, Tennessee. (continued)
(Plus sign preceding measurement indicates water level above land surface.)

Well No	Dates of measurement													
	01/09/79	01/26/79	02/13/79	03/01/79	03/15/79	04/04/79	04/18/79	05/08/79	05/29/79	06/05/79	06/19/79	07/18/79		
351	12.82	15.48	21.37	14.83	23.42	11.44	17.96	DRY	23.31	13.96	DRY	16.89		
352	-	-	-	-	-	-	-	-	-	-	-	-		
355	8.84	9.50	14.96	9.34	11.49	9.45	11.68	14.99	15.08	12.40	16.71	15.81		
356	1.47	1.84	2.35	2.02	2.24	1.66	2.49	3.19	2.50	2.07	4.97	2.42		
357	4.54	5.08	9.08	5.67	7.34	4.33	6.73	7.71	7.99	5.66	DRY	6.67		
358	DRY	DRY	-	DRY	DRY	17.30	DRY	DRY	DRY	DRY	DRY	DRY		
359	5.12	5.29	6.09	5.20	5.67	5.00	5.79	6.70	6.59	5.65	7.66	6.77		
360	-	-	-	-	-	-	-	-	-	-	-	-		
361	2.33	2.66	3.65	2.96	2.87	2.27	3.42	4.22	3.55	2.34	5.56	3.04		
362	5.43	5.34	5.30	5.38	5.23	5.16	5.53	5.43	5.24	5.23	5.43	5.19		
363	1.23	0.99	1.16	1.27	1.29	1.06	1.32	1.24	1.32	1.18	1.39	1.14		
364	1.28	1.43	0.20	1.55	1.60	1.14	2.30	2.26	2.17	1.78	4.00	2.11		
365	1.35	1.52	1.44	1.56	1.61	1.38	1.66	1.72	1.75	1.54	2.16	1.62		
366	22.20	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
367	48.65	48.37	50.44	47.59	48.10	49.38	47.78	49.91	49.87	48.33	50.09	51.28		
368	22.88	23.39	24.75	23.41	23.87	24.34	24.13	24.76	24.03	23.20	24.59	24.11		
369	34.16	34.06	34.98	33.66	33.75	33.88	33.81	34.59	34.43	33.79	34.76	35.04		
370	20.91	20.35	20.40	19.76	19.39	19.24	19.09	19.58	19.90	19.51	19.92	20.38		
371	17.10	18.00	18.75	17.70	18.41	16.50	18.42	18.87	18.61	17.09	19.12	18.31		
372	11.63	12.80	14.06	13.01	13.72	11.43	13.73	14.56	13.82	12.33	14.76	13.31		
373	20.33	19.20	19.82	18.26	18.28	18.46	17.99	19.12	19.45	18.59	19.49	20.75		
374	13.08	13.97	17.76	14.30	15.99	15.05	15.07	17.68	15.95	13.56	17.97	17.43		
375	18.97	18.59	19.03	18.02	17.77	17.33	17.23	17.69	17.62	16.88	17.67	18.04		
376	21.47	20.95	20.84	20.07	19.51	18.40	18.33	18.10	18.29	18.20	18.26	18.39		
377	42.54	42.00	41.46	40.60	39.54	37.83	37.51	36.96	36.83	36.62	36.29	36.40		
378	57.24	54.66	51.99	51.04	48.41	-	46.54	45.94	47.21	46.86	45.53	47.52		
379	21.87	20.64	20.91	18.57	18.12	17.63	16.77	18.33	18.47	16.87	18.50	19.98		
380	6.39	6.15	9.17	5.30	6.36	6.09	5.43	8.92	7.15	4.08	9.54	8.53		
381	12.85	14.42	18.47	14.58	16.38	13.04	16.30	19.52	17.70	13.77	20.39	17.61		
382	11.59	11.27	13.03	10.94	11.16	12.03	11.79	13.71	13.58	12.02	13.70	14.08		
383	20.91	21.69	23.17	22.02	22.46	20.75	20.46	23.05	22.79	21.00	23.43	22.59		
384	31.63	32.56	36.50	32.38	34.68	34.56	34.00	36.98	35.62	32.08	36.64	36.28		
385	19.37	19.66	21.33	19.21	19.74	20.92	19.99	22.13	21.66	20.10	21.80	22.46		
386	0.90	0.85	0.05	0.70	1.07	0.13	1.14	1.80	1.71	1.06	2.30	1.86		
387	3.67	3.86	3.61	3.86	3.82	3.21	4.17	4.80	4.47	3.69	5.41	4.29		
388	0.11	0.19	0.19	0.23	0.49	0.17	0.95	1.79	1.36	0.26	2.17	0.88		
TR-1	-	34.67	36.90	34.35	35.39	36.09	35.17	37.15	36.64	34.54	36.98	37.03		
TR-2	13.08	13.48	16.00	13.44	14.61	14.94	14.28	16.34	15.71	13.17	16.01	16.20		
TR-3	10.39	10.70	12.56	10.60	11.39	11.24	11.35	12.48	12.48	10.26	12.80	12.23		
TR-12	27.13	27.77	31.34	27.50	27.49	30.38	29.03	32.18	31.46	27.96	31.70	31.93		

PART 3. -- SUPPLEMENTAL WATER-LEVEL MEASUREMENTS

PART 3 - SUPPLEMENTAL WATER-LEVEL MEASUREMENTS

All measurements are depth, in feet, below land surface.

Date	Well No.	Depth	Well No.	Depth	Well No.	Depth
04/18/75	280	11.73	290	11.03	301	5.44
	281	12.13	291	10.92	304	9.90
	282	12.36	293	10.14	305	9.37
	283	12.02	294	11.69	306	8.79
	285	11.97	296	12.58	307	8.74
	286	11.14	298	8.85	308	7.63
	287	10.09	299	9.15	309	9.21
	288	10.99	300	8.13	310	10.76
	289	10.47				
04/21/75	108	29.76				
05/11/76	108	30.94	279	6.85		
04/05/77	110	31.20				
03/08/77	TR-1	36.79	TR-2	16.55	TR-3	13.08
03/14/77	TR-1	35.15	TR-2	15.01	TR-3	12.07
05/13/77	TR-1	37.19	TR-2	16.99	TR-3	13.45

Well in an unidentified trench, about 115 ft S2°W from well 107.

Measurements are from the top of casing, which is assumed to be about three feet above land surface. During the period of measurement, most casings at trench wells were partially engulfed in earth removed from nearby trenches.

03/18/76	12.36	06/11/76	12.68
04/03/76	12.26	06/28/76	12.77
04/22/76	13.00	07/13/76	12.67
05/05/76	12.26	08/04/76	12.85
05/26/76	12.74	08/23/76	DRY

PART 4. -- HYDROGRAPHS

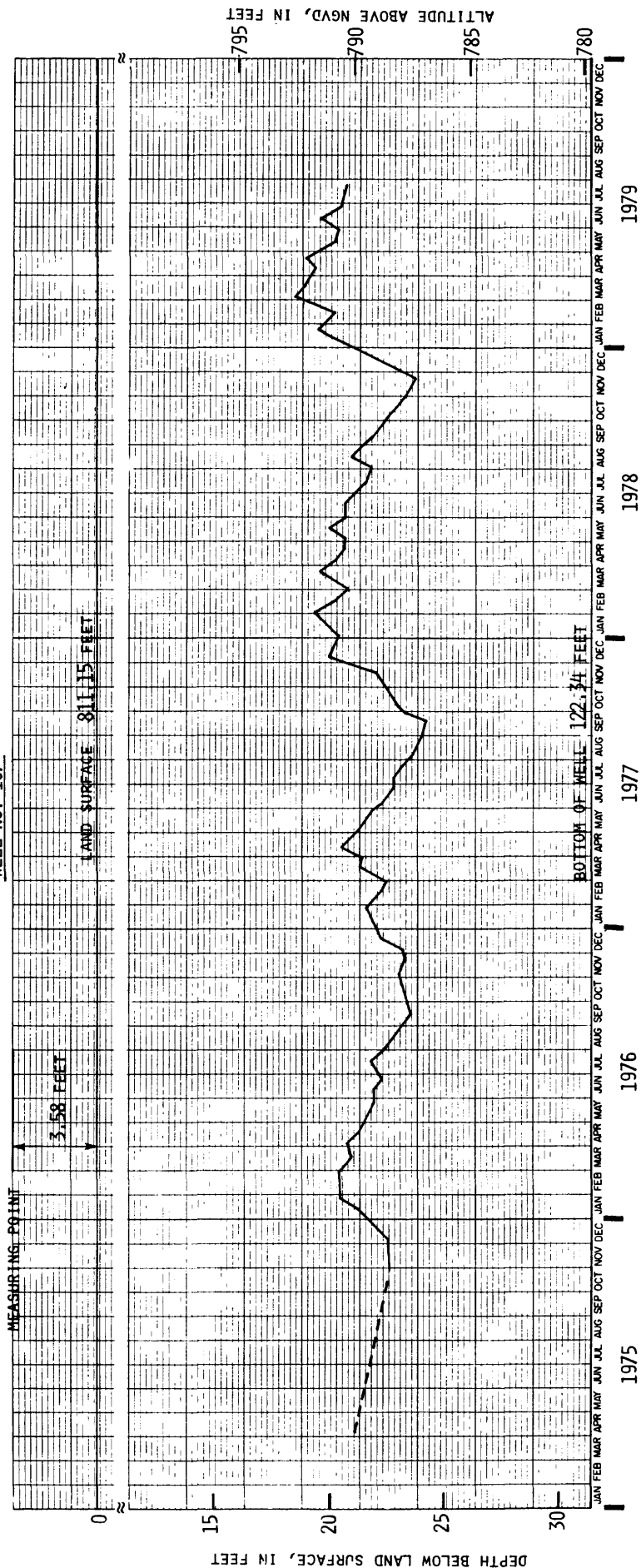
PART 4.--HYDROGRAPHS

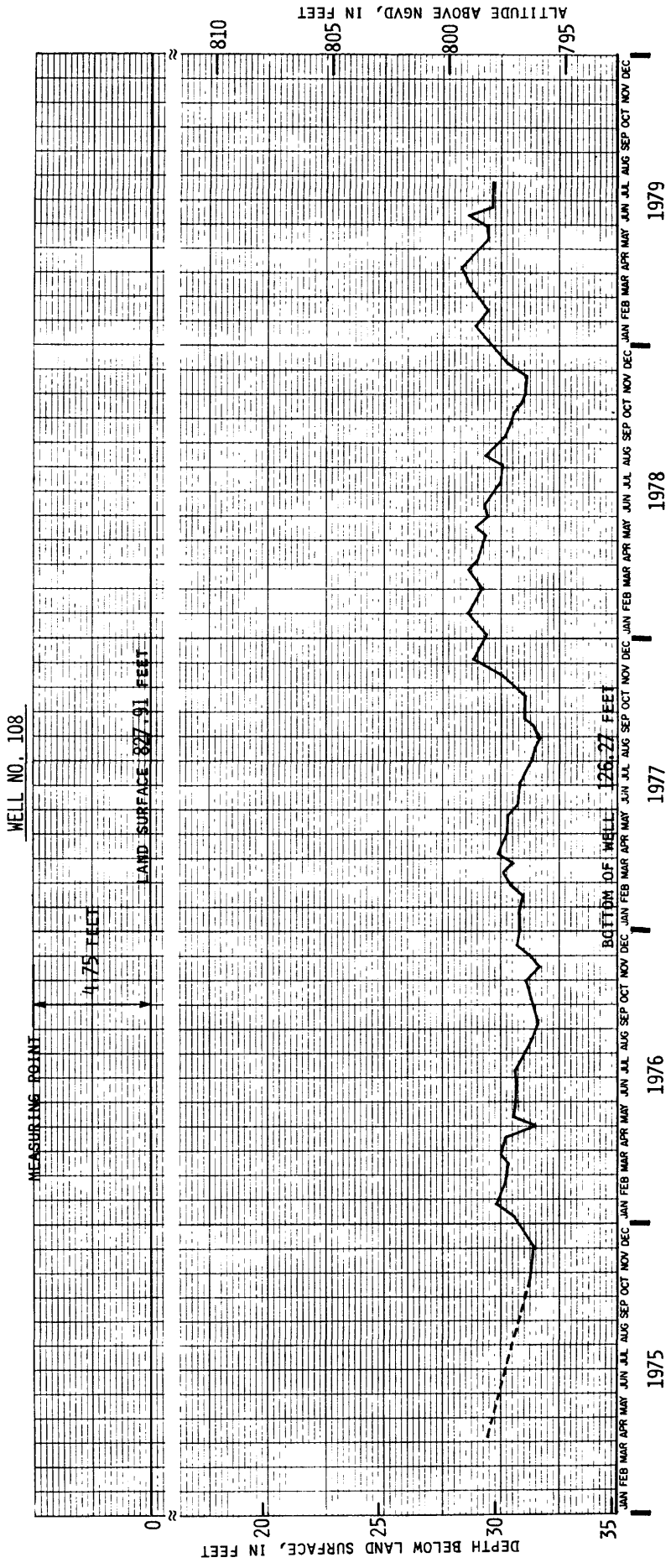
Measuring Point - Refer to page 4.

Hydrographs are dashed where the interval between measurements exceeds one month.

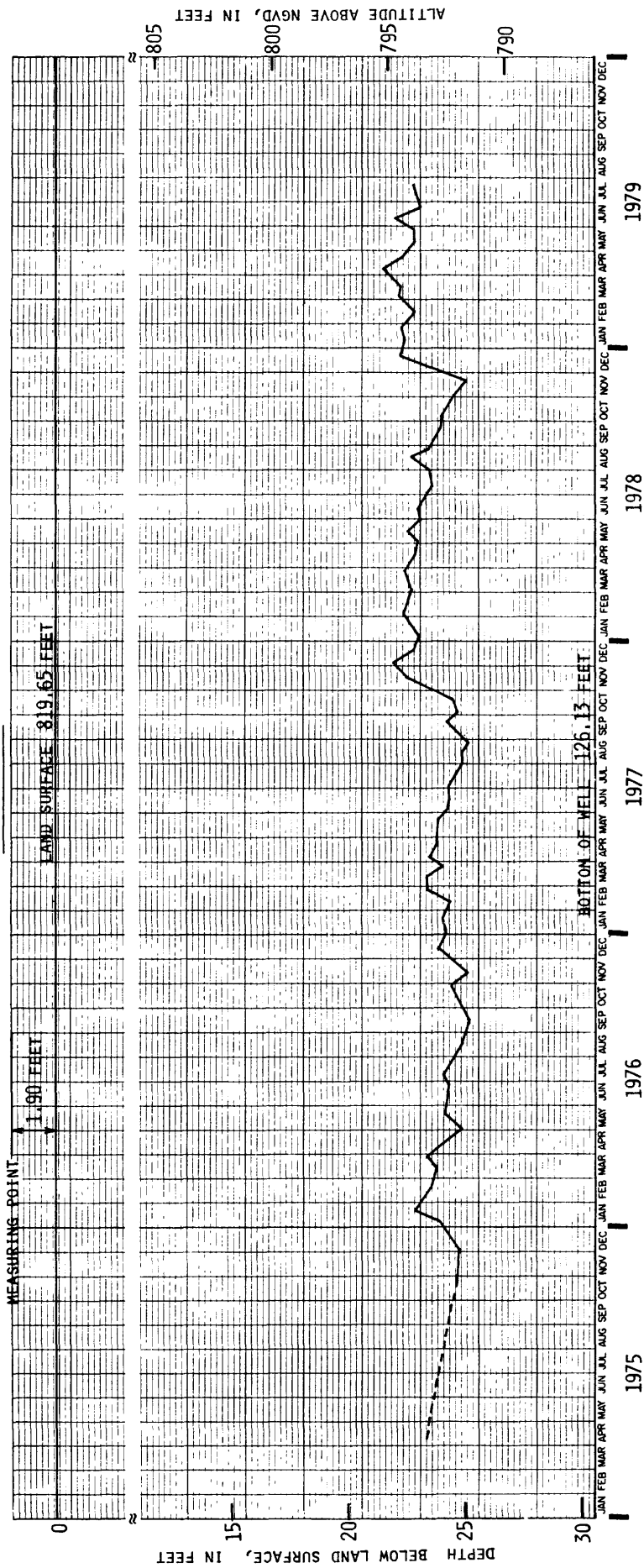
Wells 270, 271, 337, 338, and 360 were dry on each measuring date,
and wells 315 and 366 were dry on nearly all measuring dates.
Consequently hydrographs are not shown for these wells.

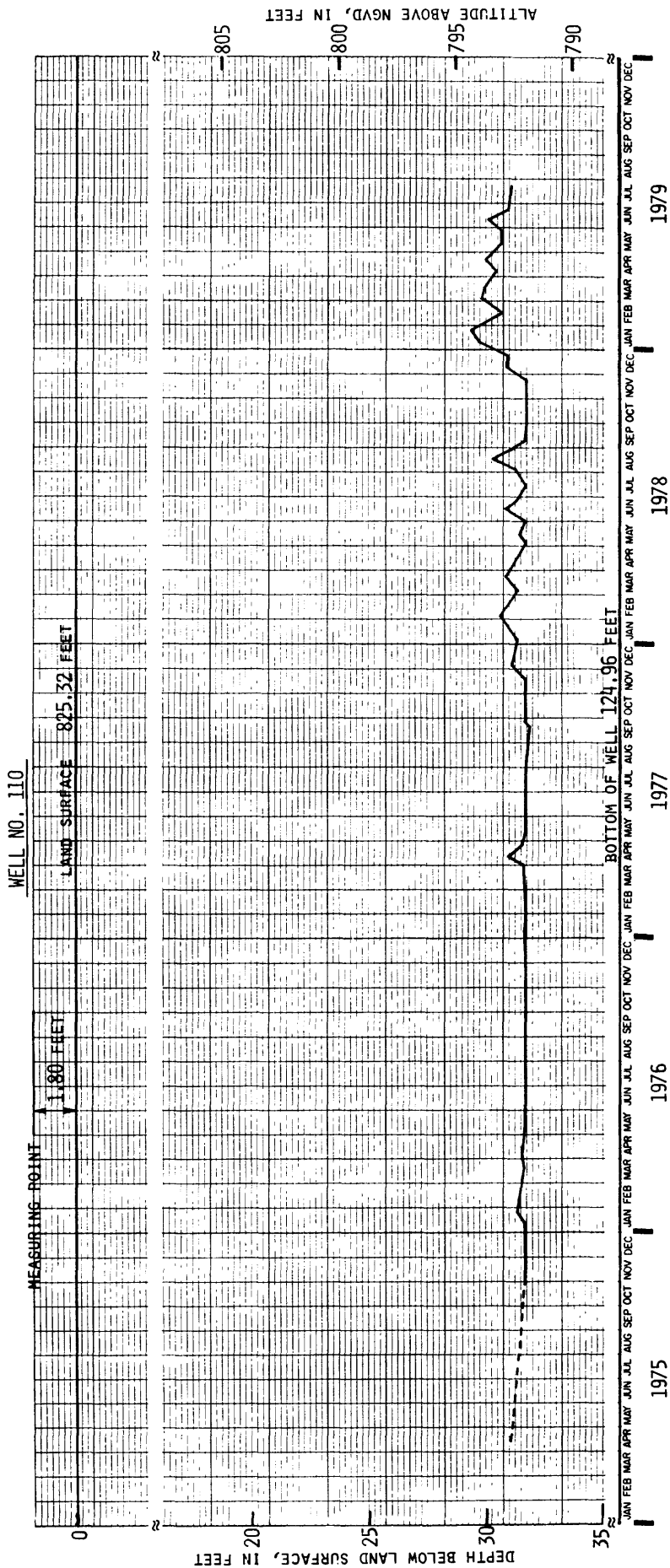
WELL NO. 107



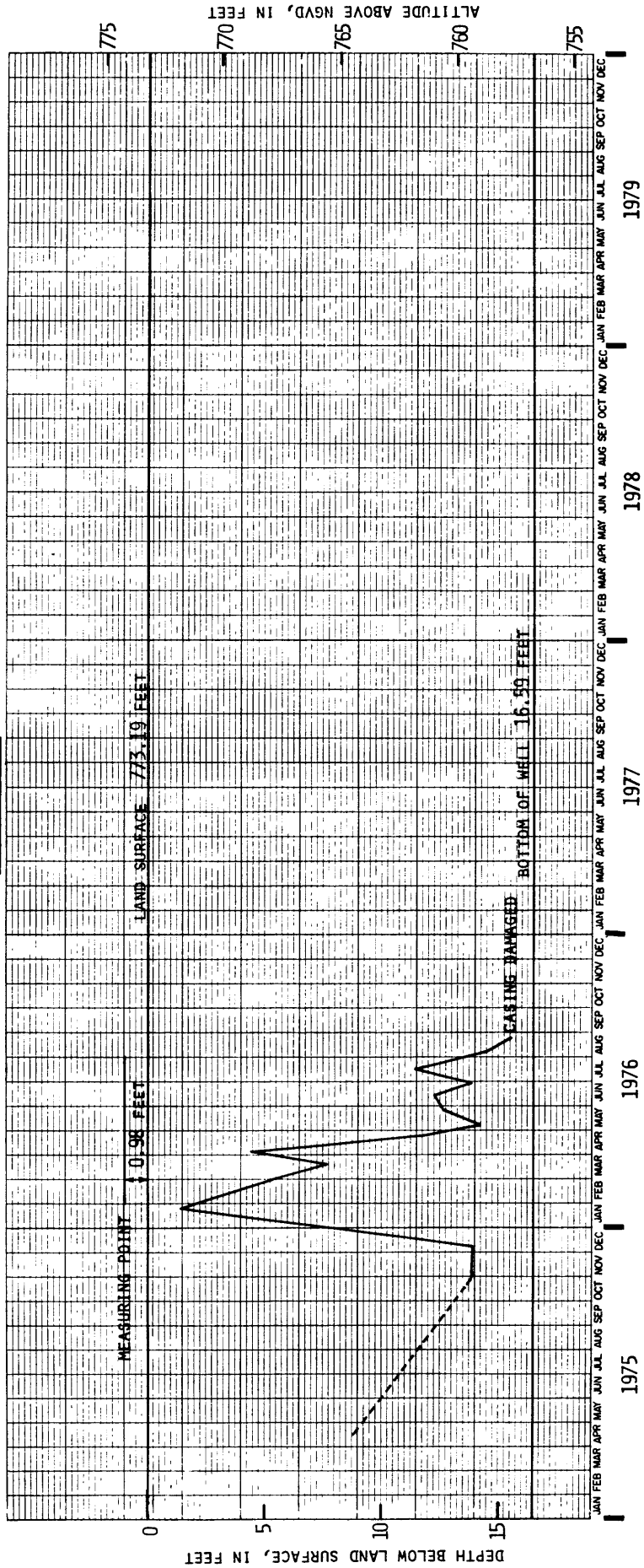


WELL NO. 109

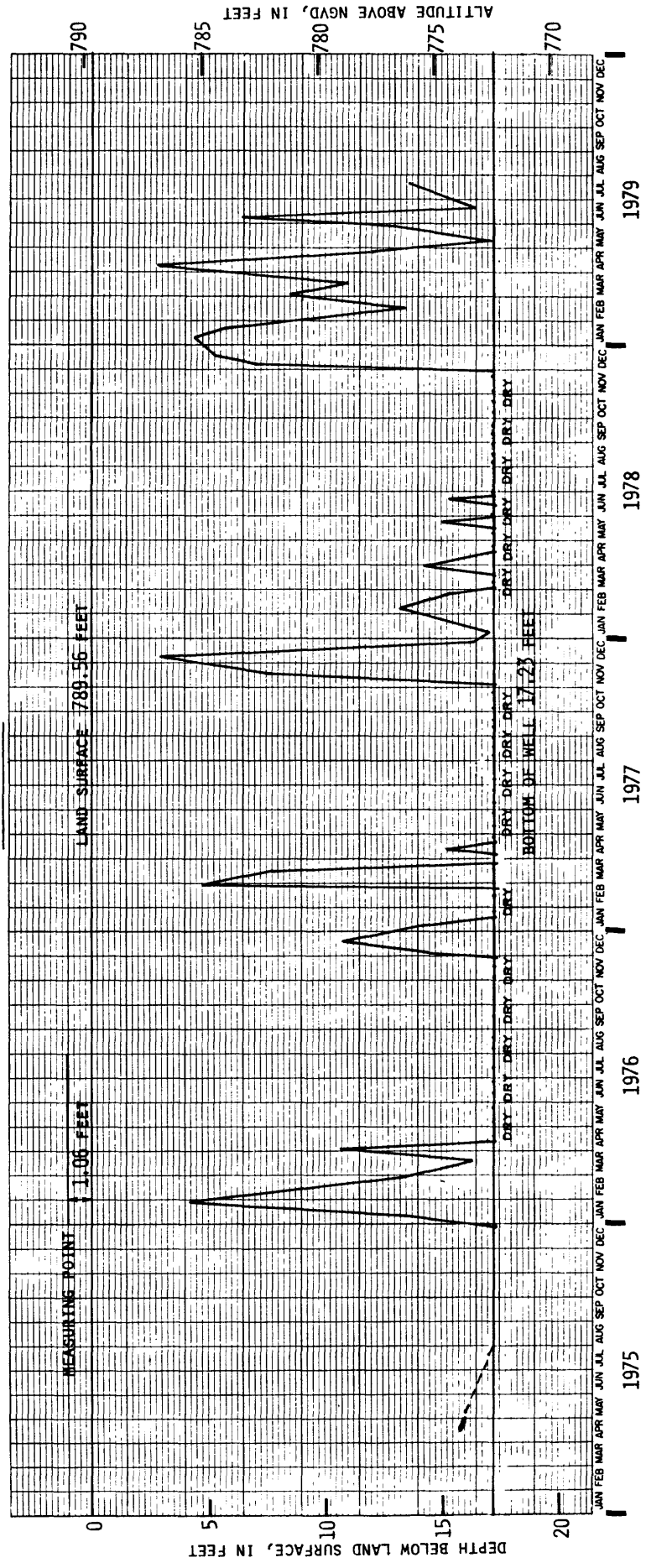


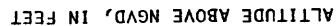


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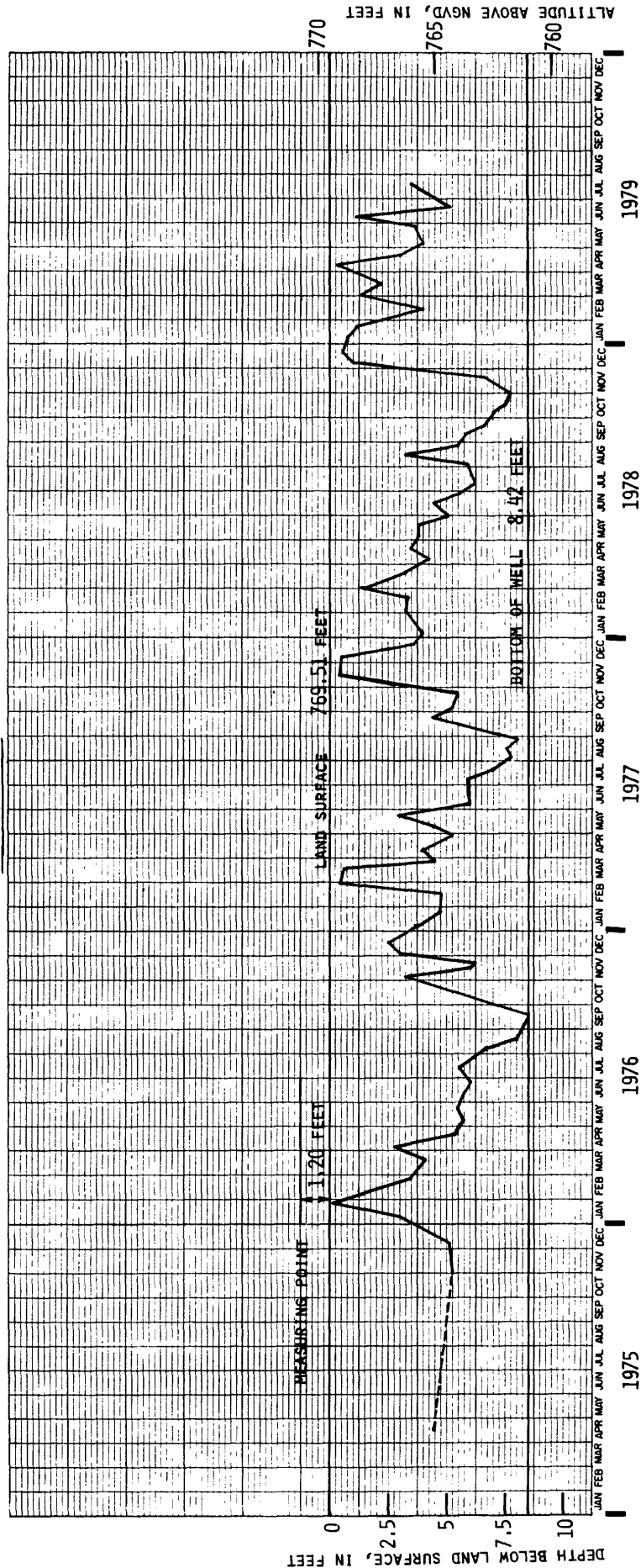


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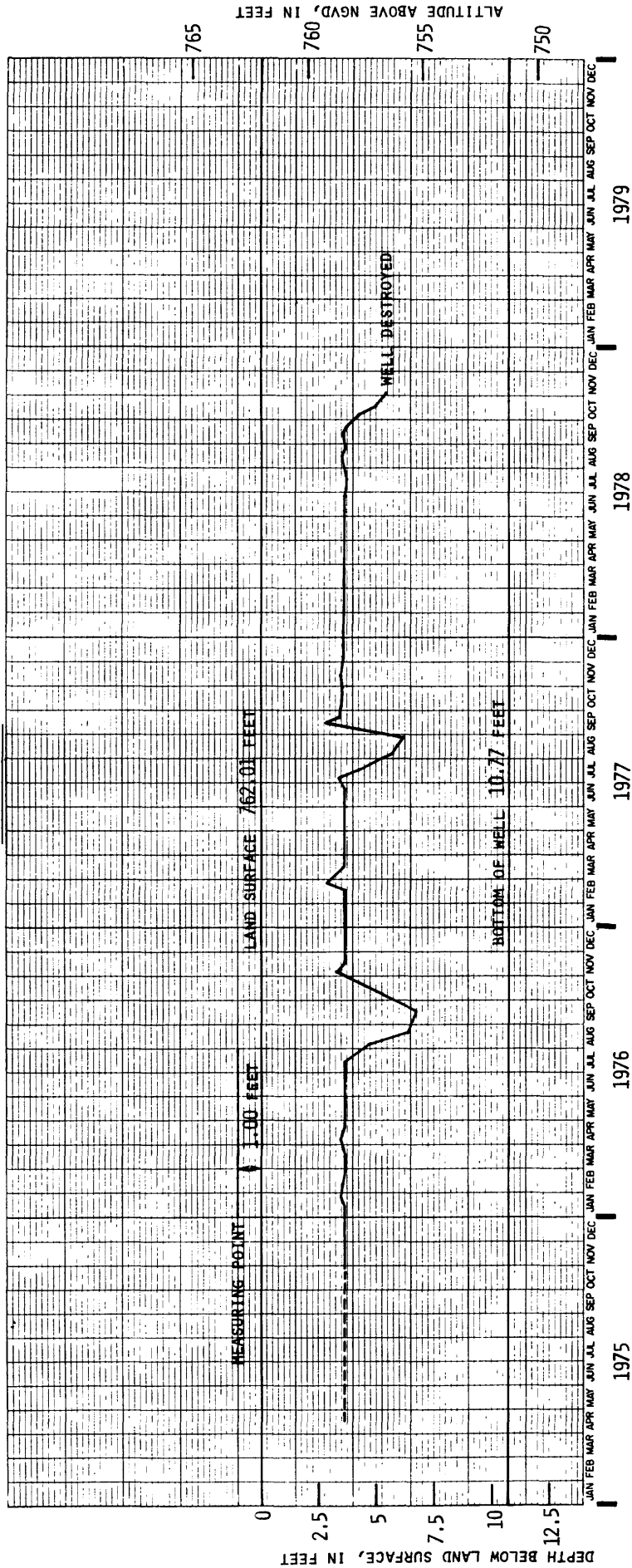




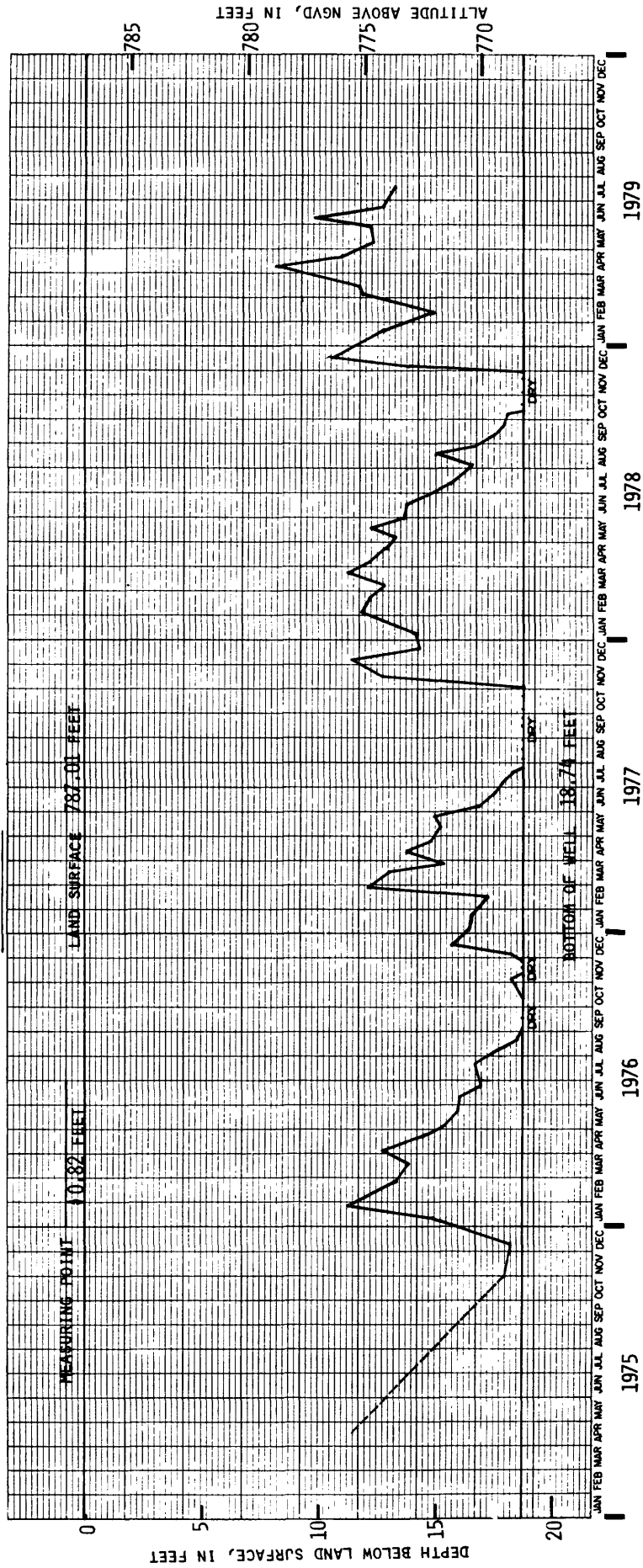
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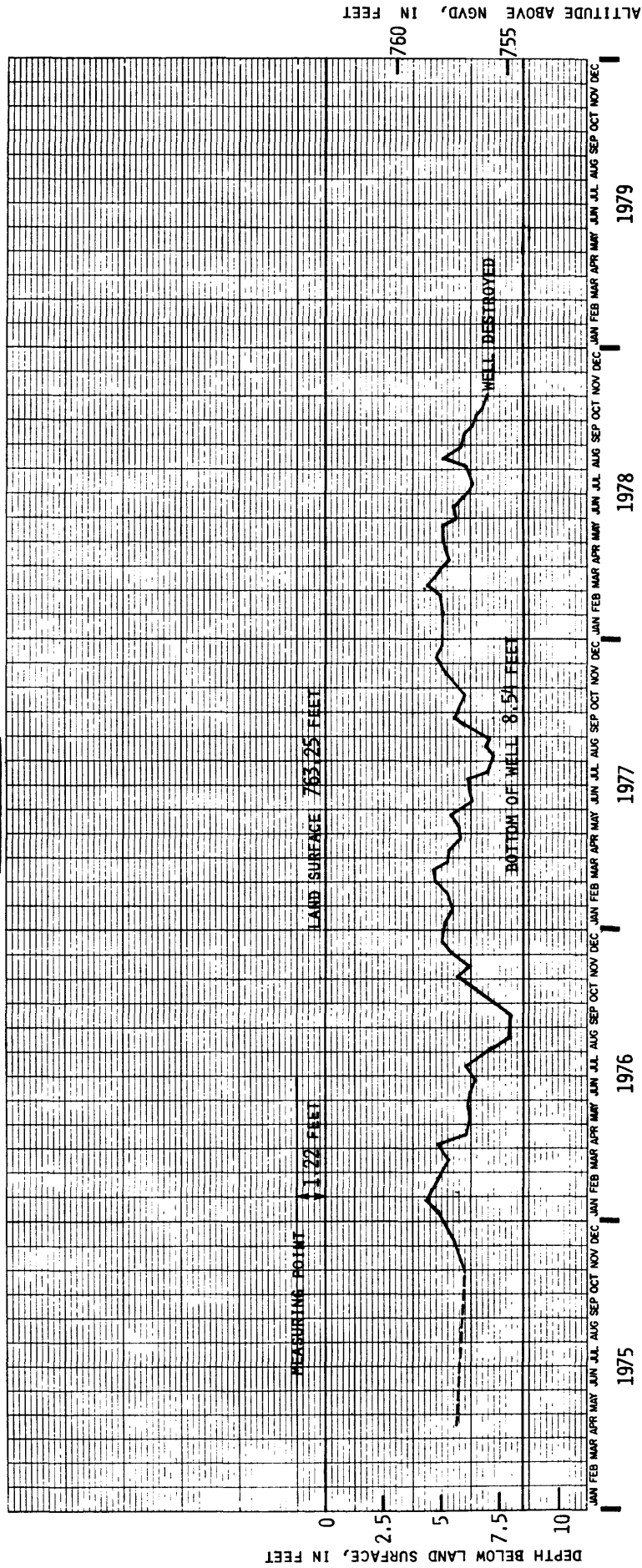
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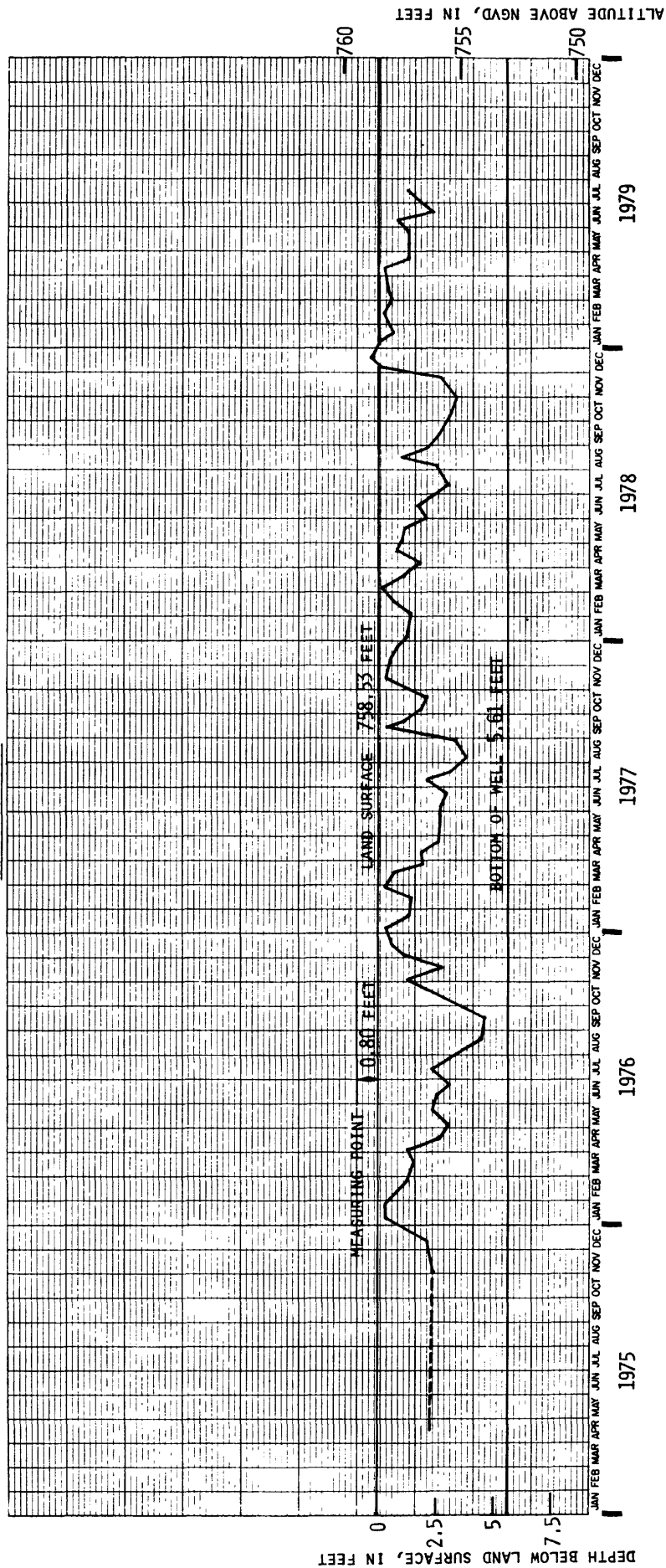


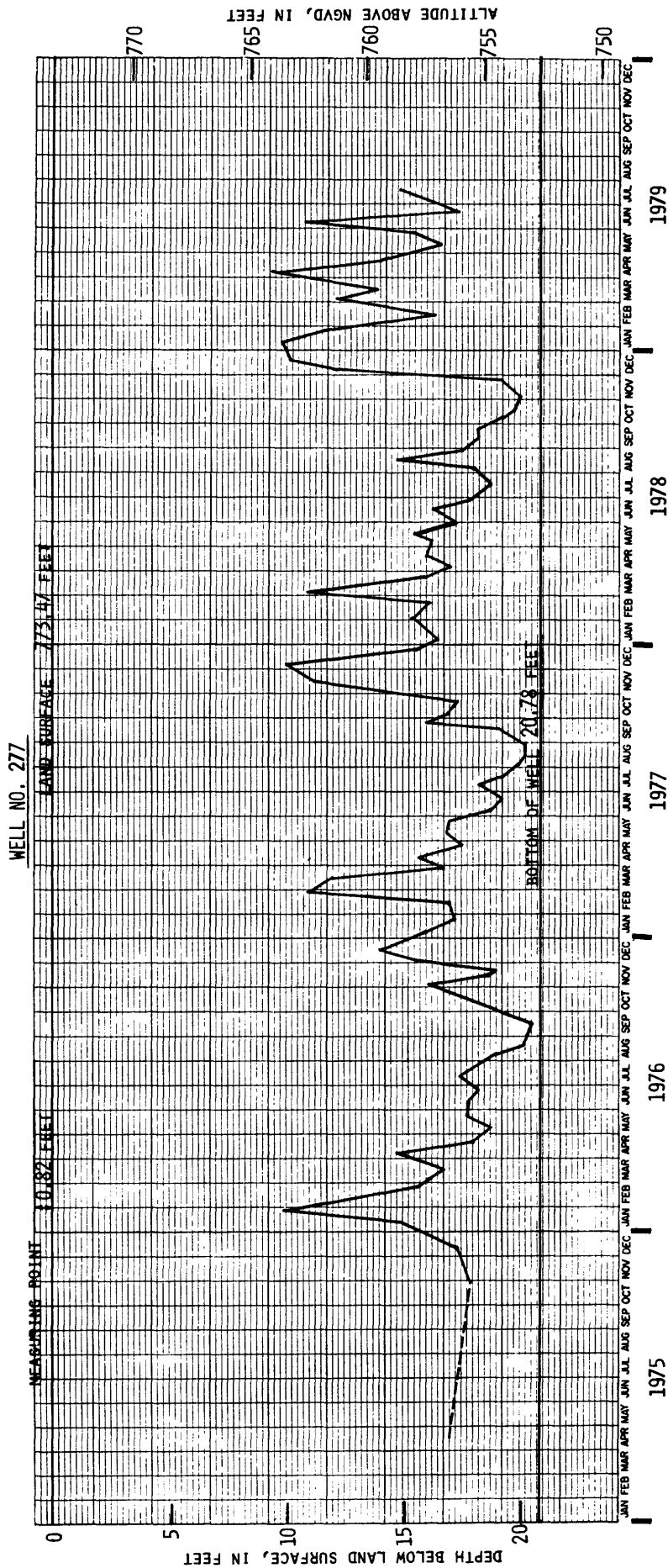
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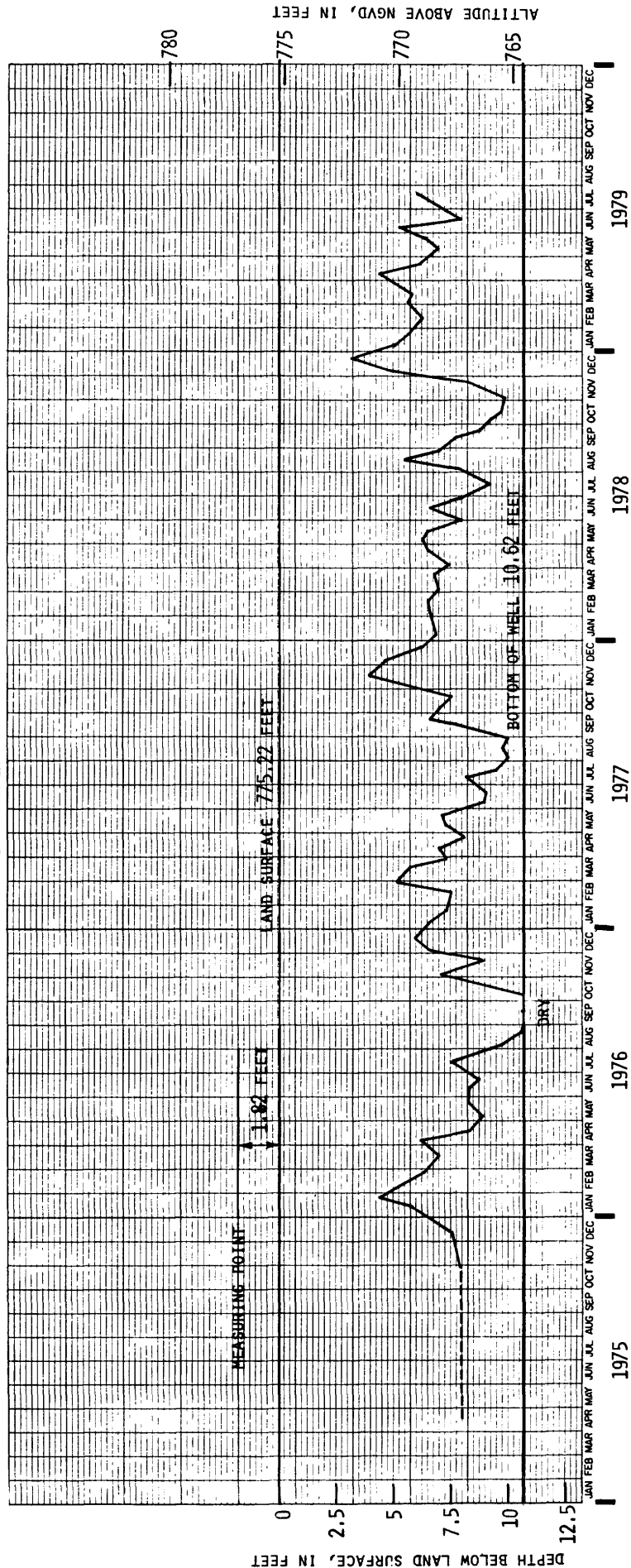
WELL NO. 275



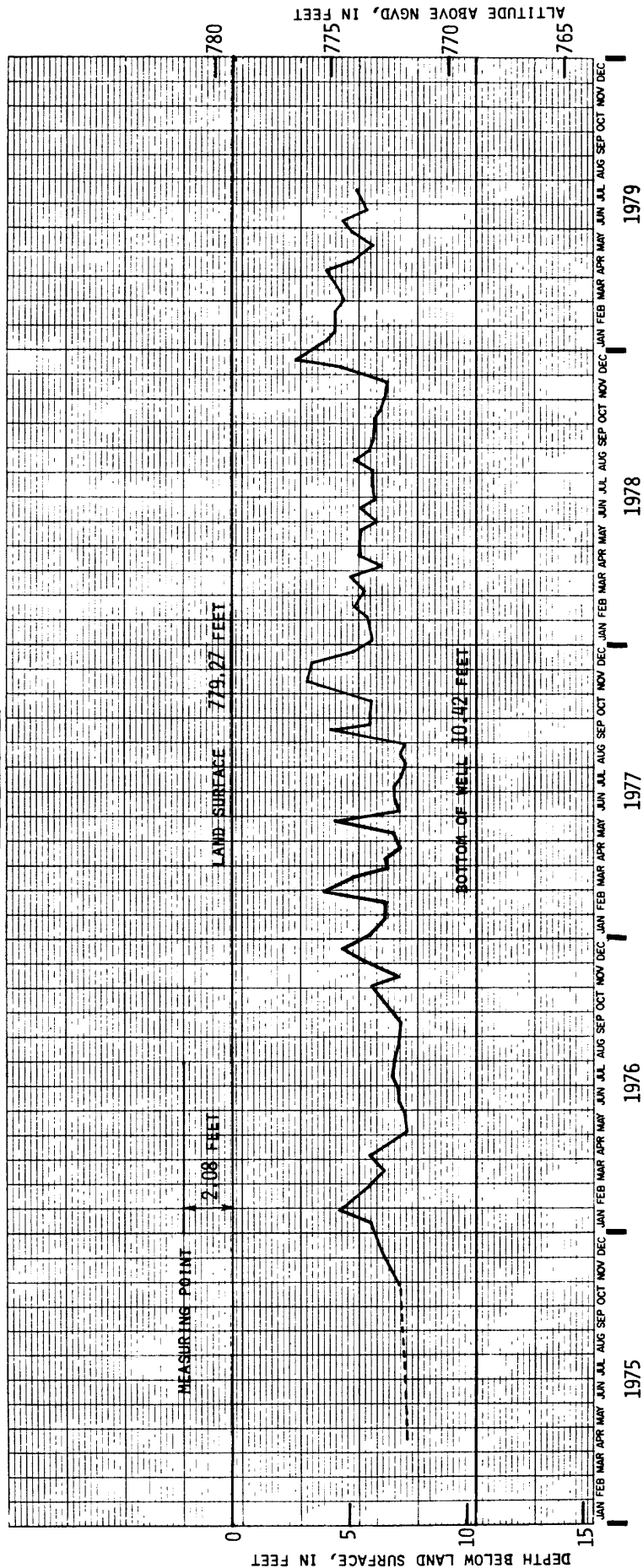




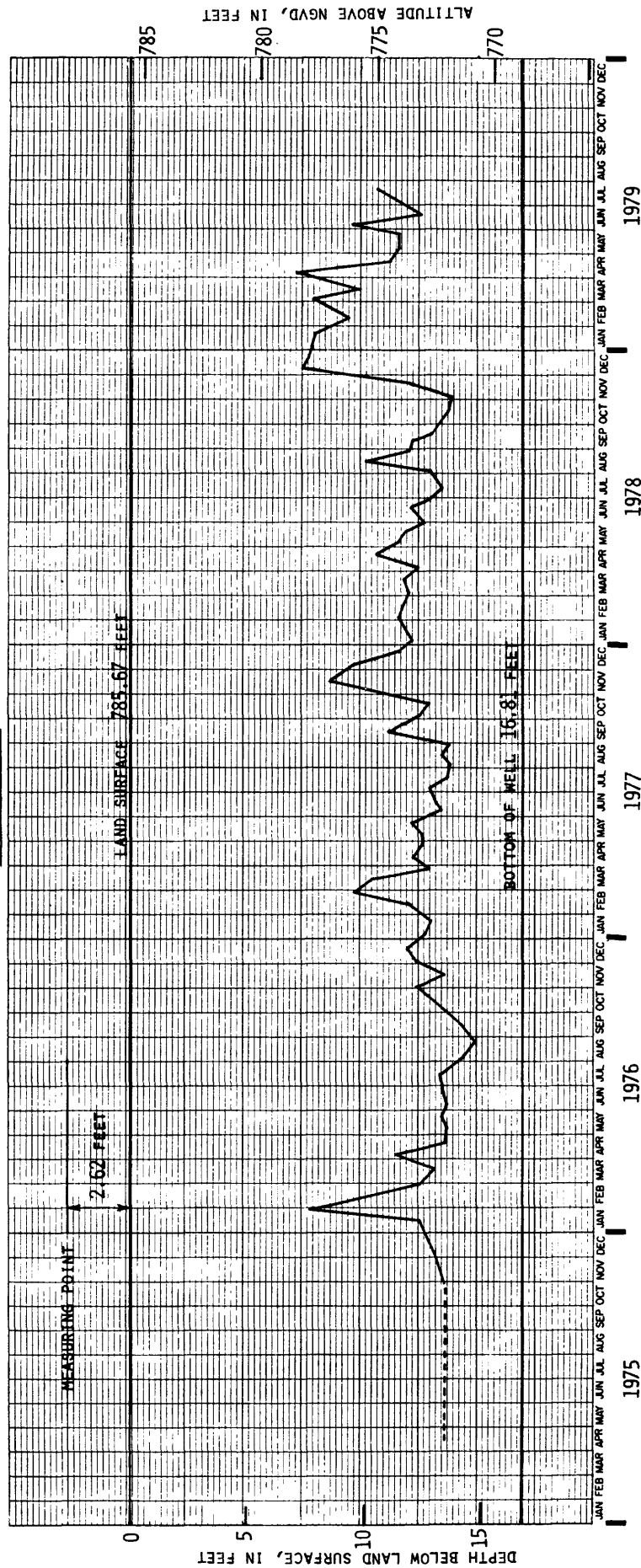
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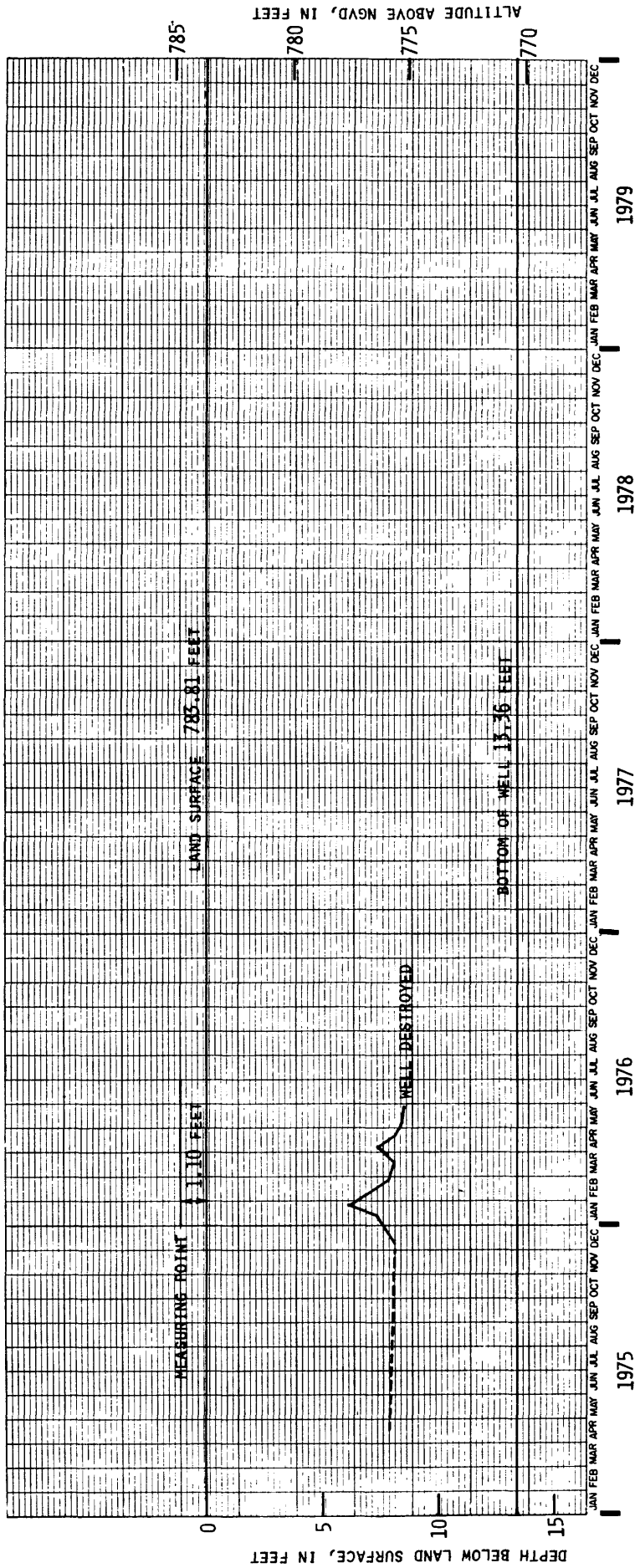
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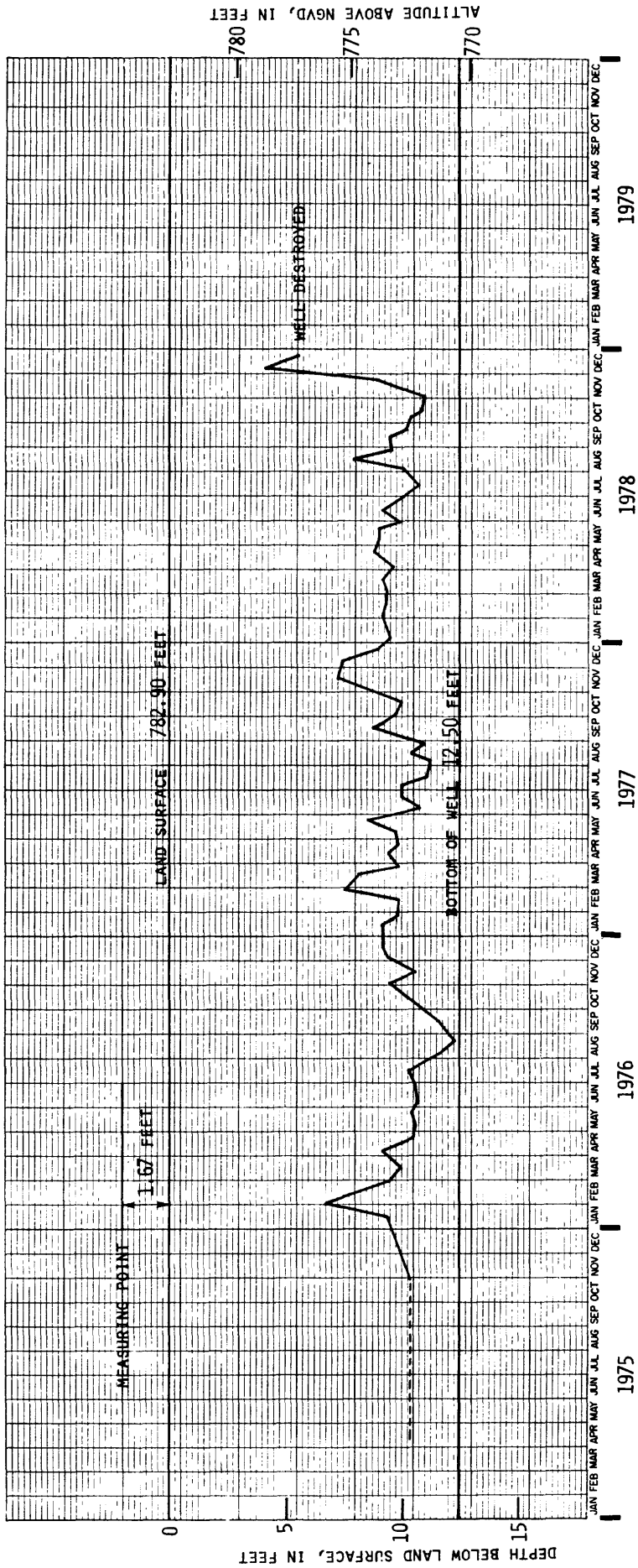
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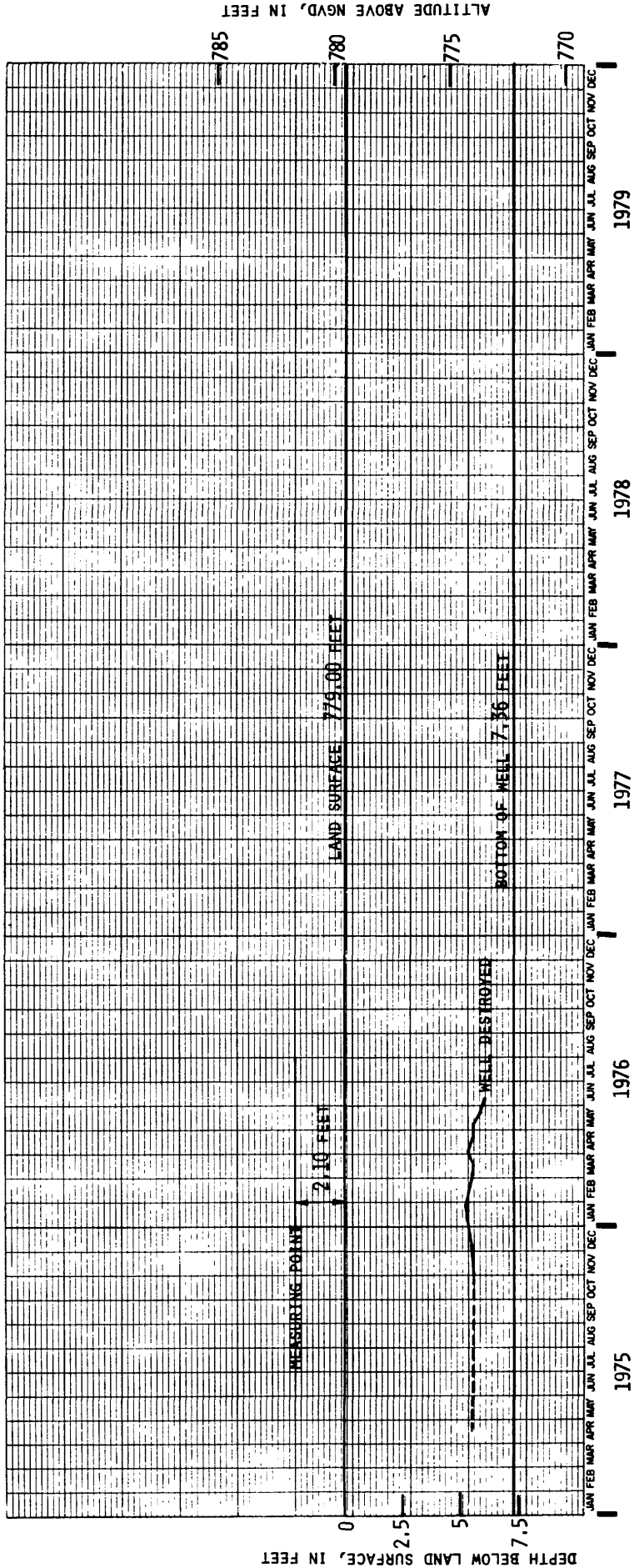
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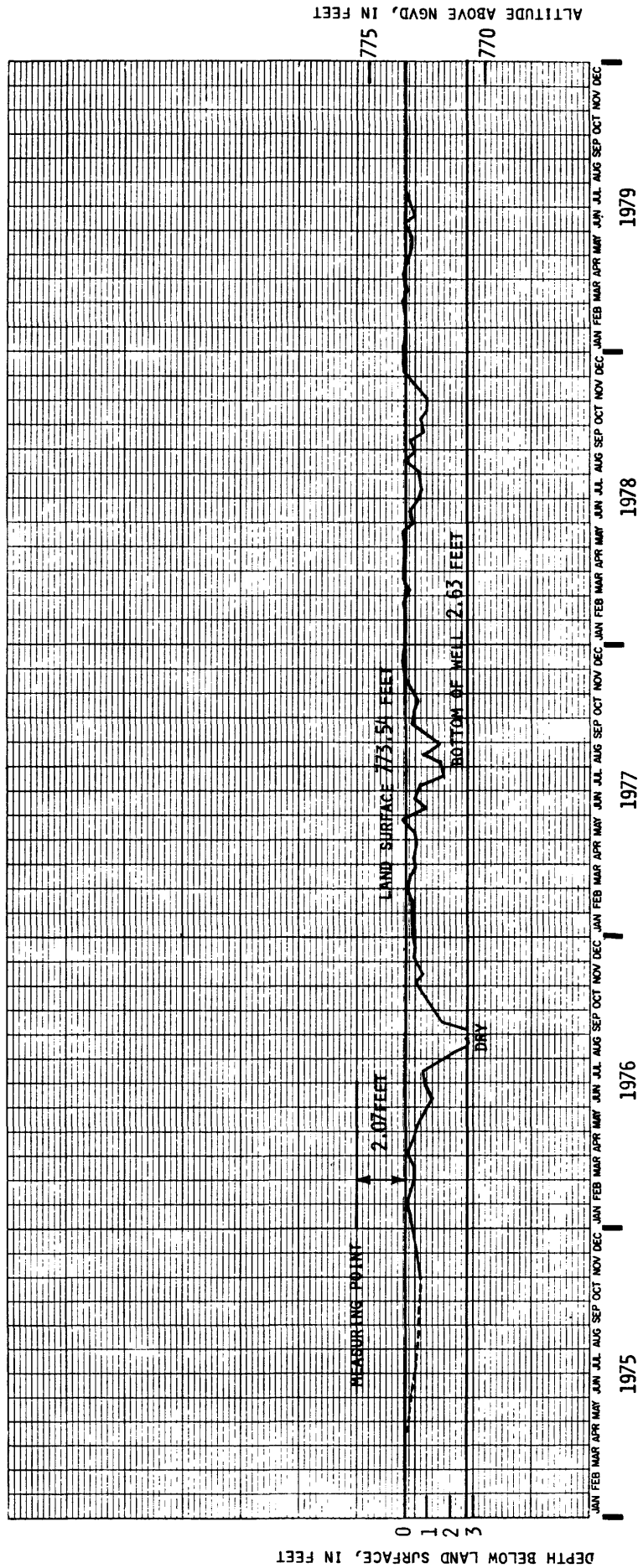
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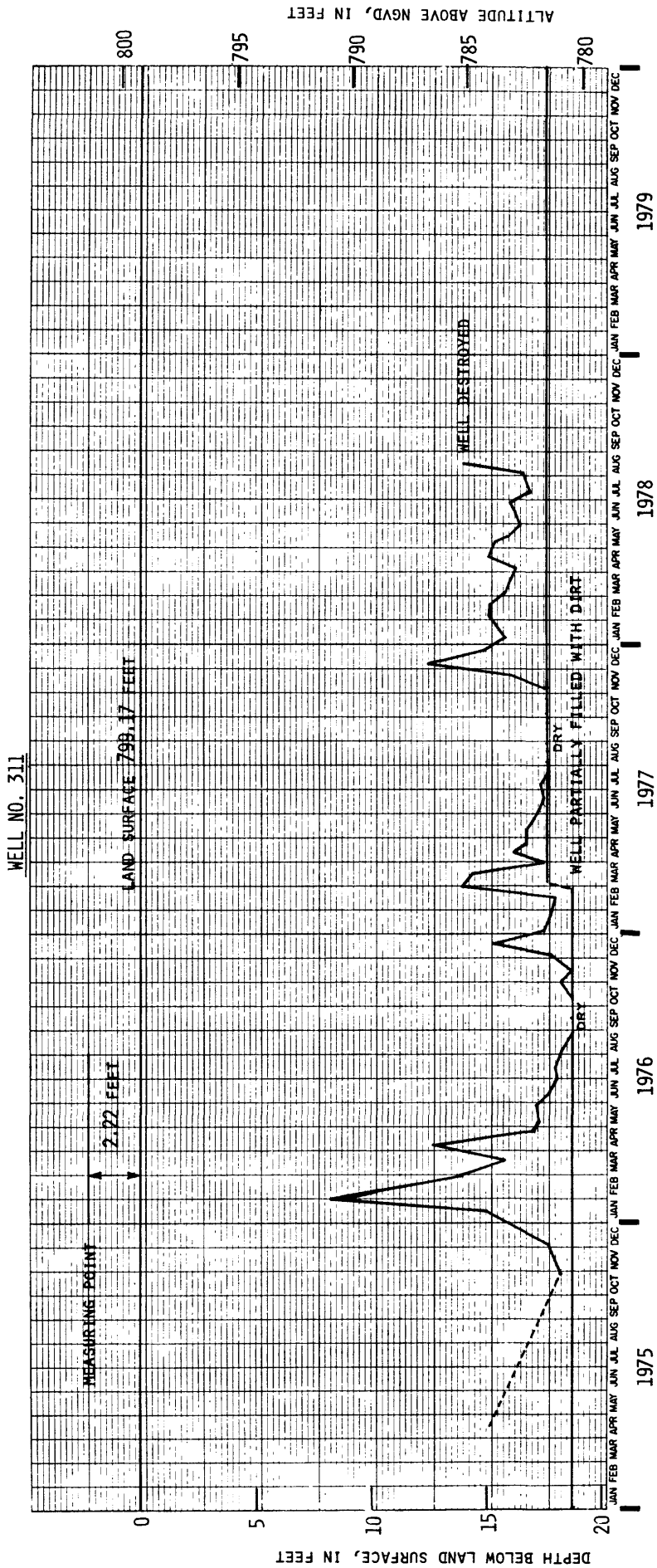


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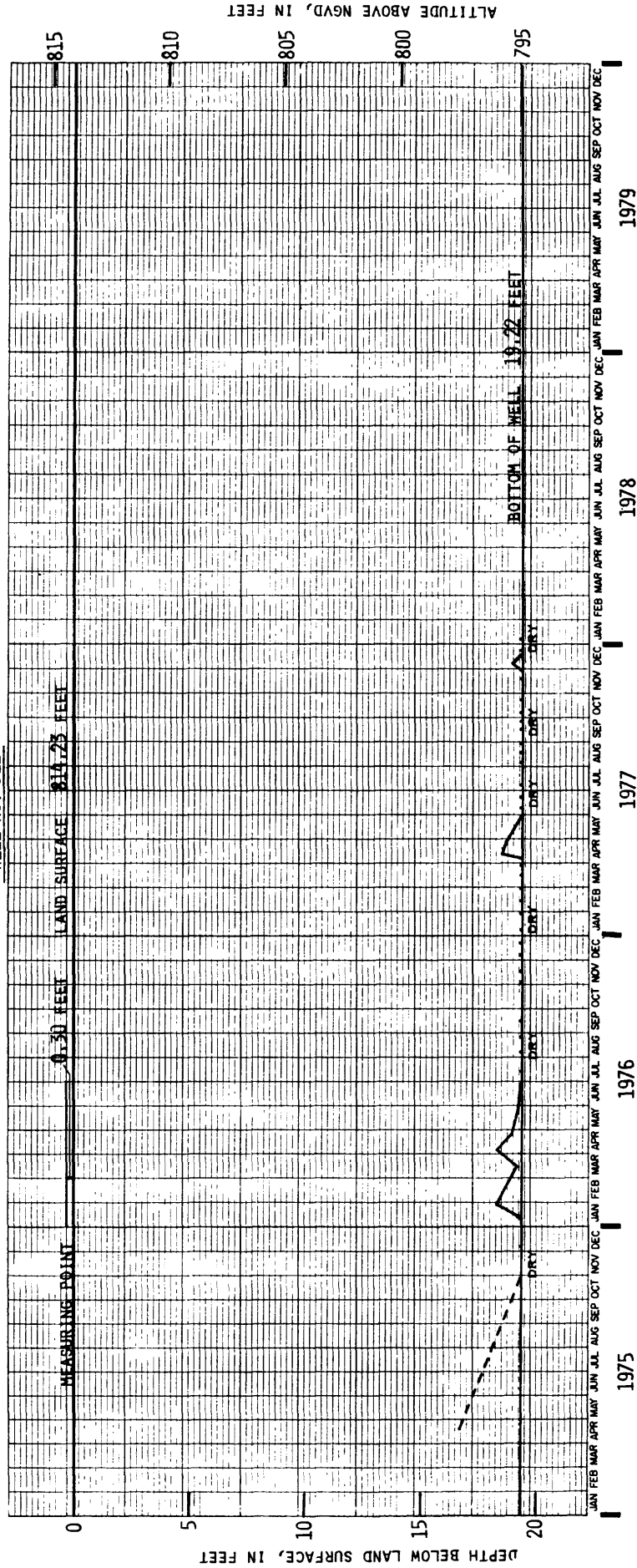


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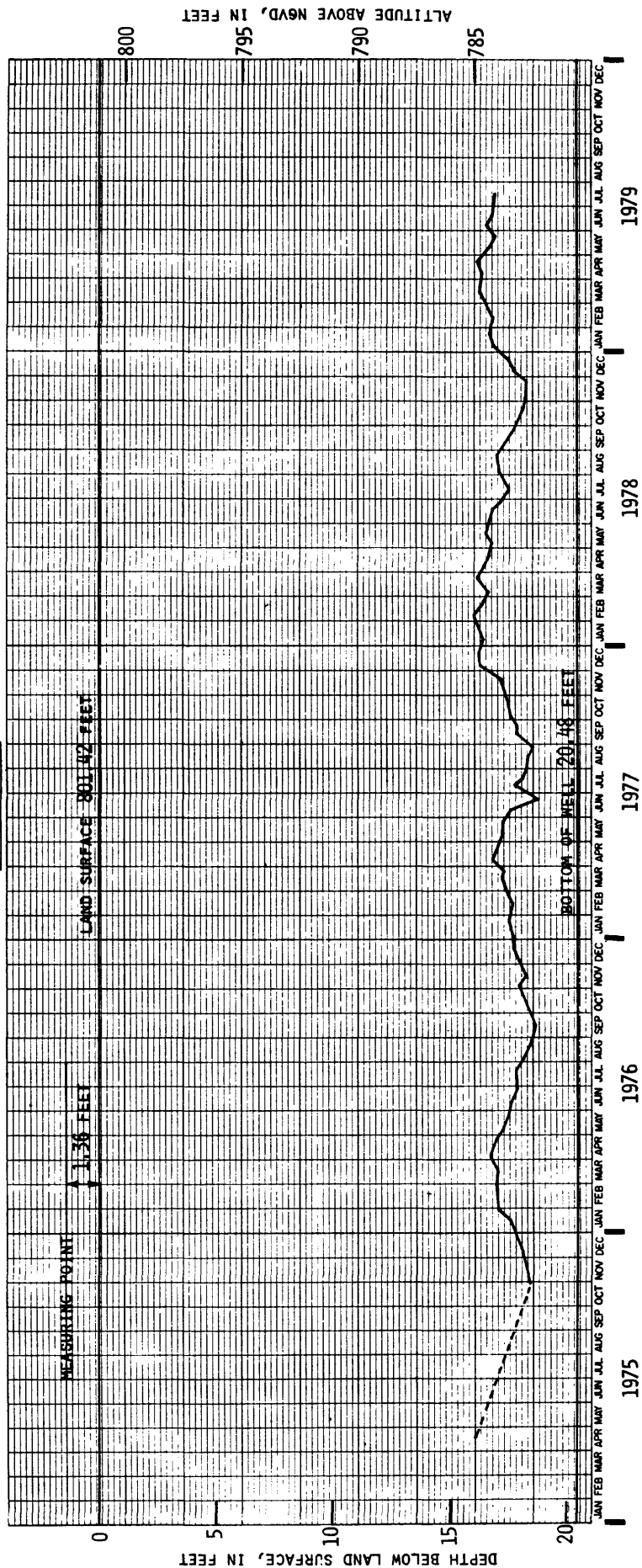




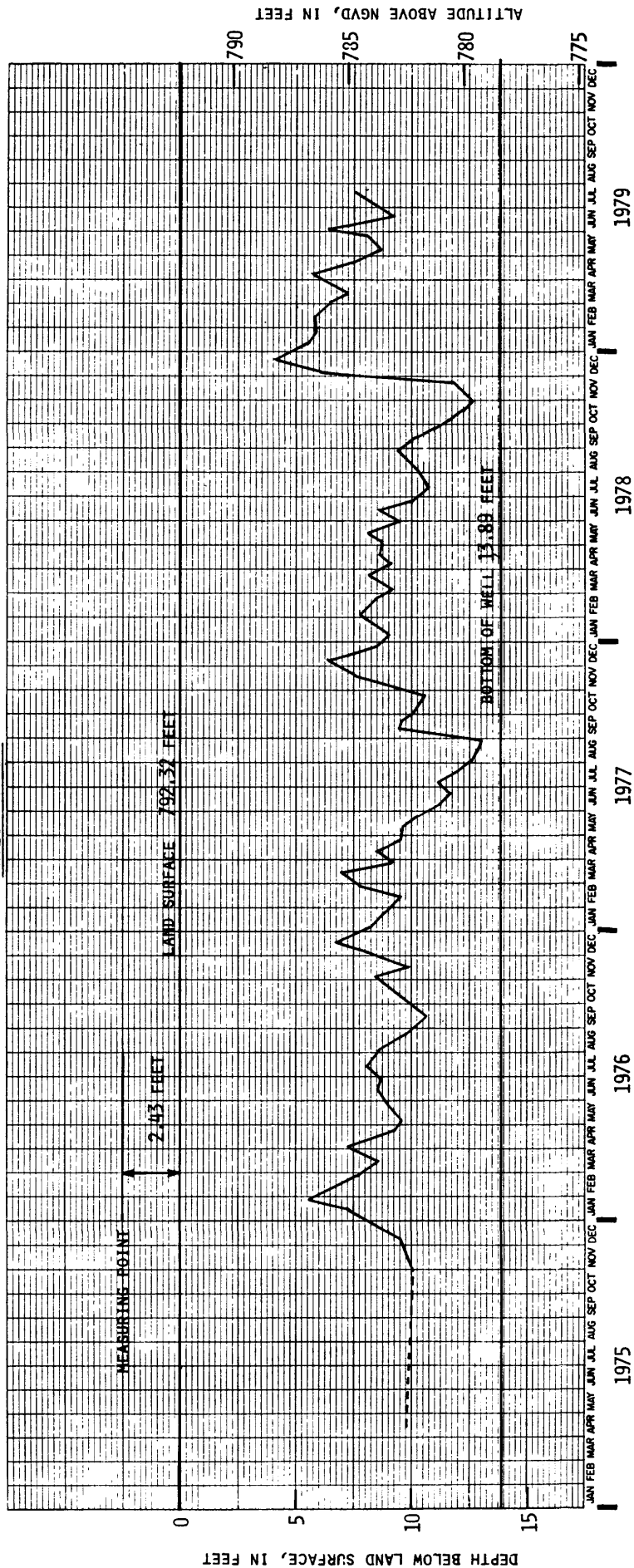
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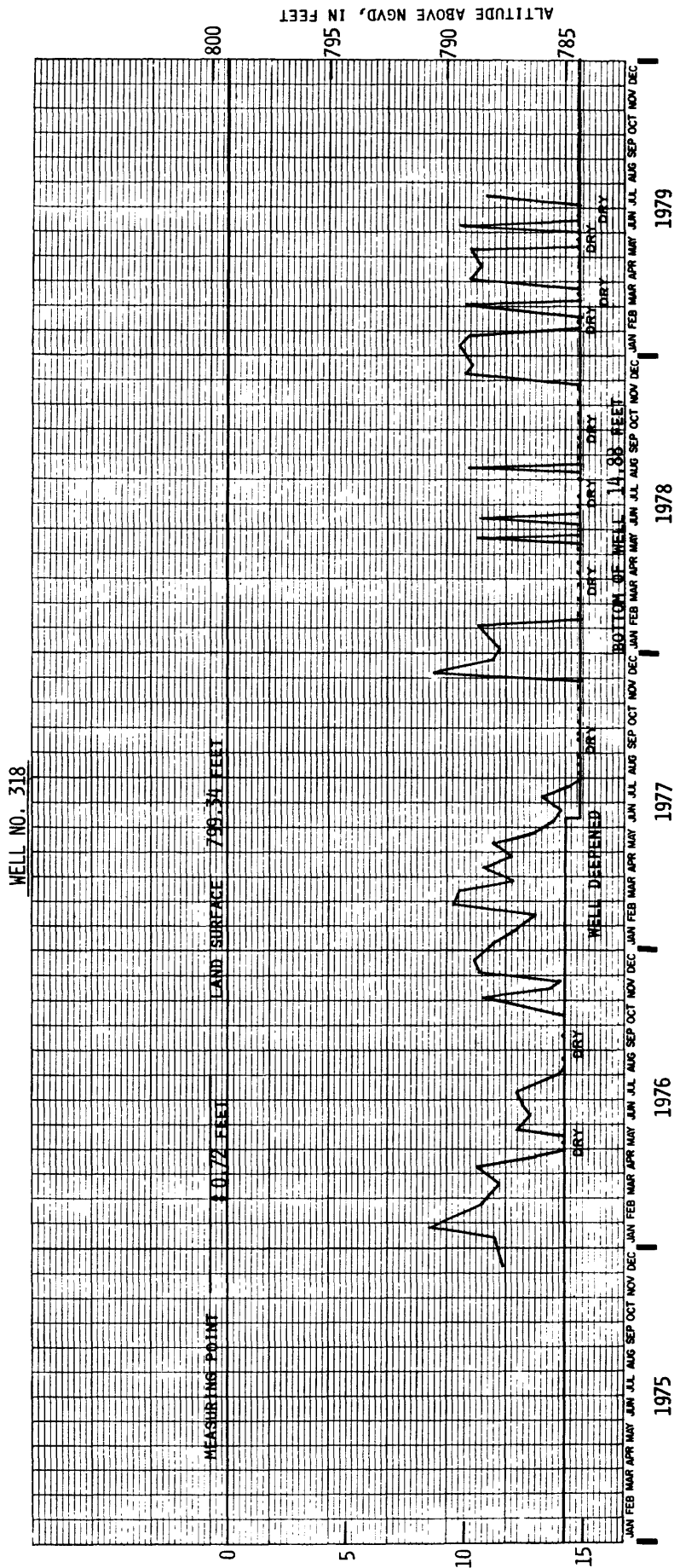


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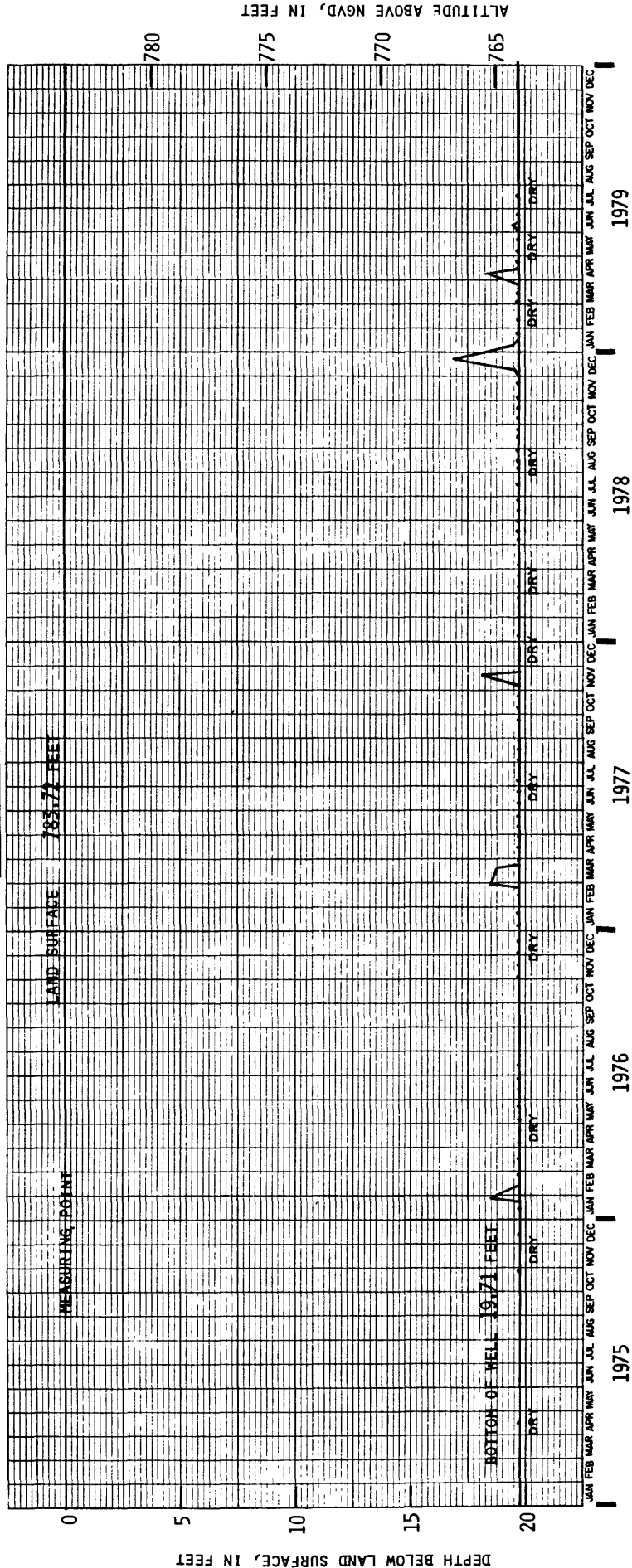


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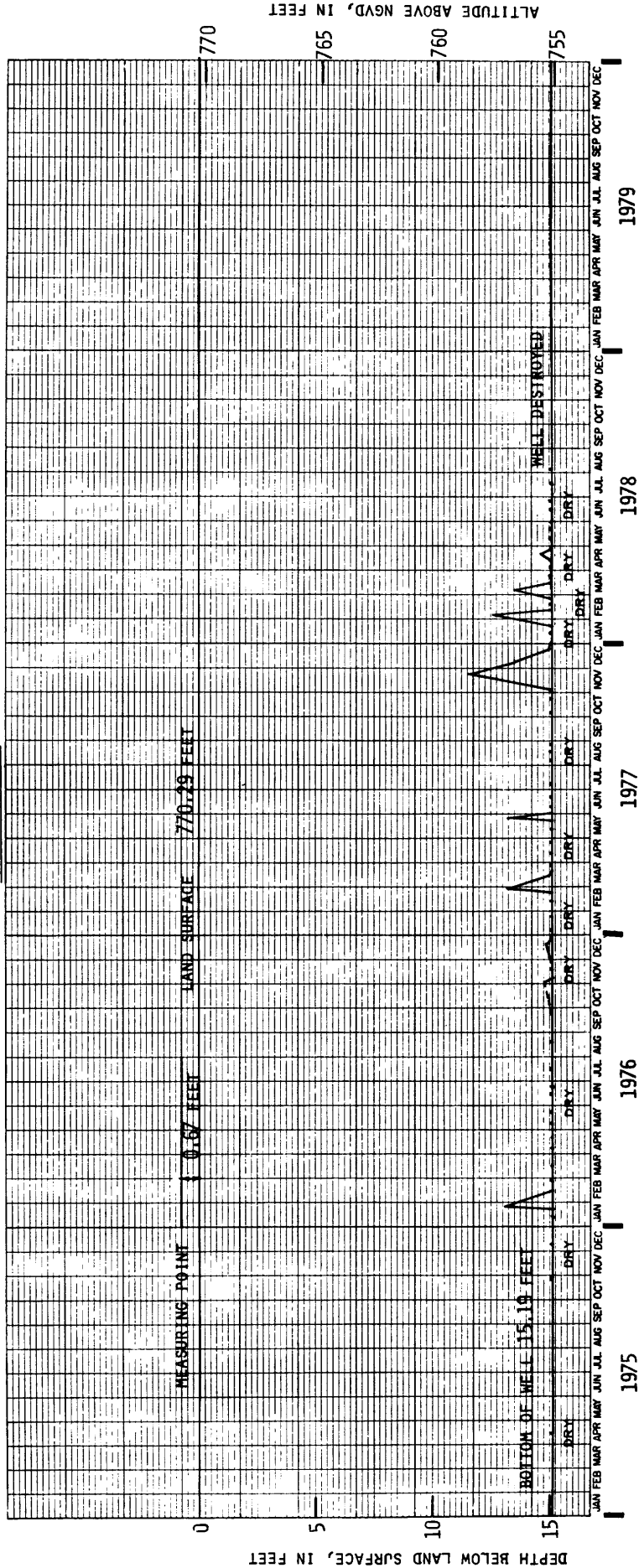


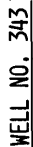


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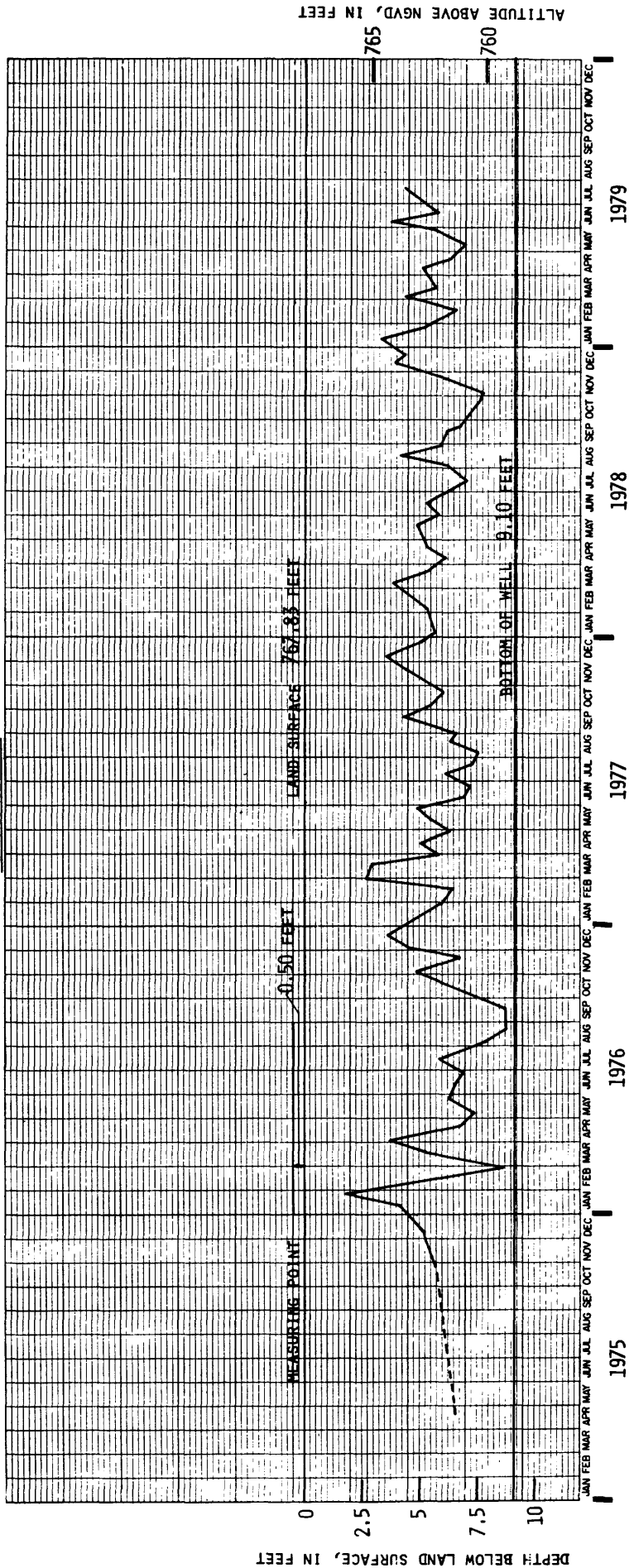


WELL NO. 342





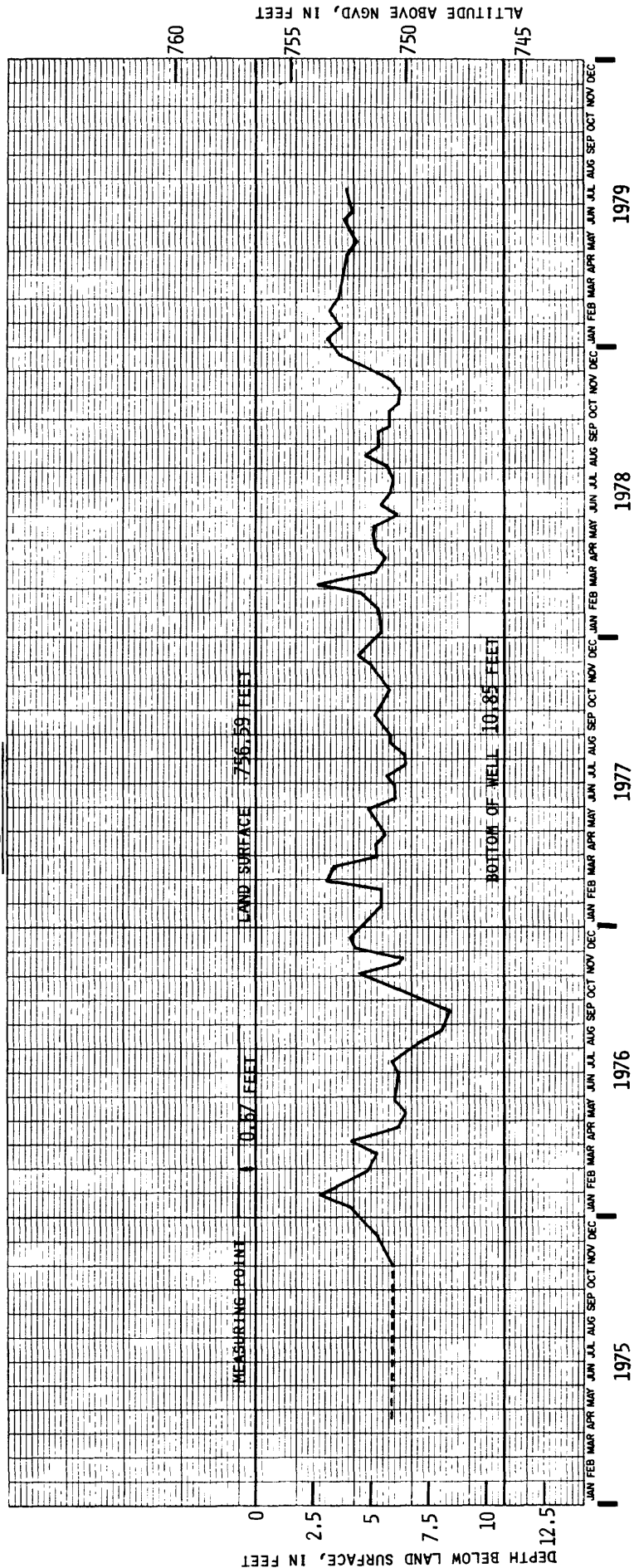
WELL NO. 344



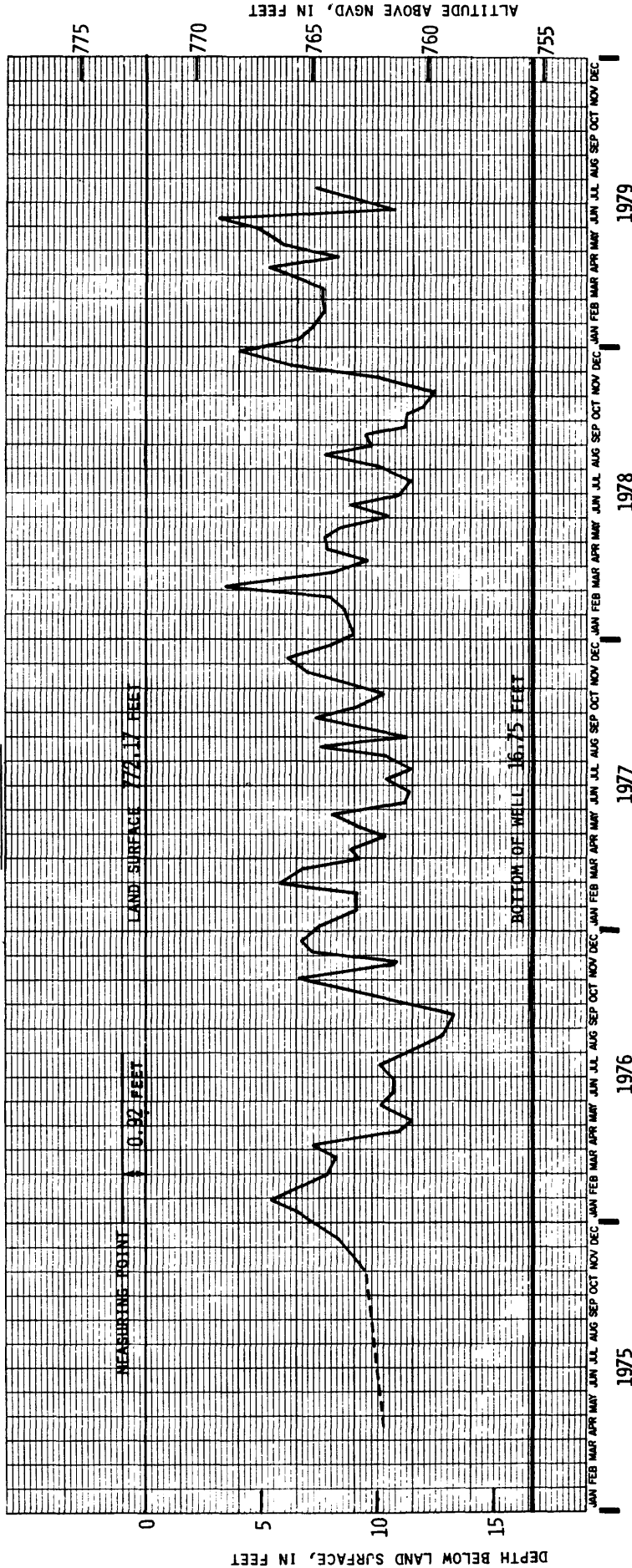
DEPTH BELOW LAND SURFACE, IN FEET

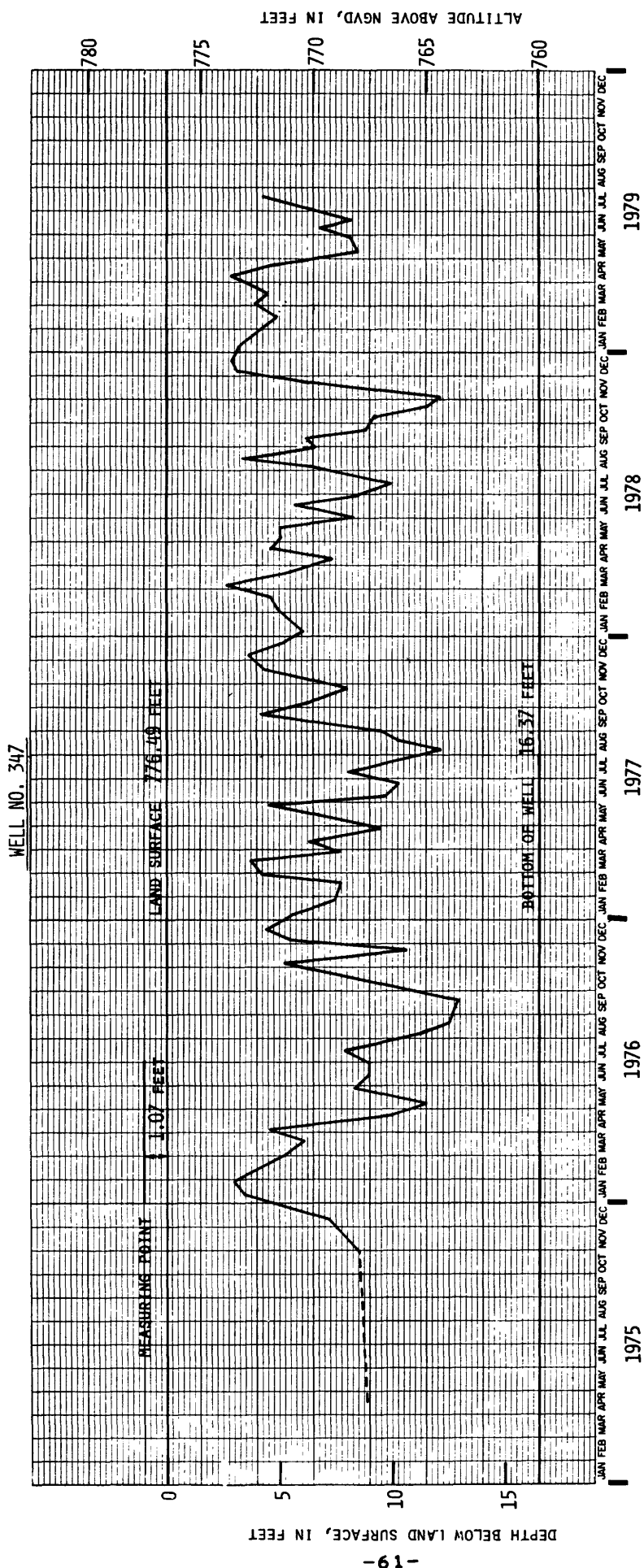
ALTITUDE ABOVE NGVD, IN FEET

WELL NO. 345

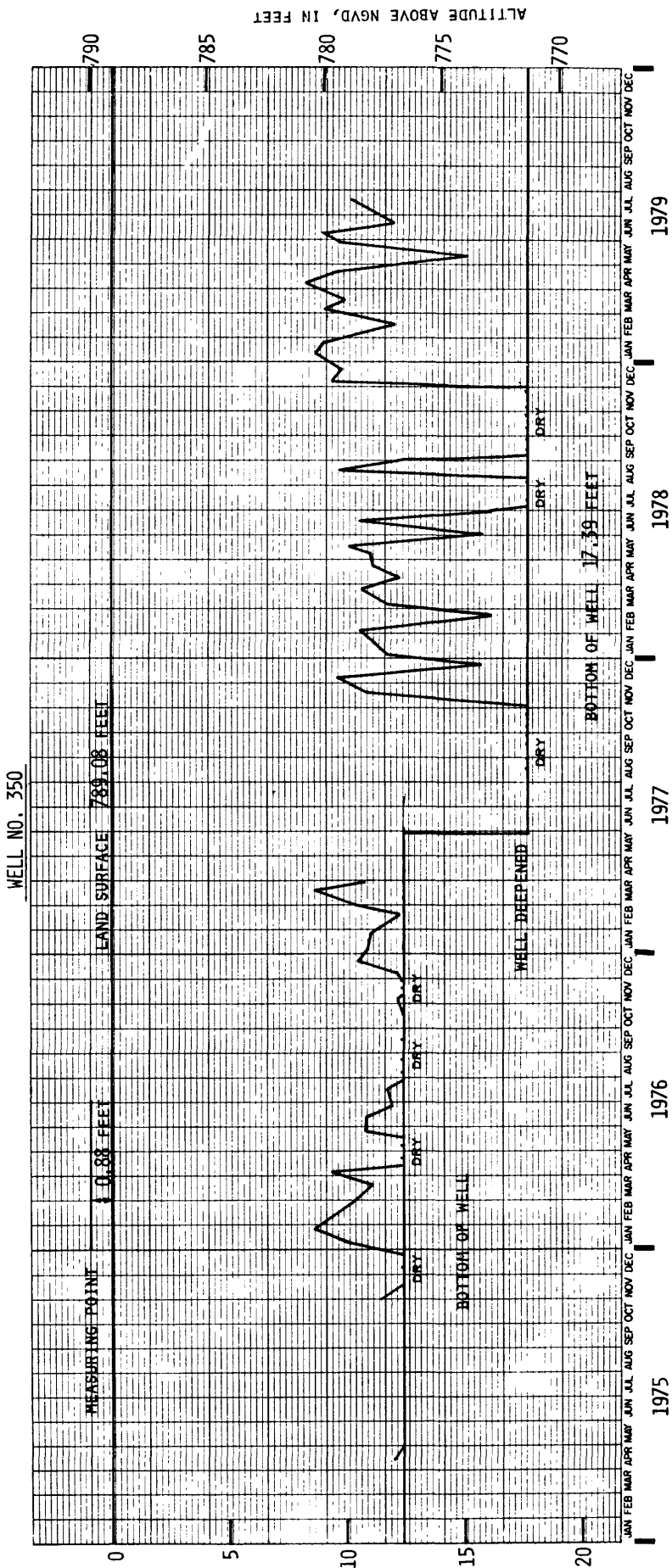


WELL NO. 346

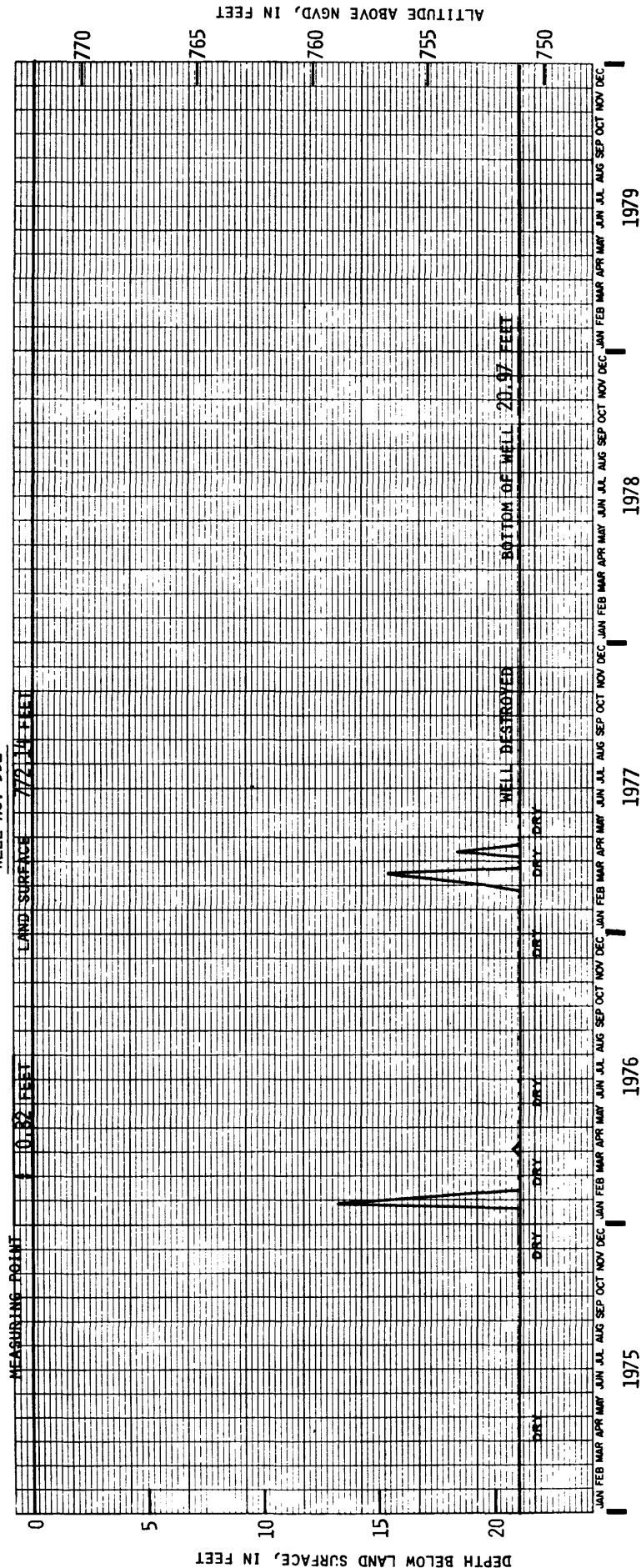


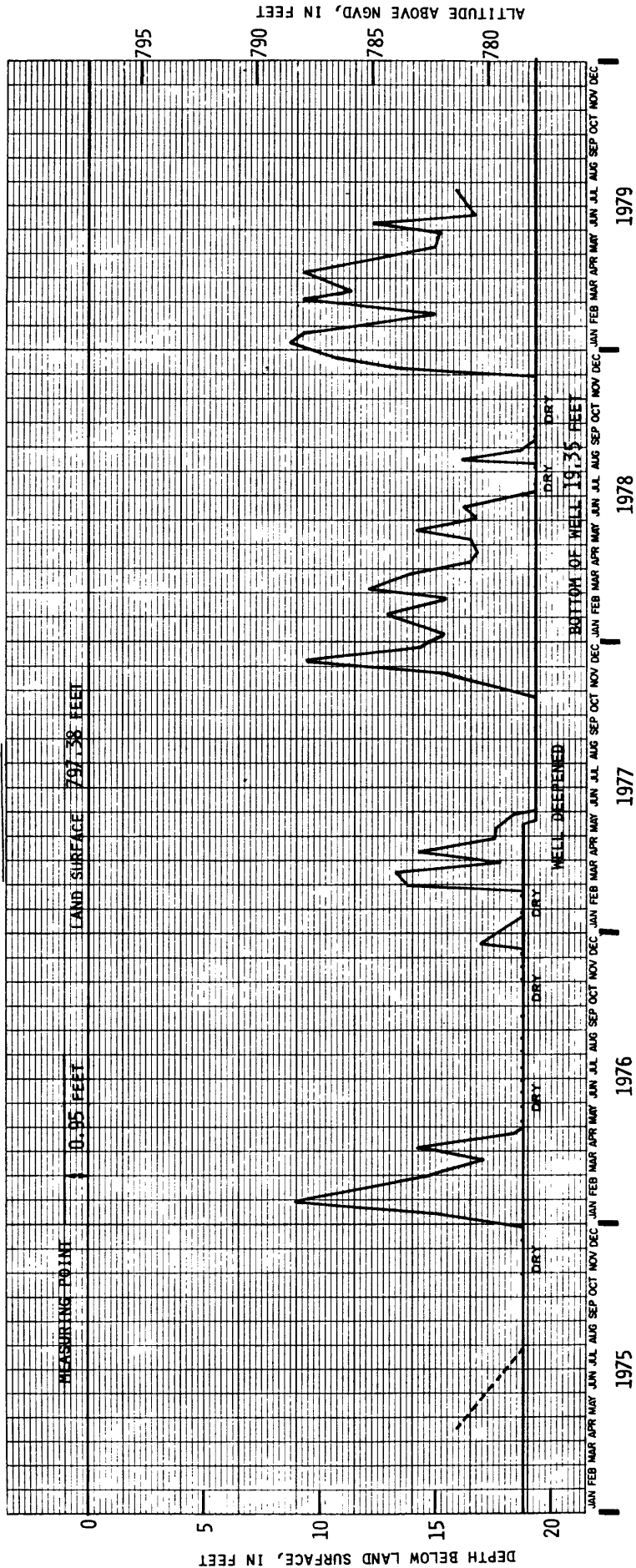


DEPTH BELOW LAND SURFACE, IN FEET

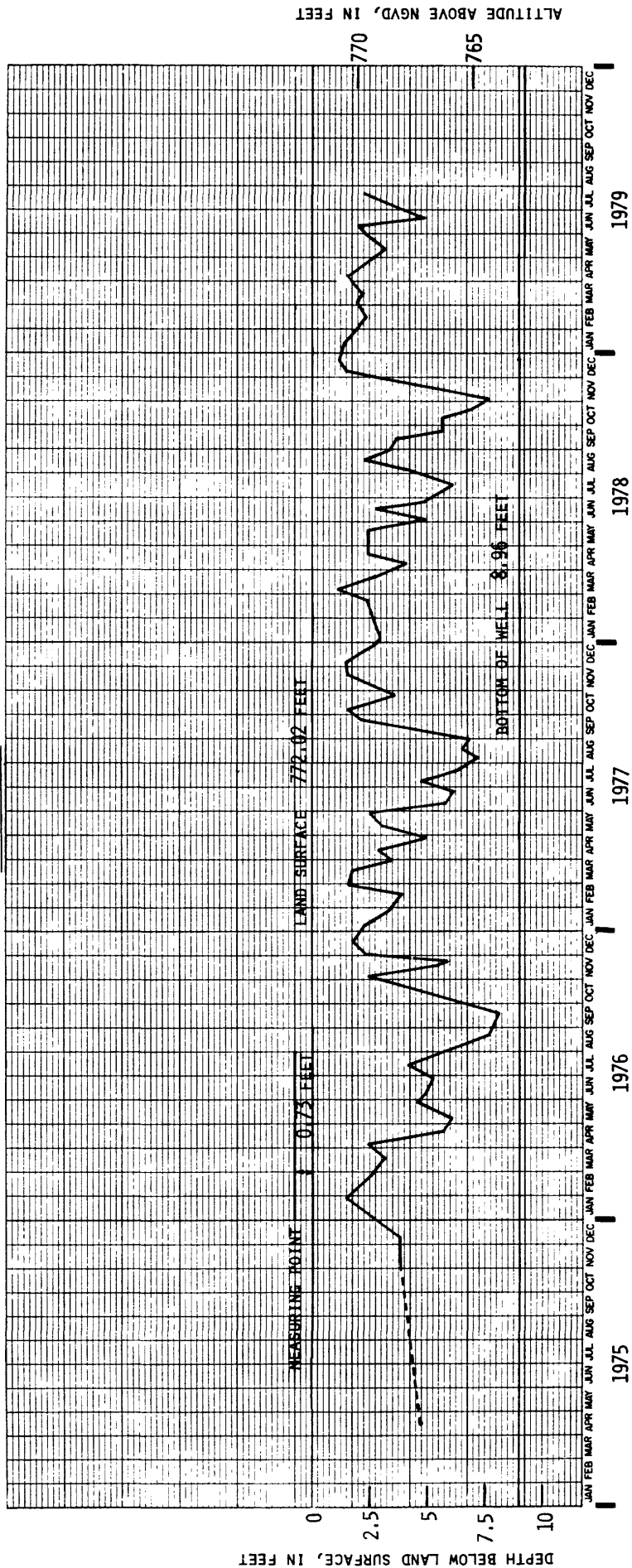


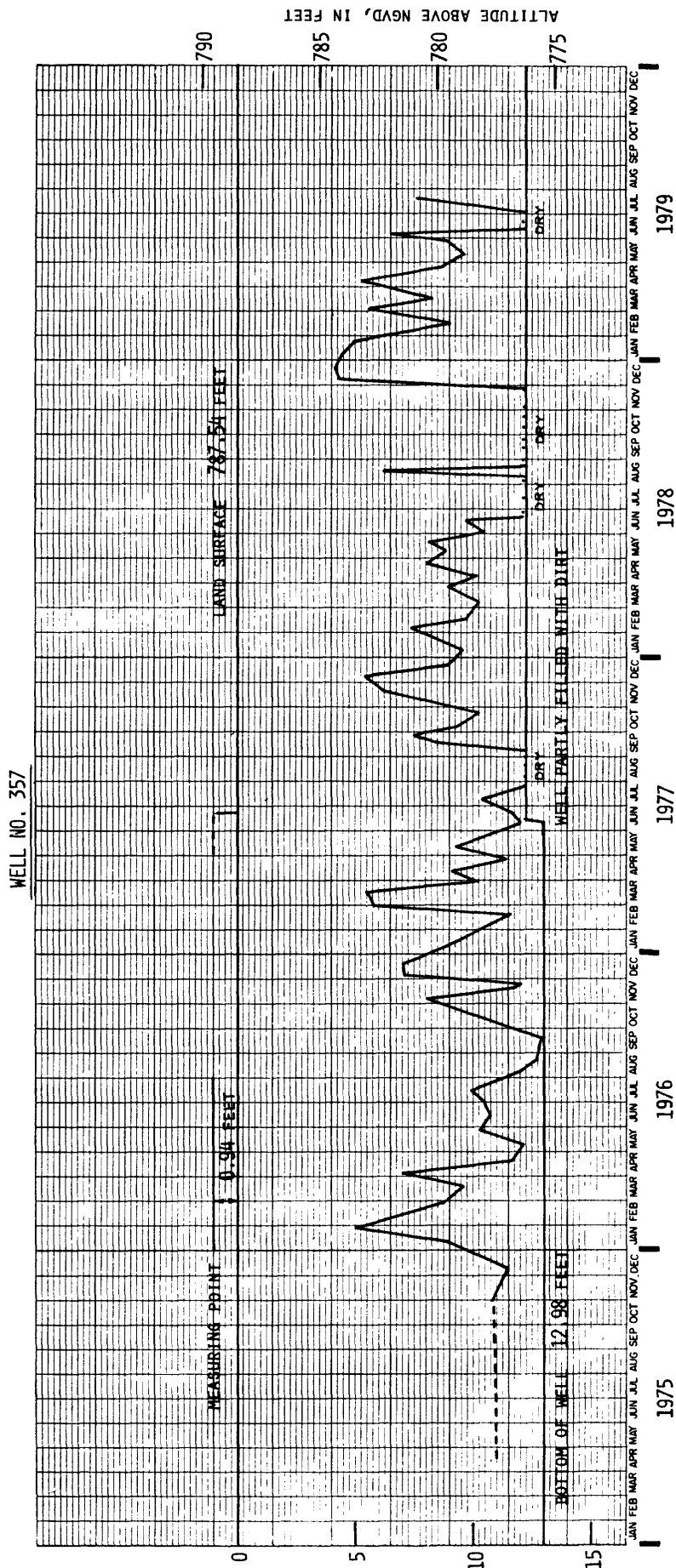
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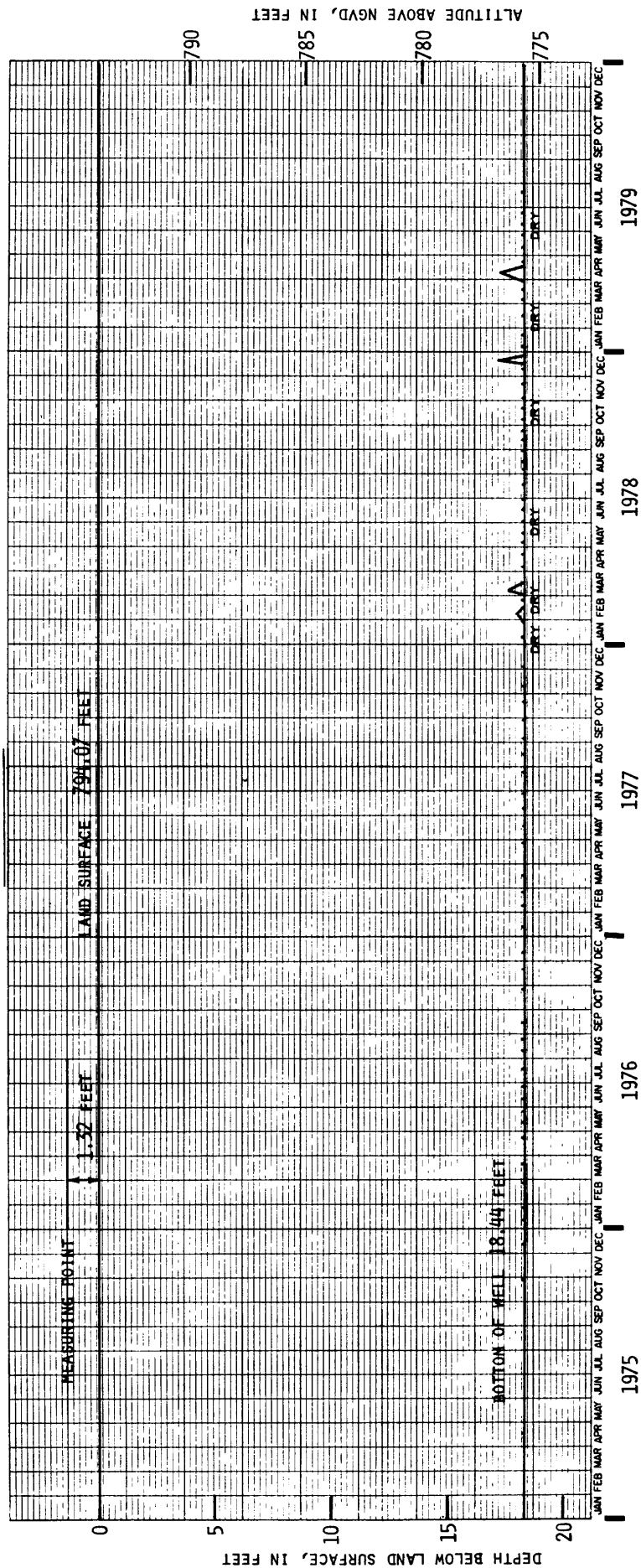




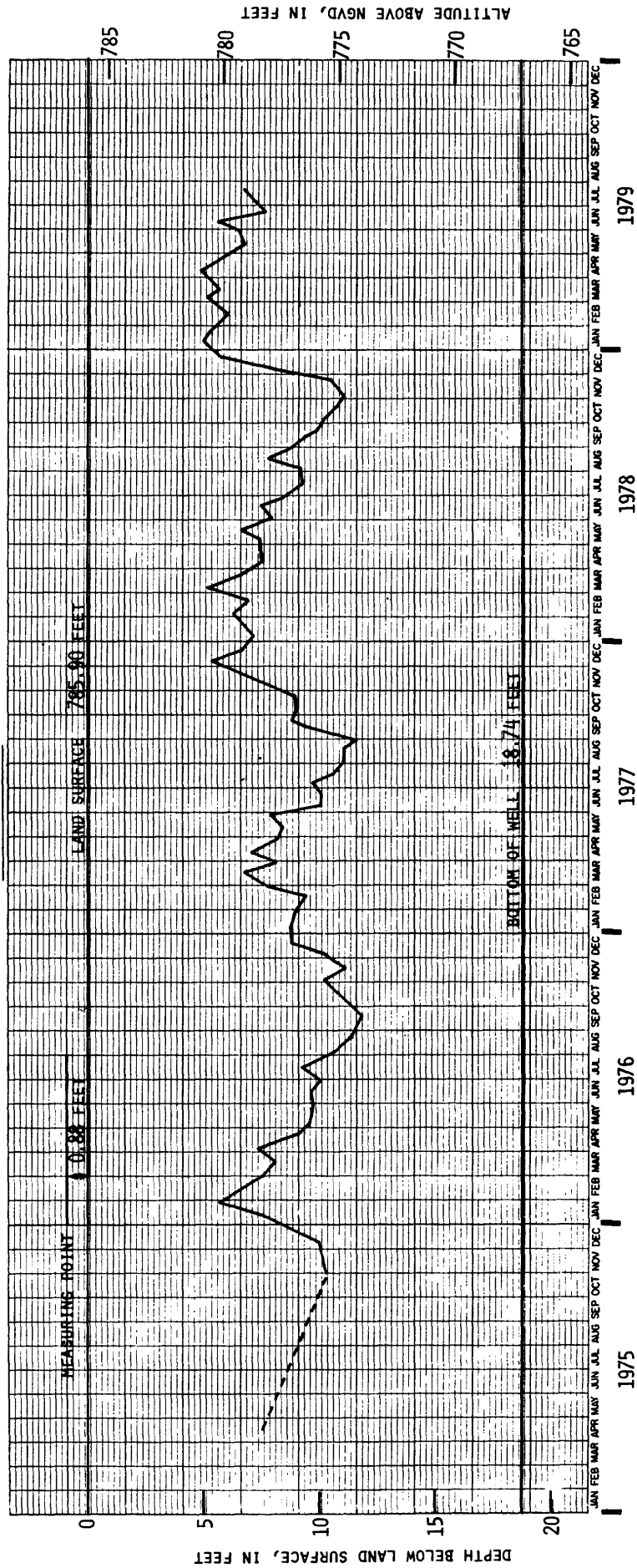
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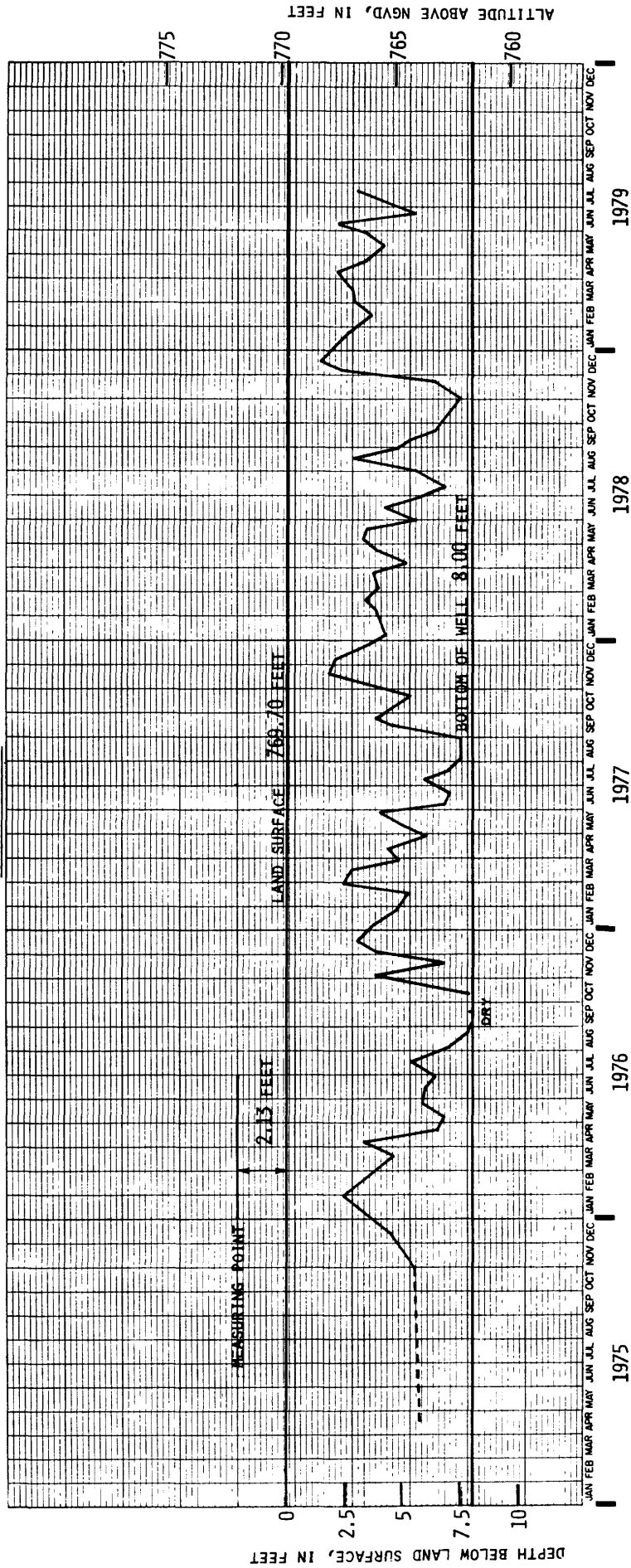




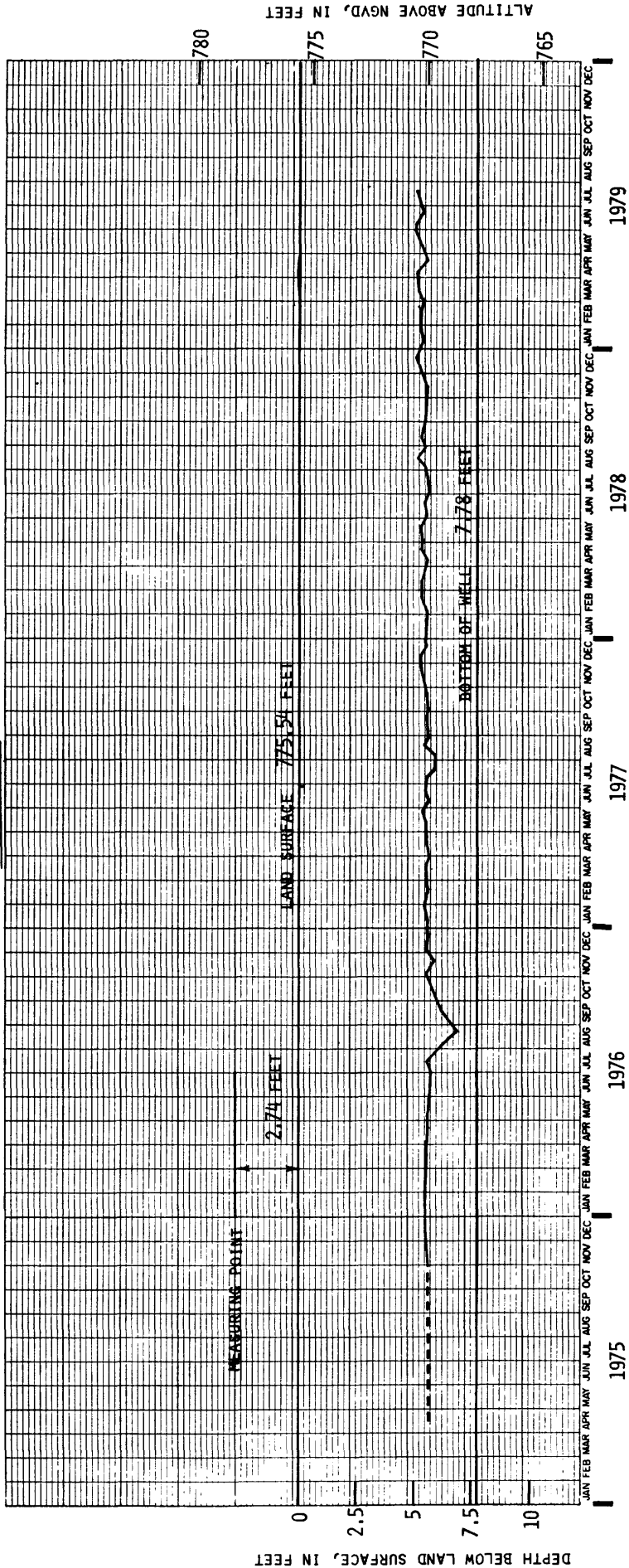
WELL NO. 359



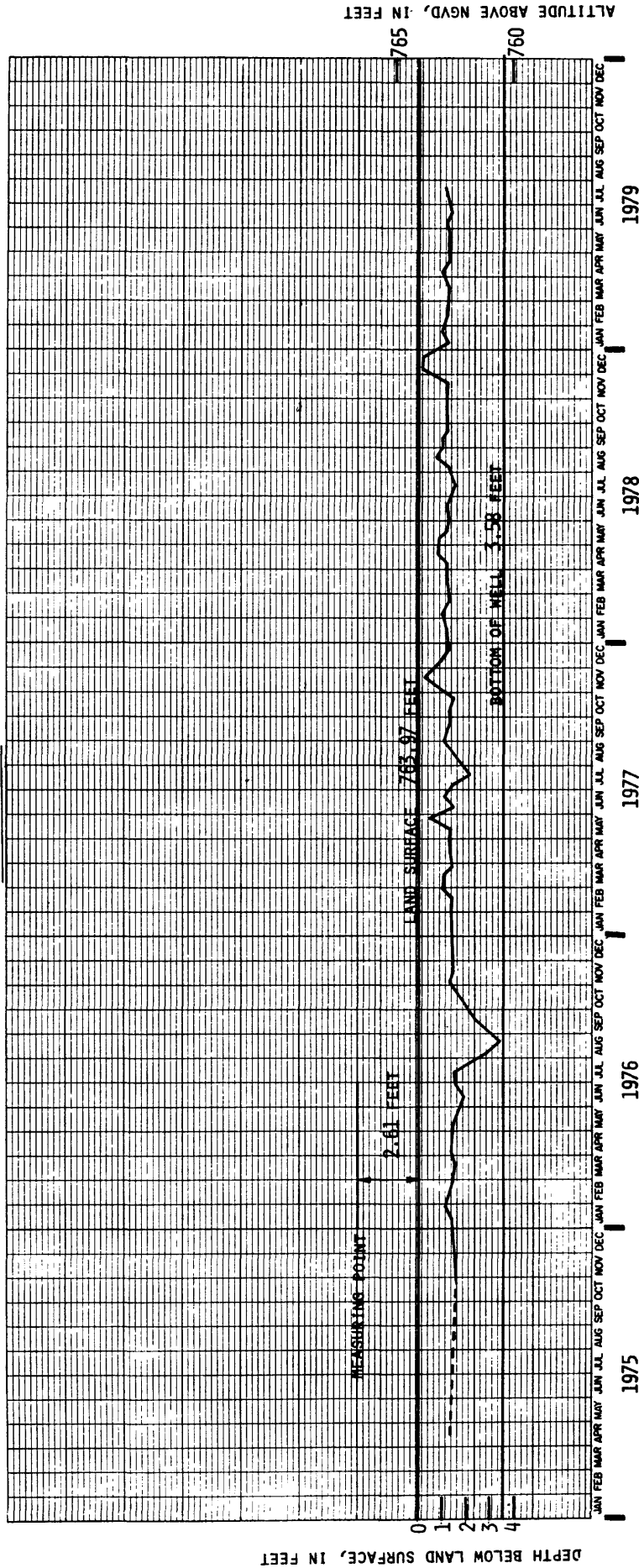
WELL NO. 361



WELL NO. 362



WELL NO. 363



DEPTH BELOW LAND SURFACE, IN FEET

MEASURING POINT

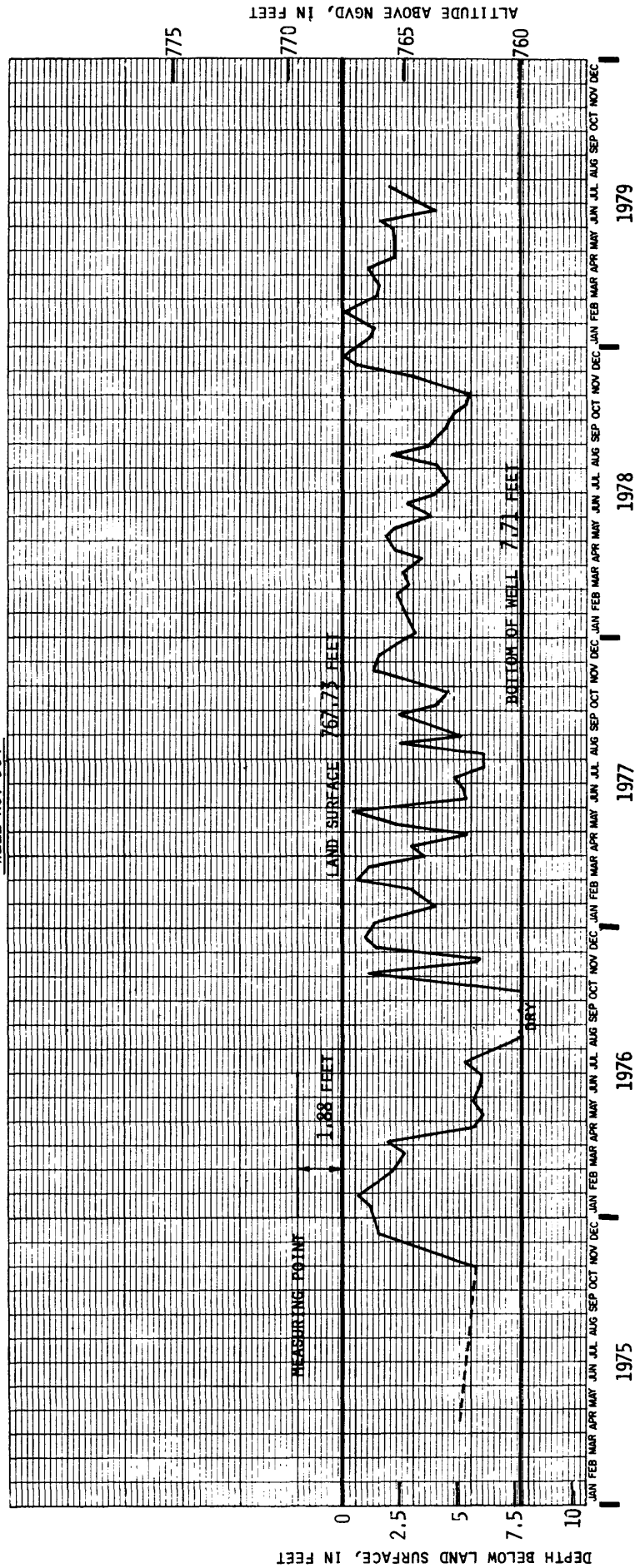
2.61 FEET

LAND SURFACE 763.97 FEET

BOTTOM OF WELL 3.58 FEET

ALTITUDE ABOVE NGVD, IN FEET

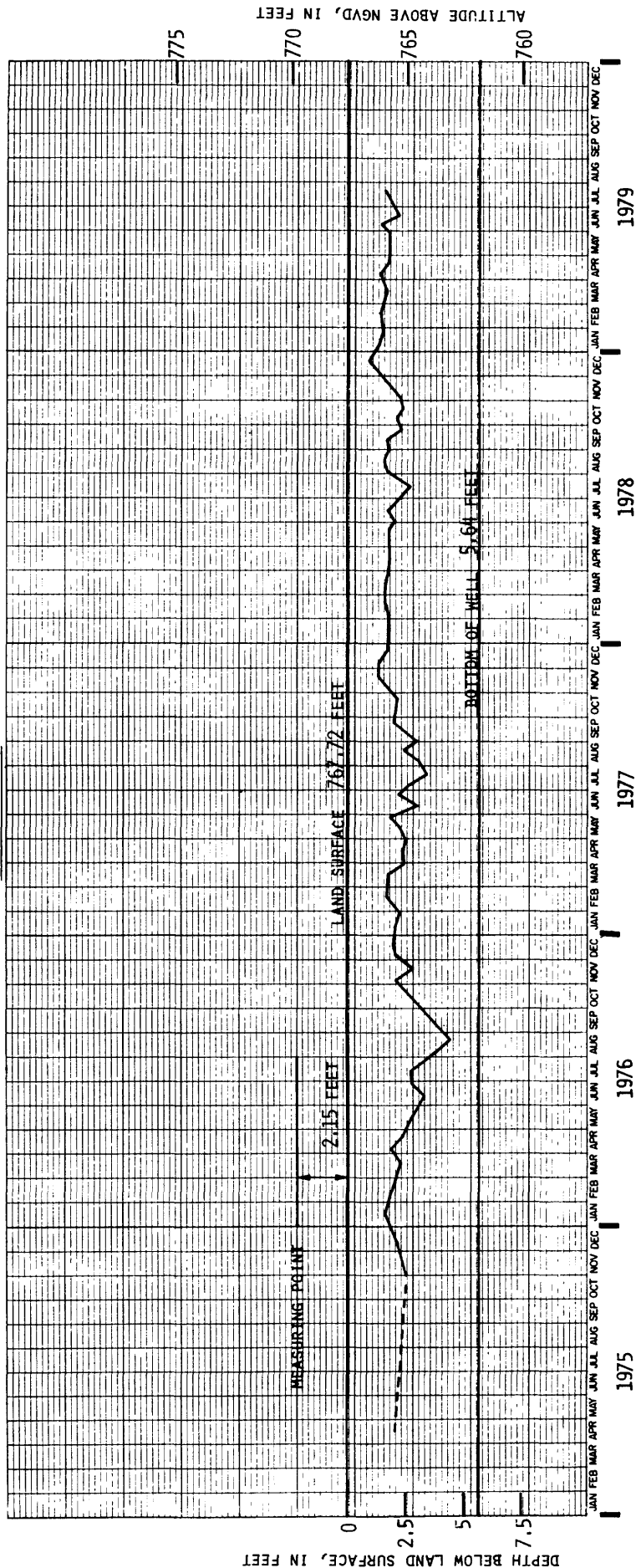
WELL NO. 364



DEPTH BELOW LAND SURFACE, IN FEET

ALTITUDE ABOVE NGVD, IN FEET

WELL NO. 365

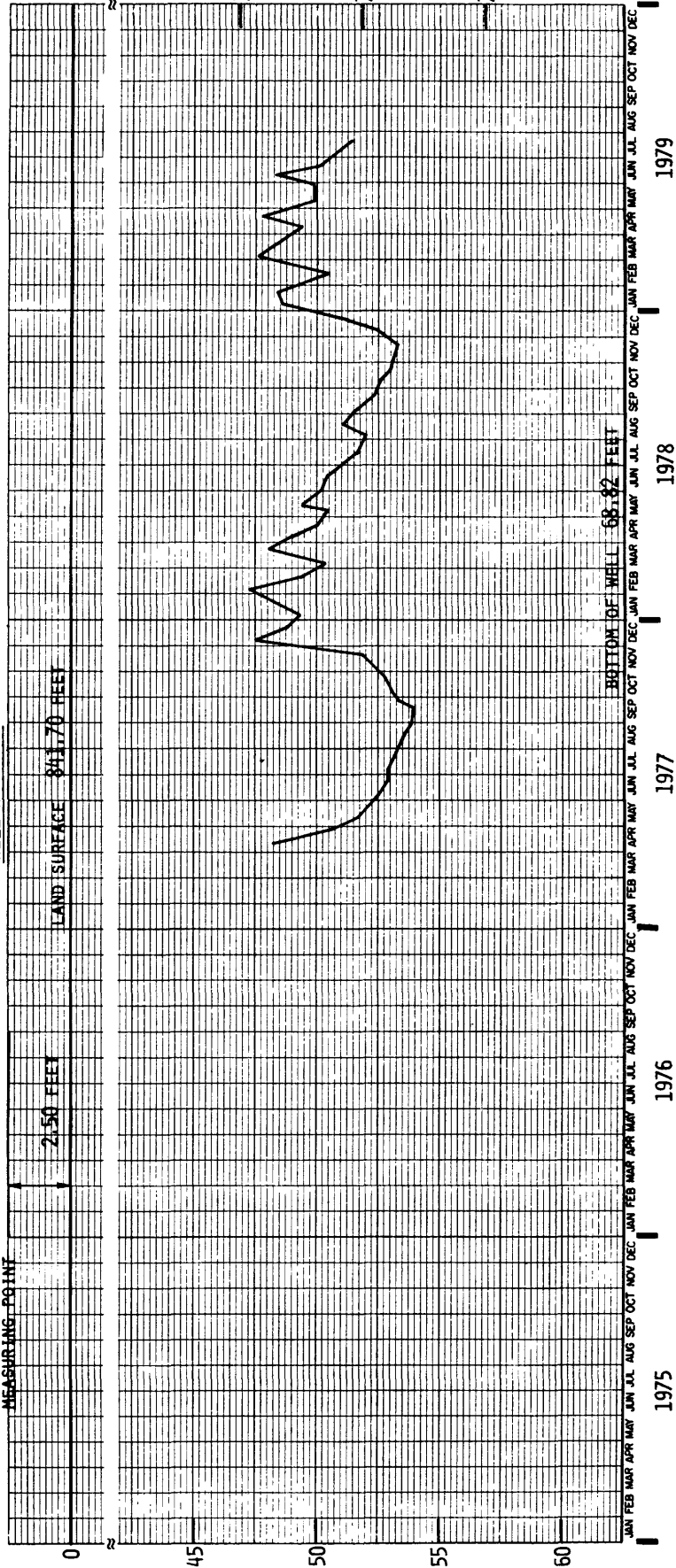


WELL NO. 367

MEASURING POINT

2.50 FEET

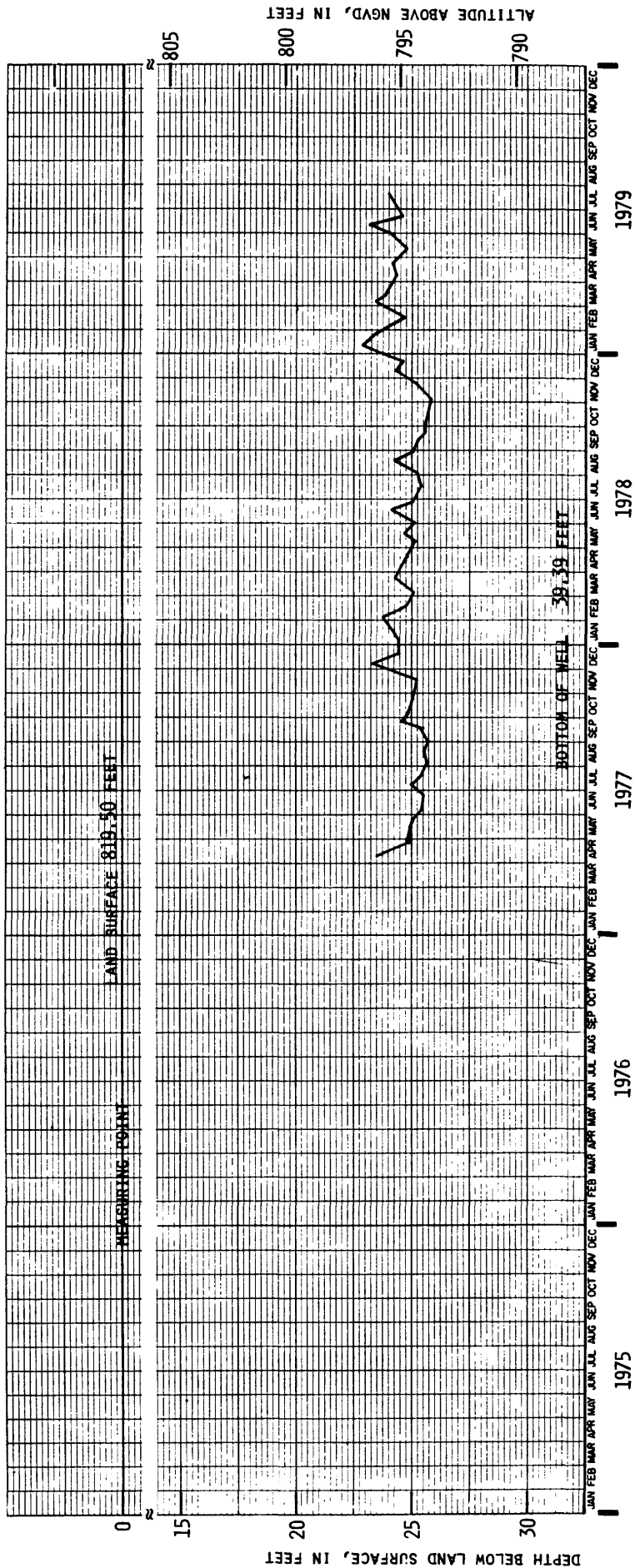
LAND SURFACE 841.70 FEET



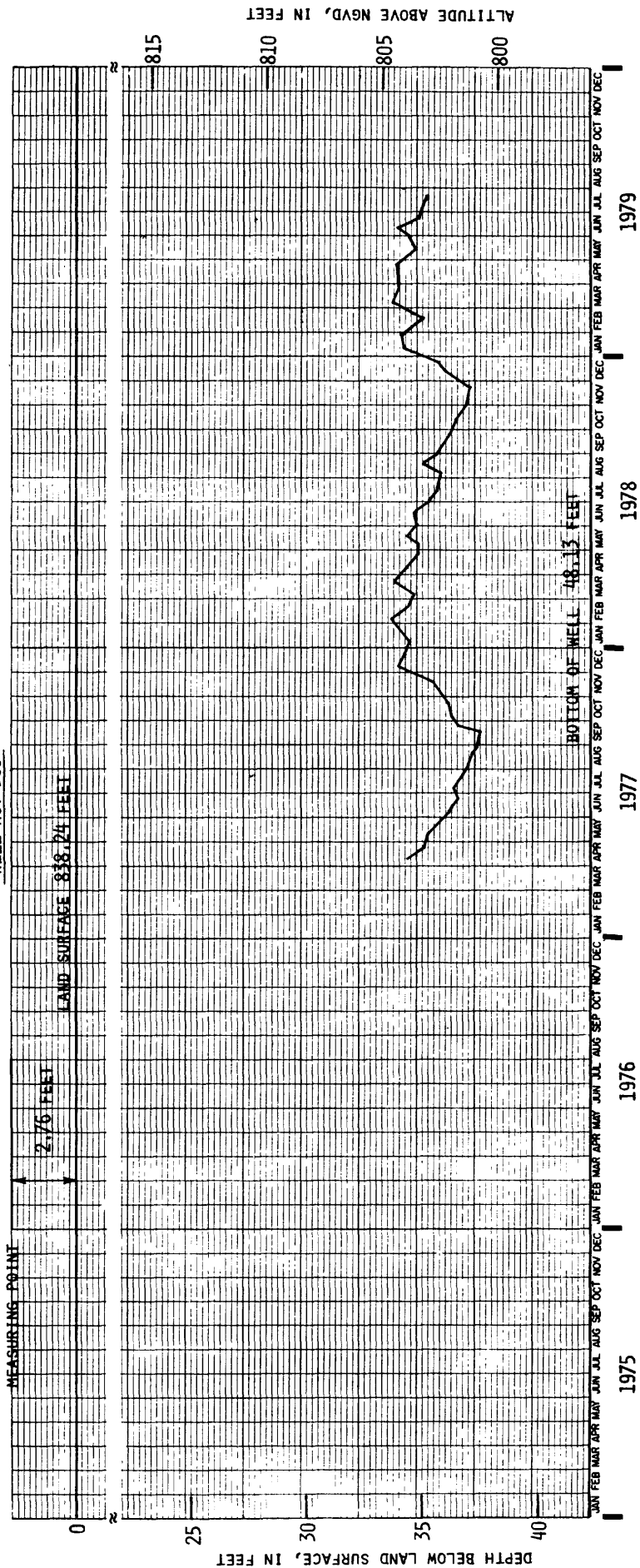
DEPTH BELOW LAND SURFACE, IN FEET

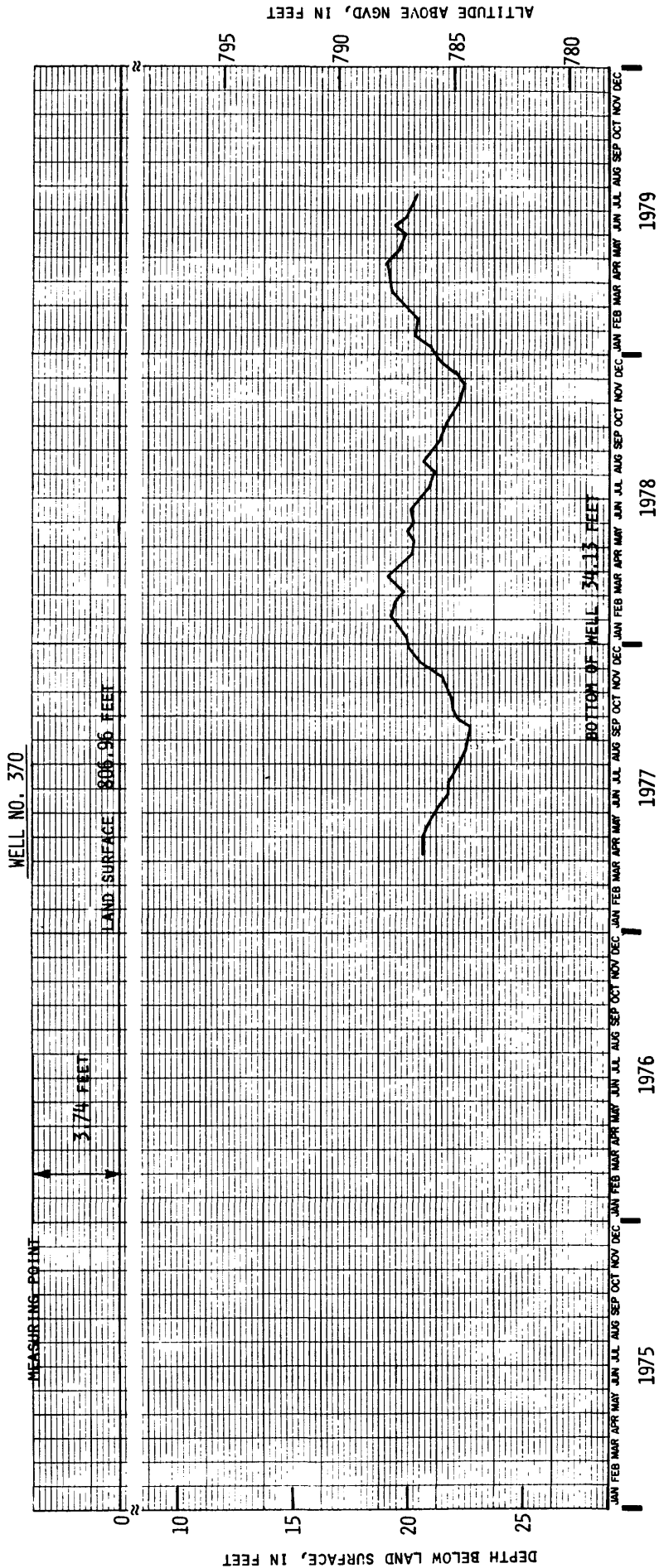
ALTITUDE ABOVE NGVD, IN FEET

WELL NO. 368



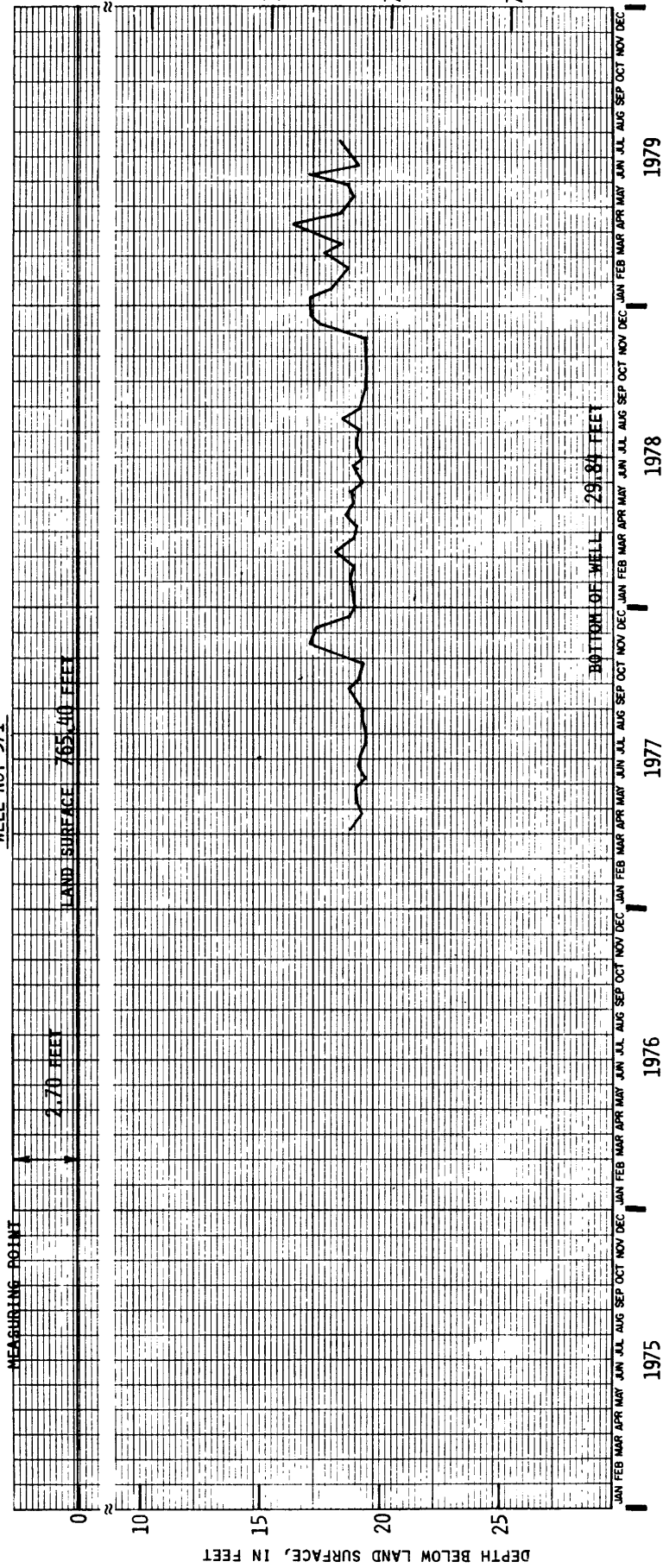
WELL NO. 369





WELL NO. 371

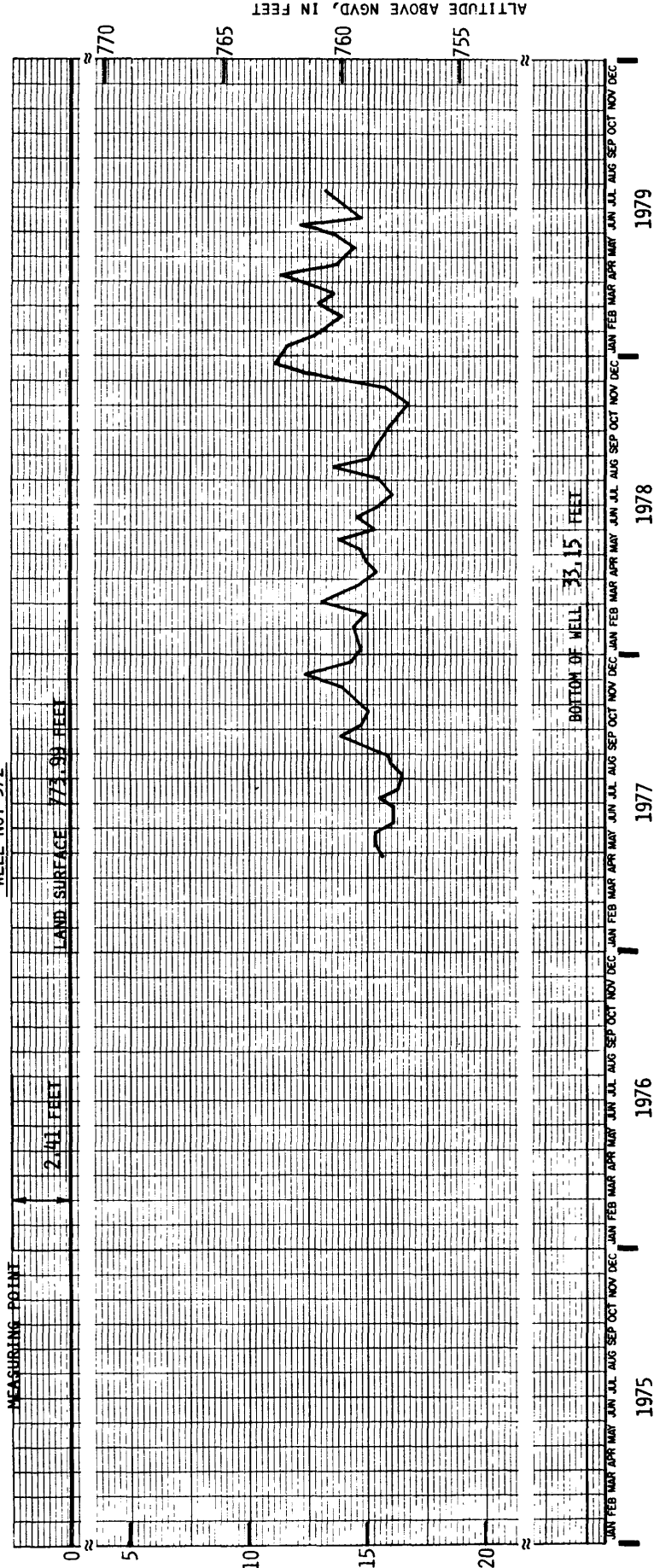
MEASURING POINT
2.70 FEET
LAND SURFACE 765.40 FEET

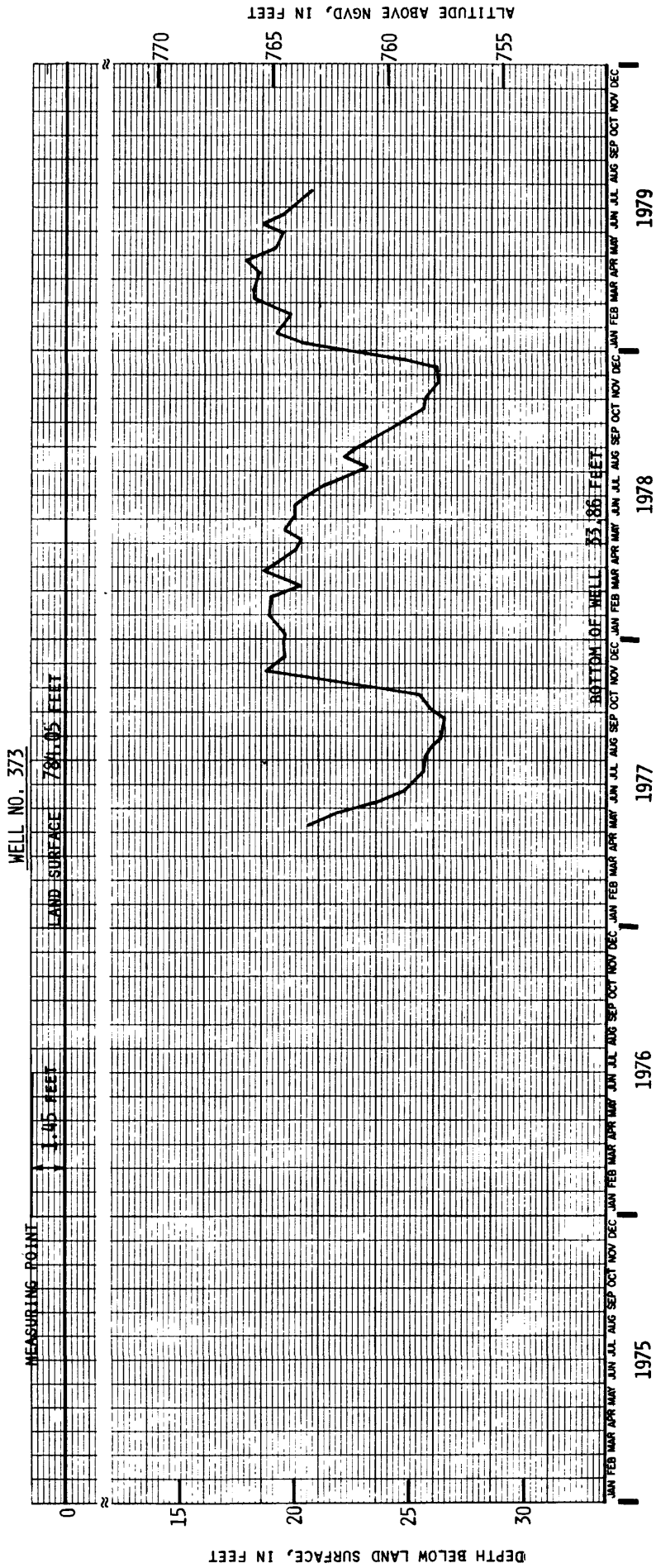


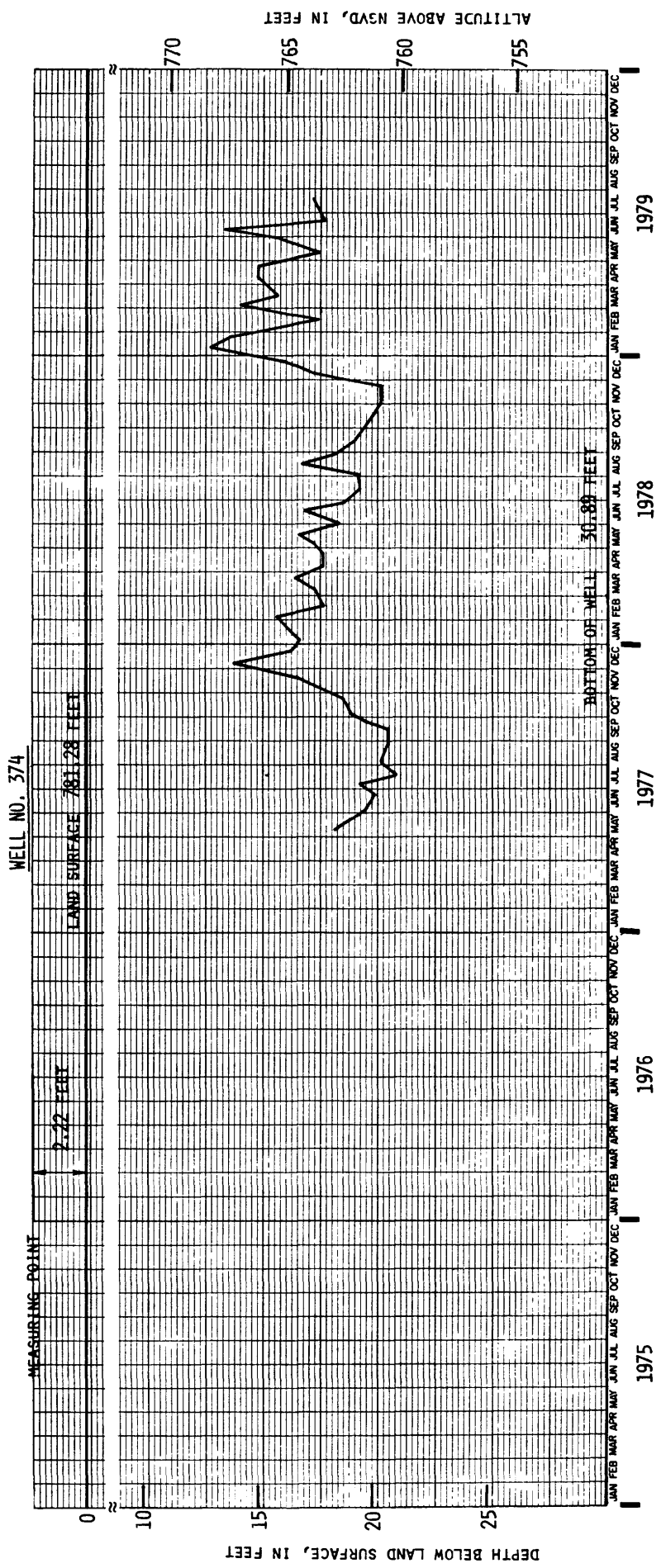
DEPTH BELOW LAND SURFACE, IN FEET

ALTITUDE ABOVE NGVD, IN FEET

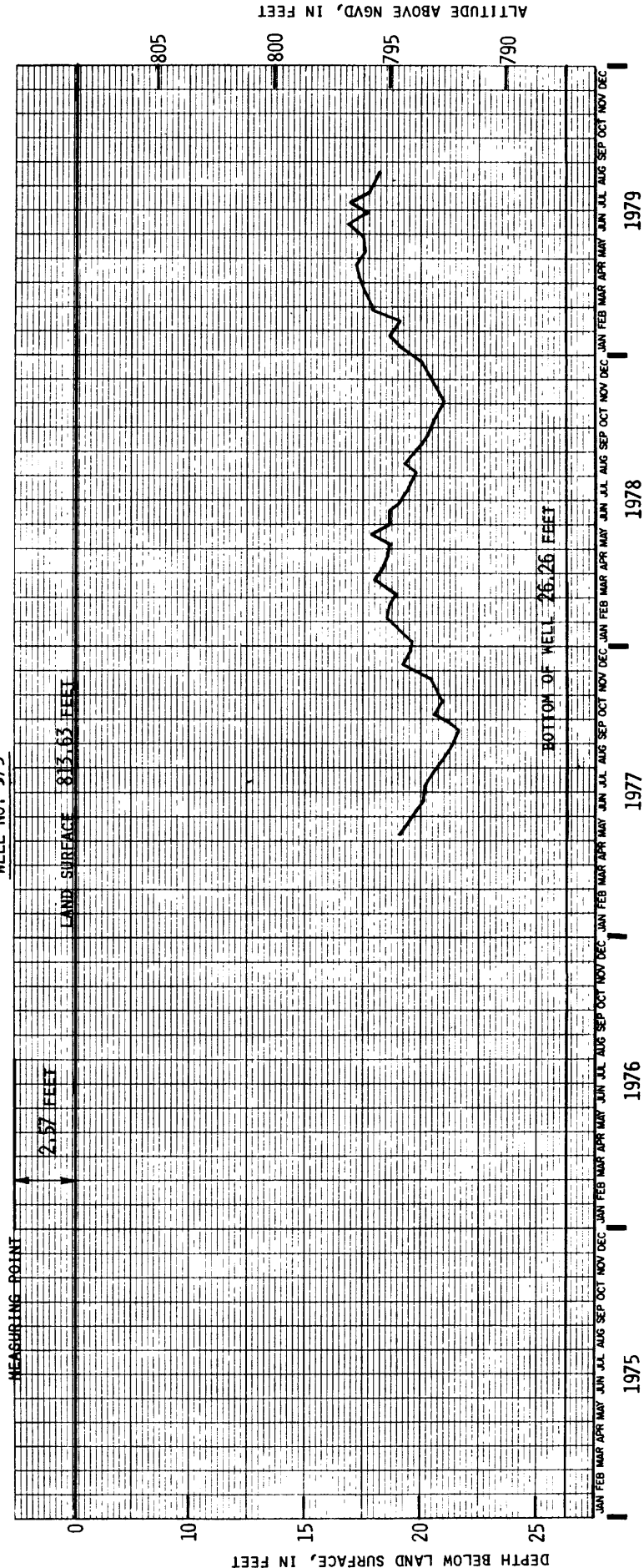
WELL NO. 372

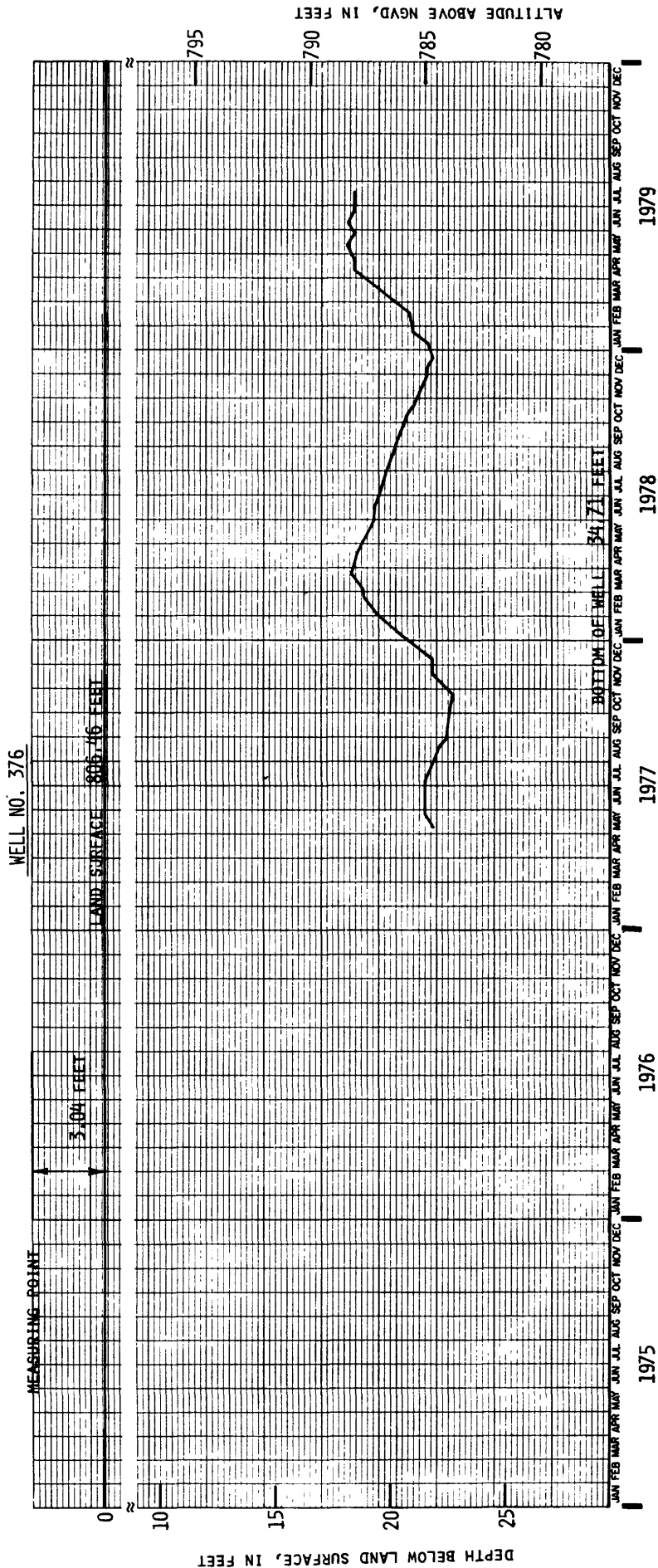


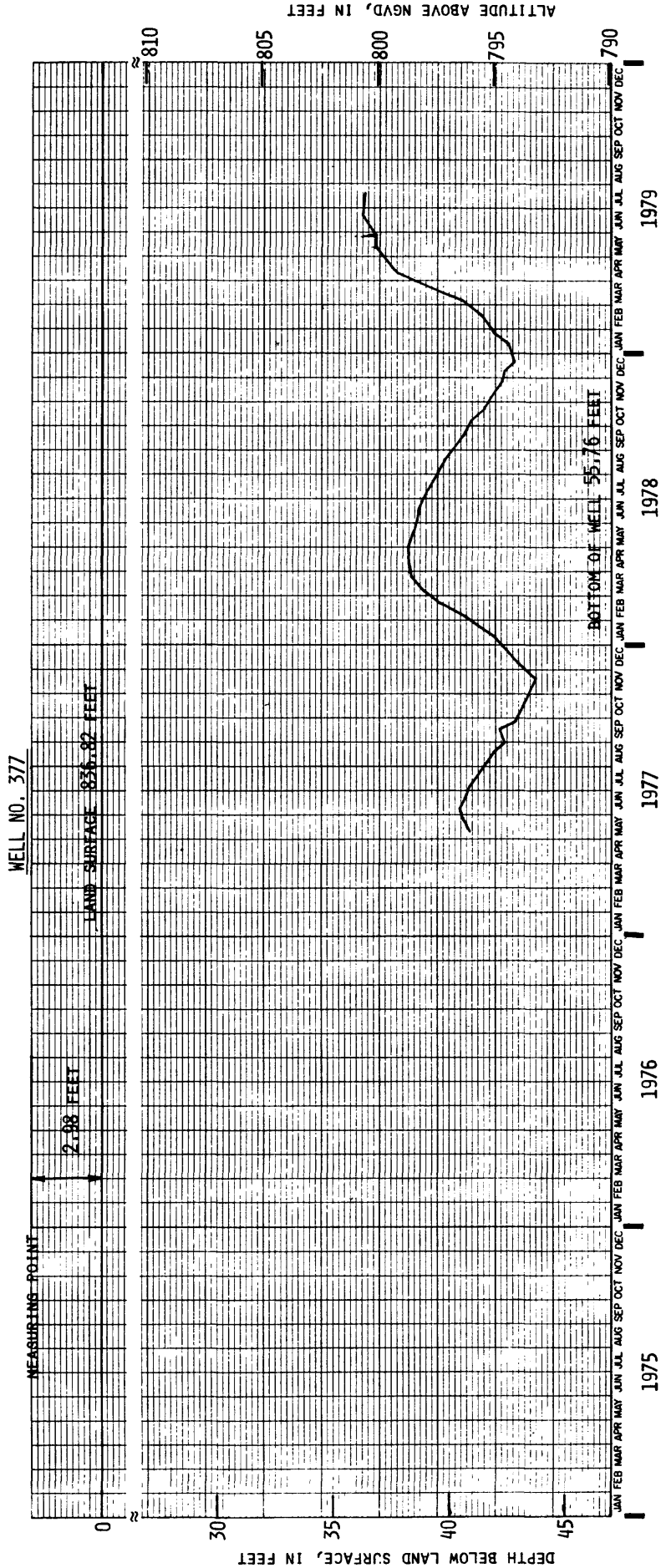




WELL NO. 375







WELL NO. 378

MEASURING POINT

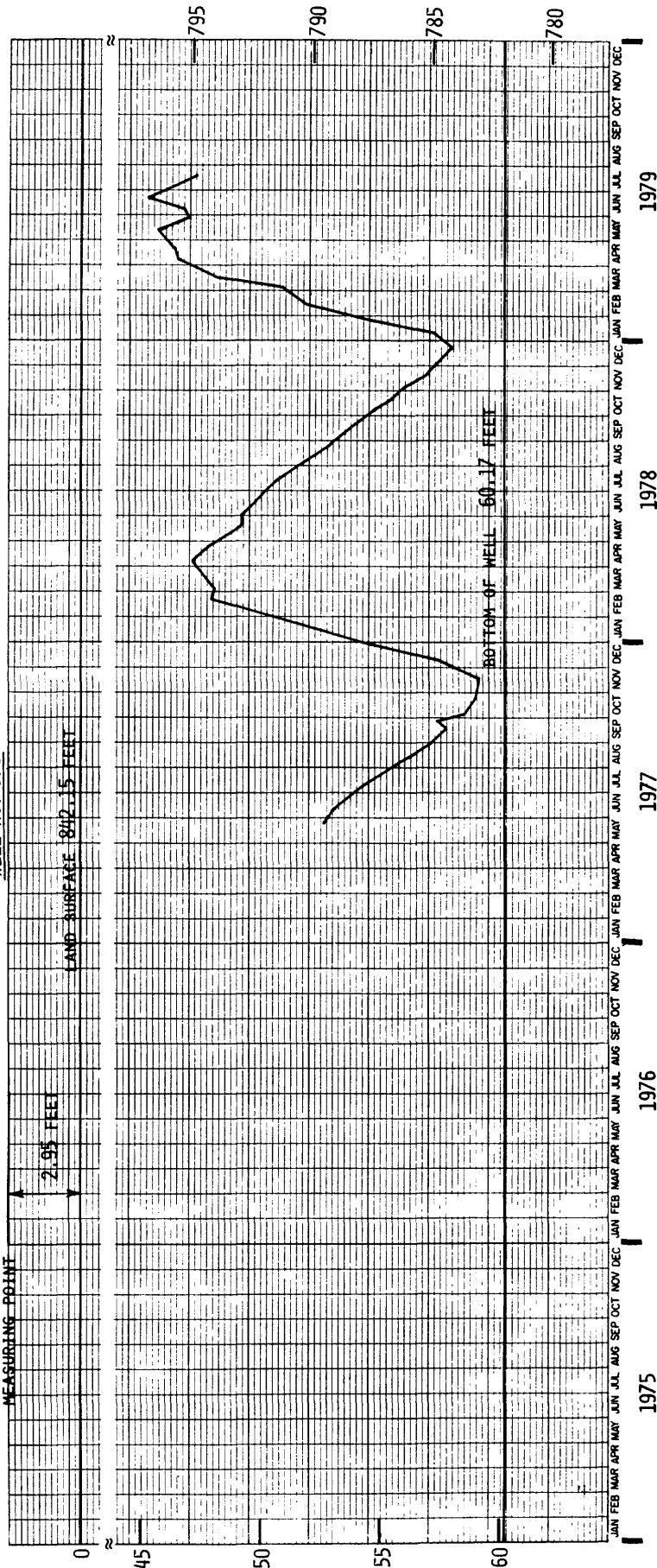
2.95 FEET

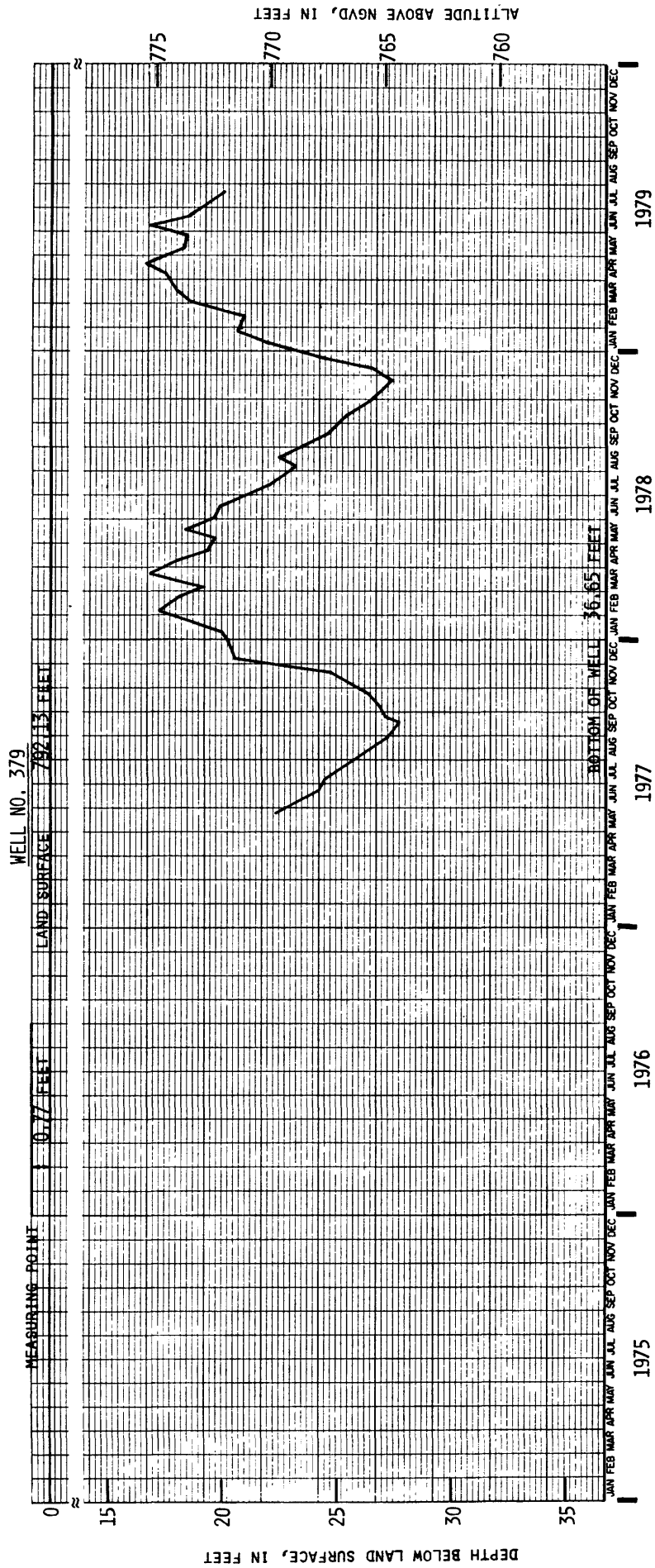
LAND SURFACE 842.15 FEET

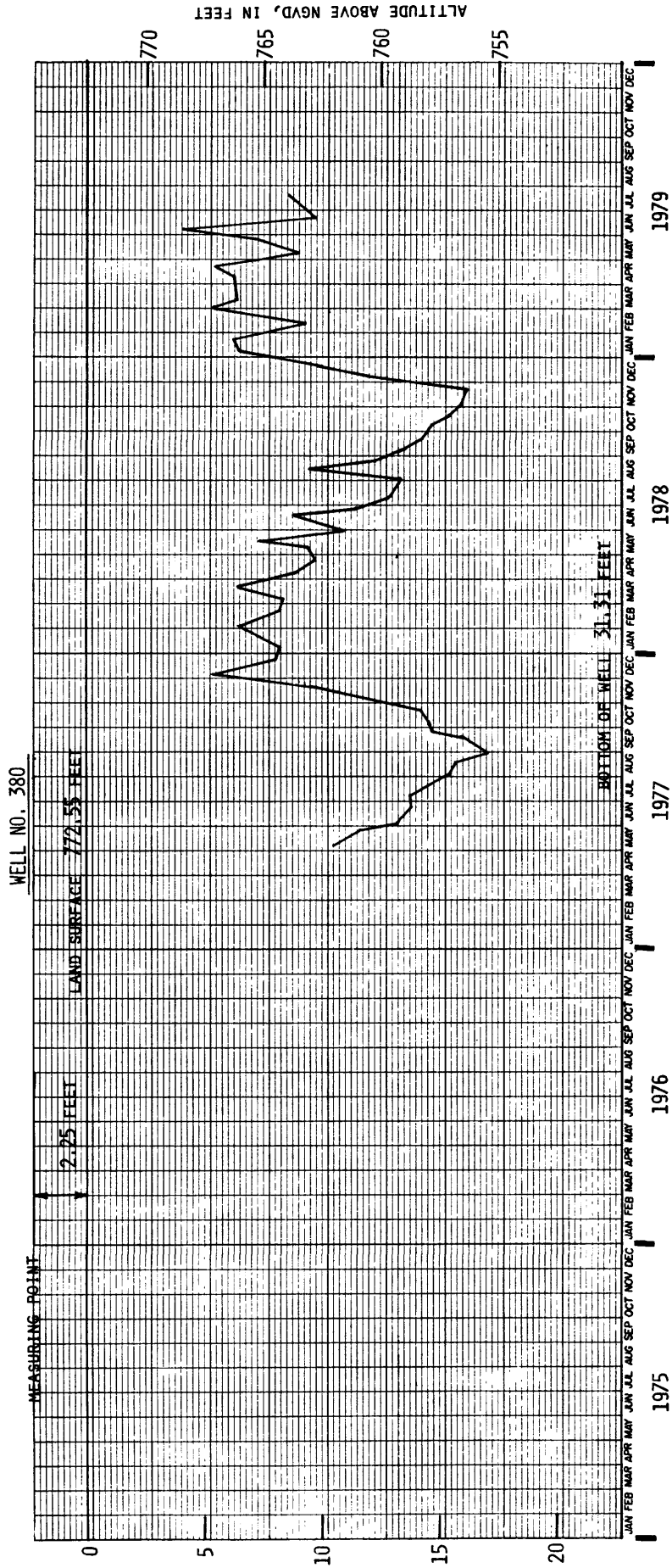
BOTTOM OF WELL 60.17 FEET

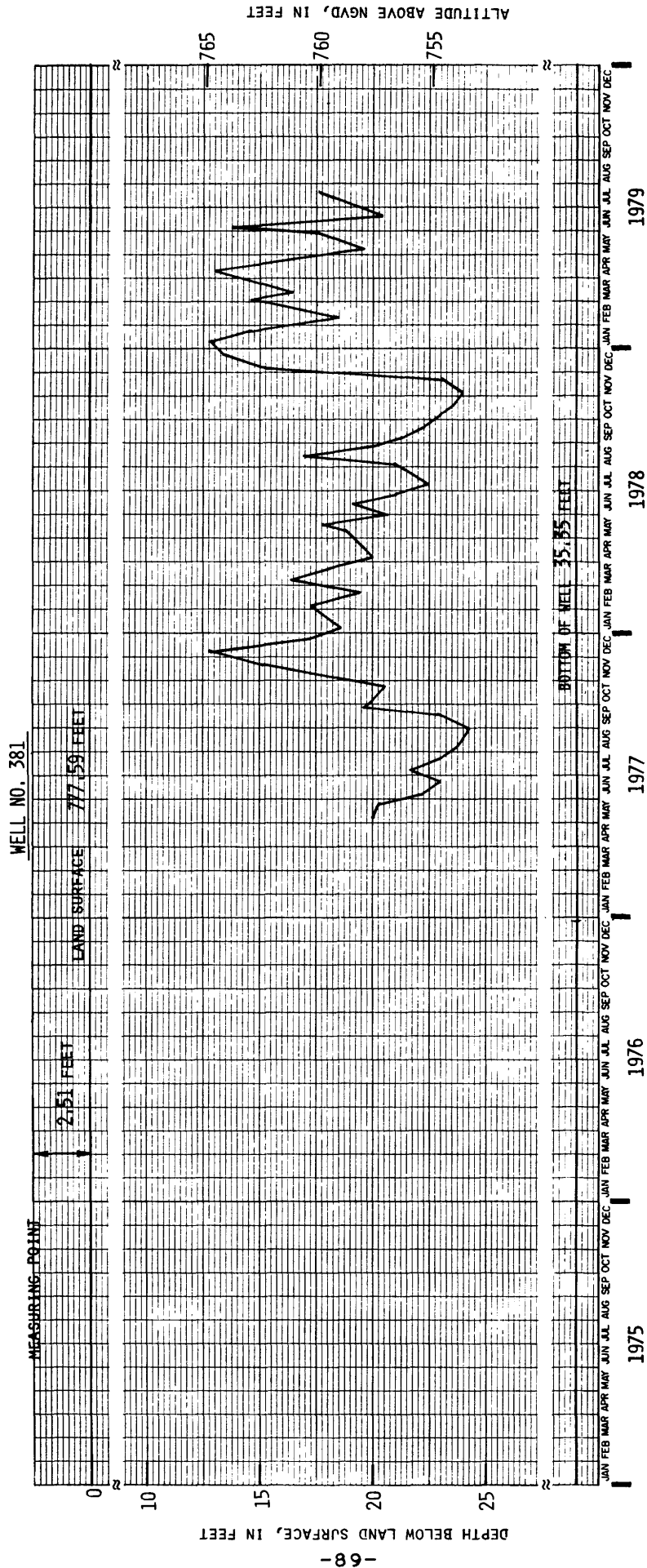
DEPTH BELOW LAND SURFACE, IN FEET

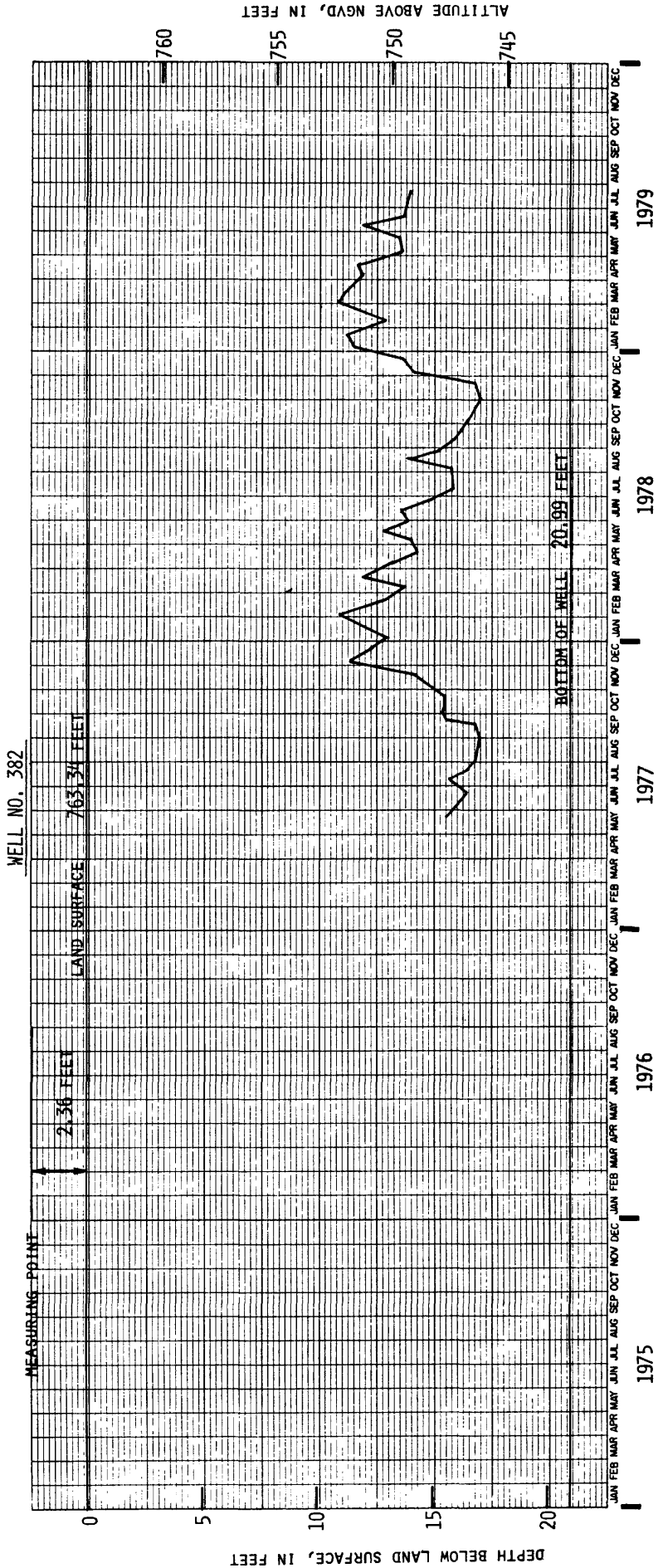
ALTITUDE ABOVE NGVD, IN FEET



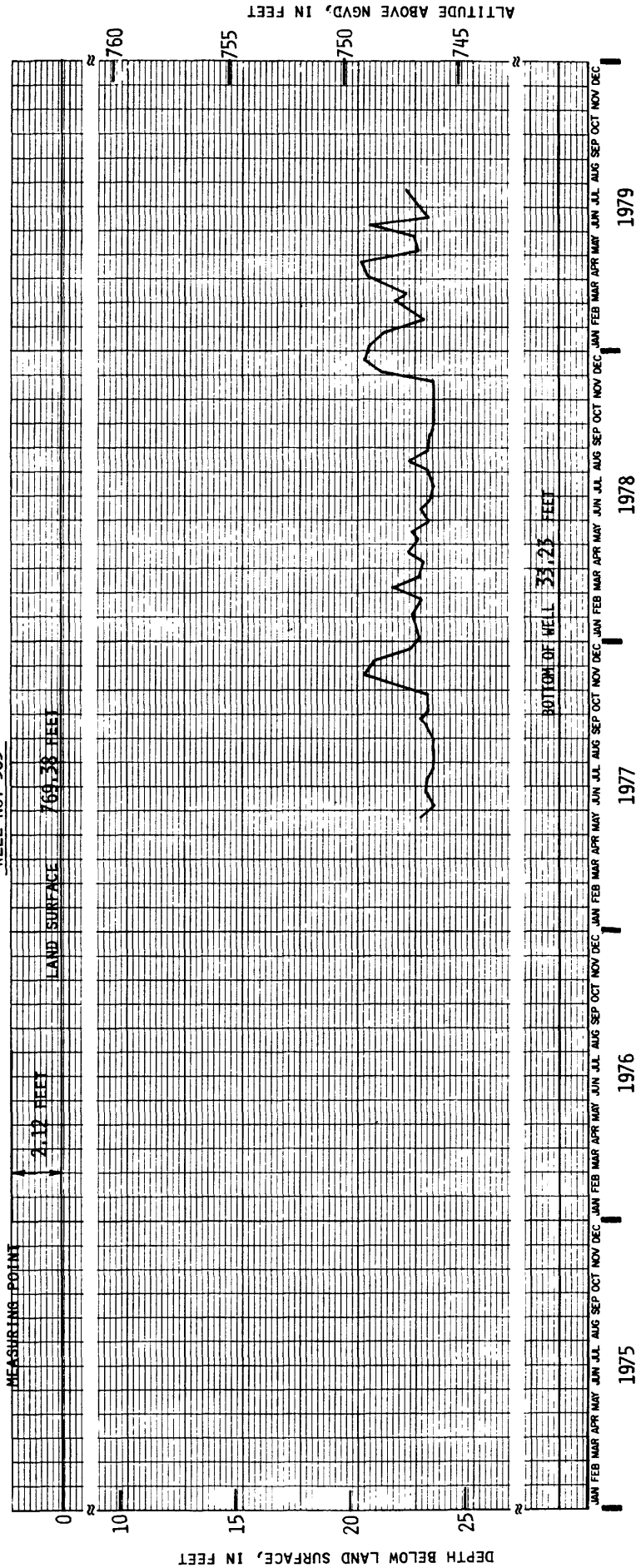


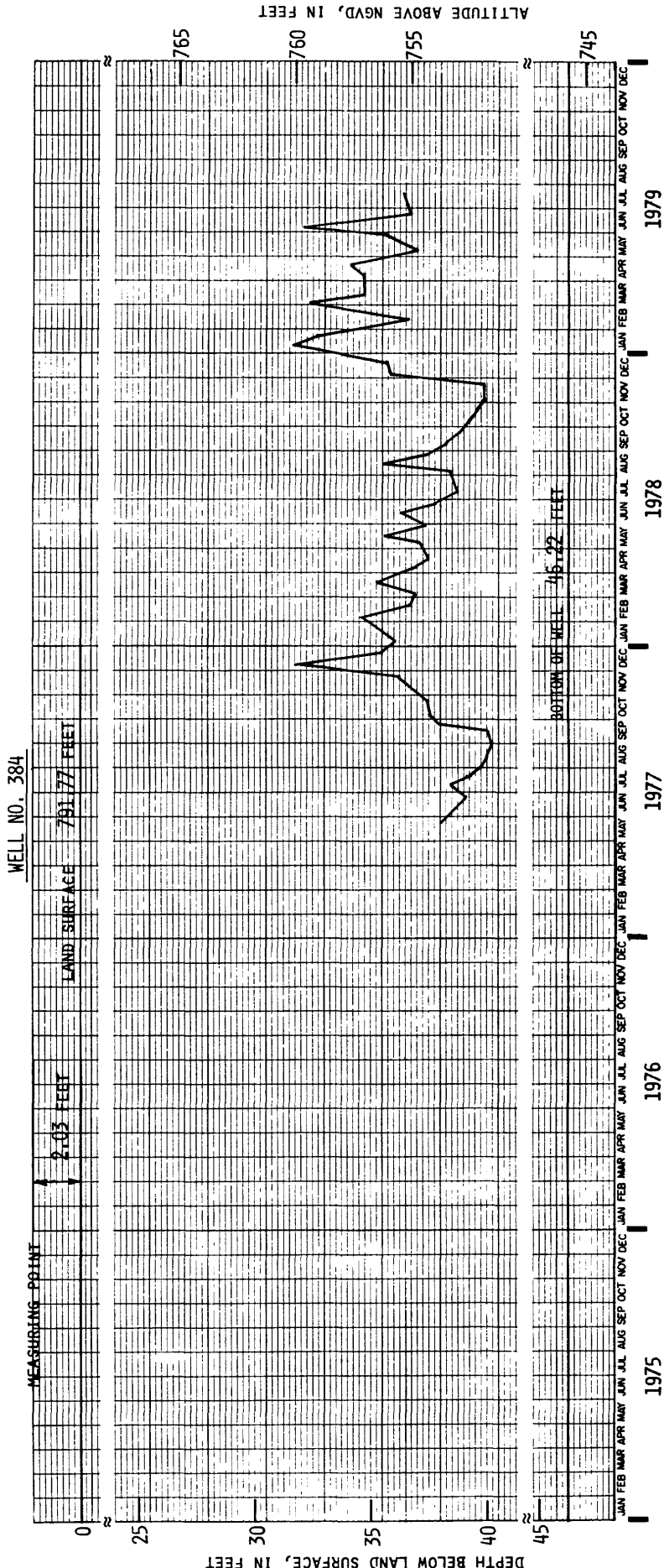




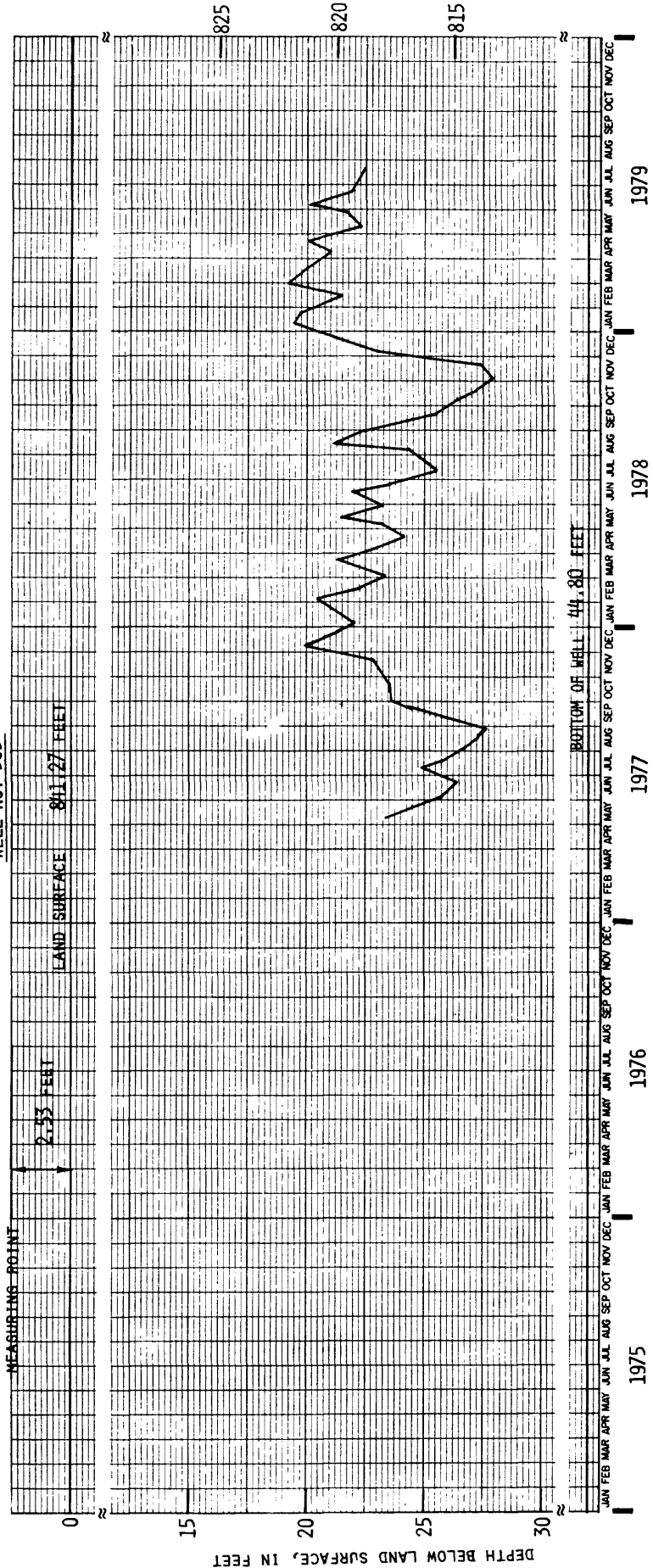


WELL NO. 383

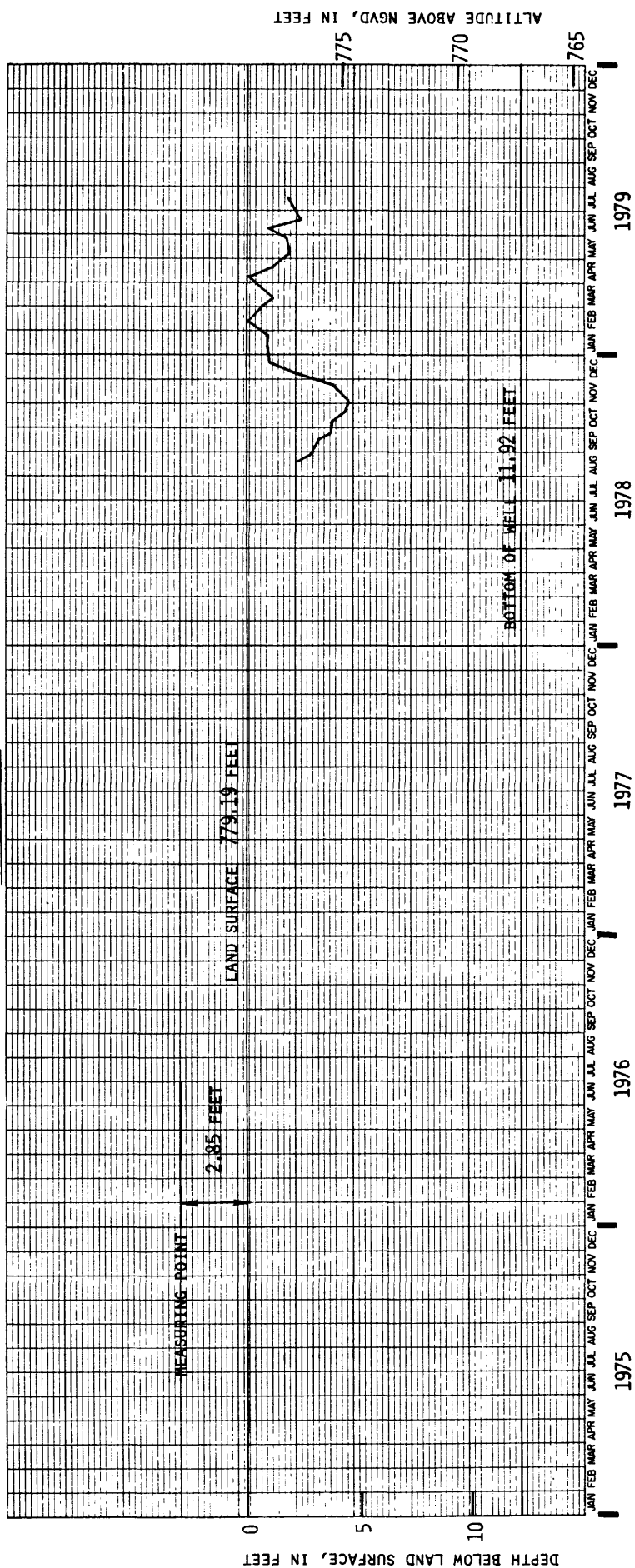




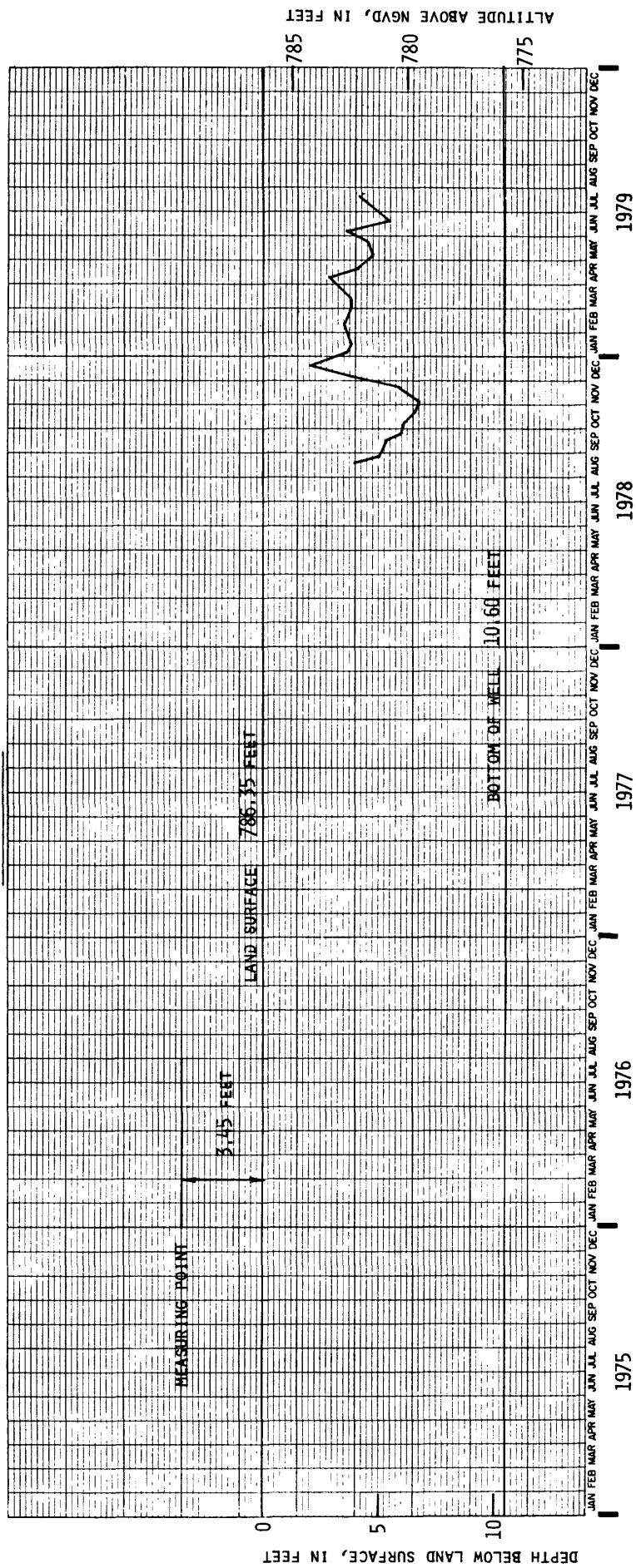
WELL NO. 385



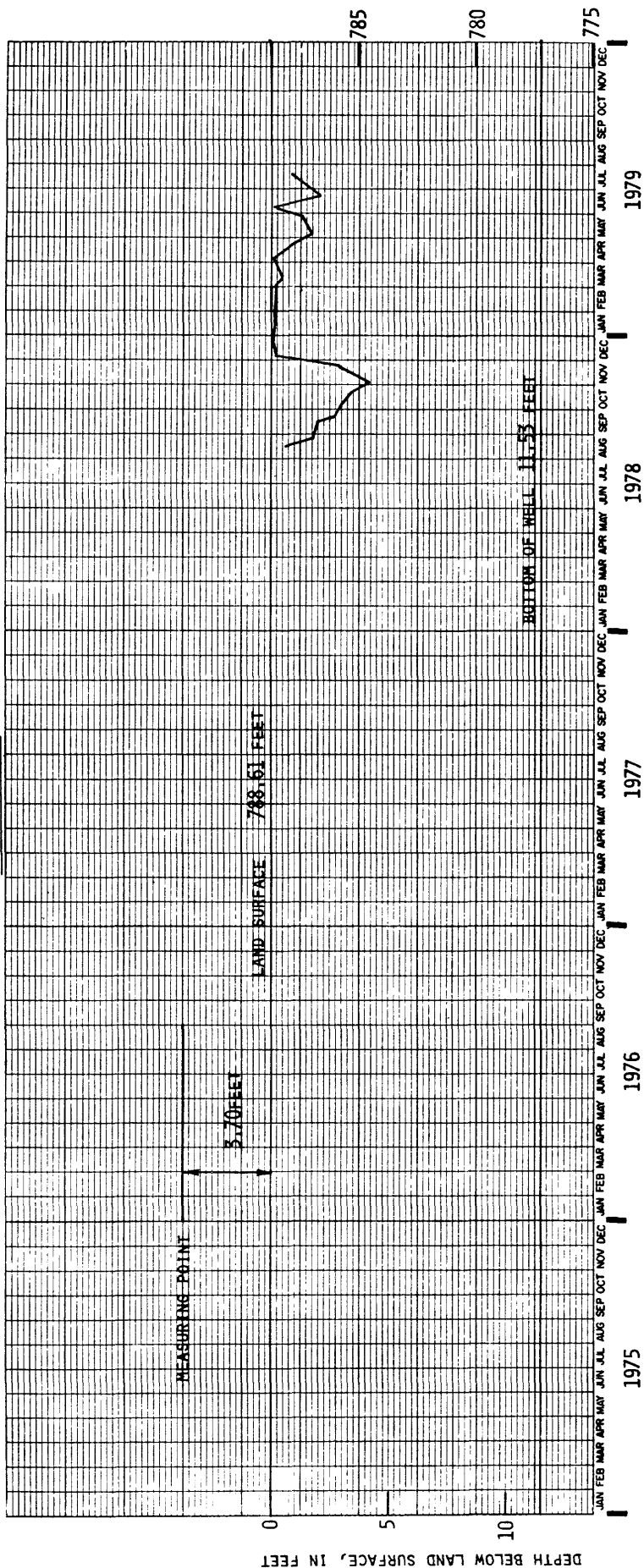
WELL NO. 386

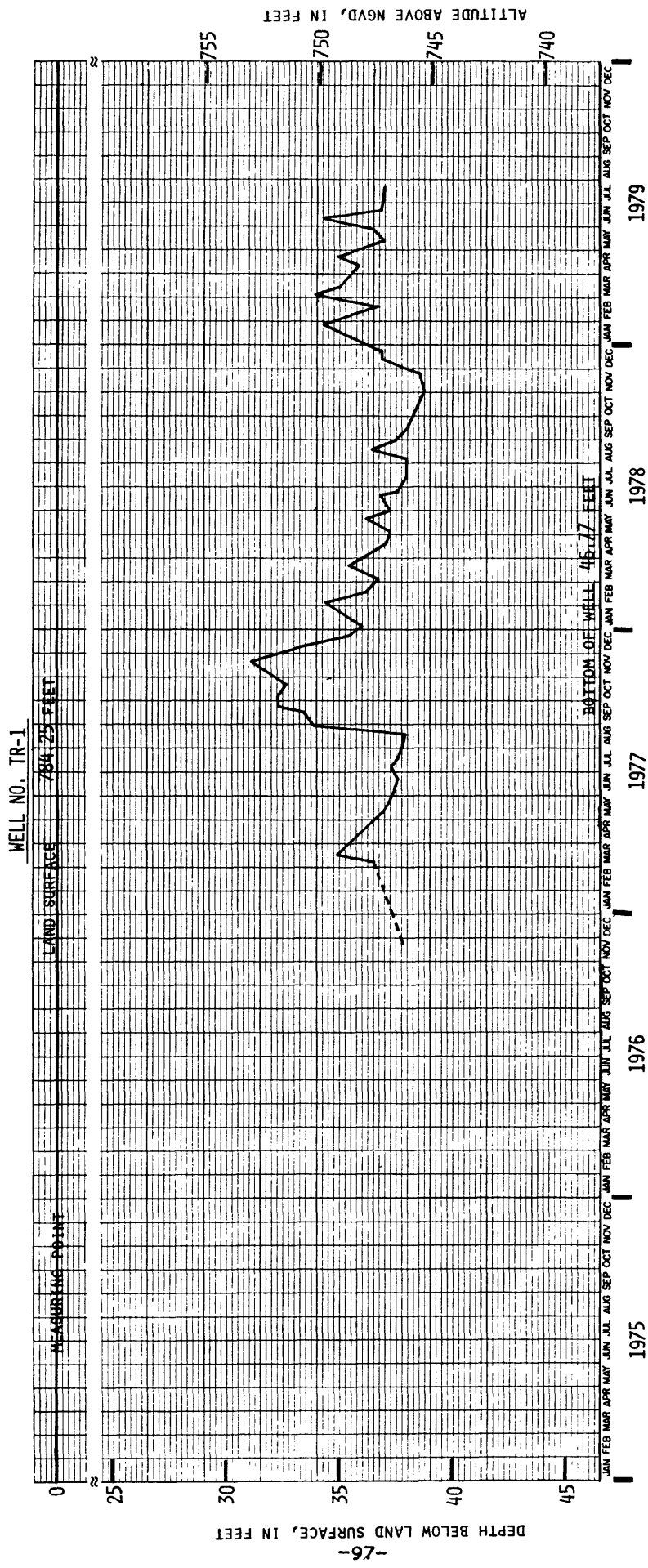


WELL NO. 387

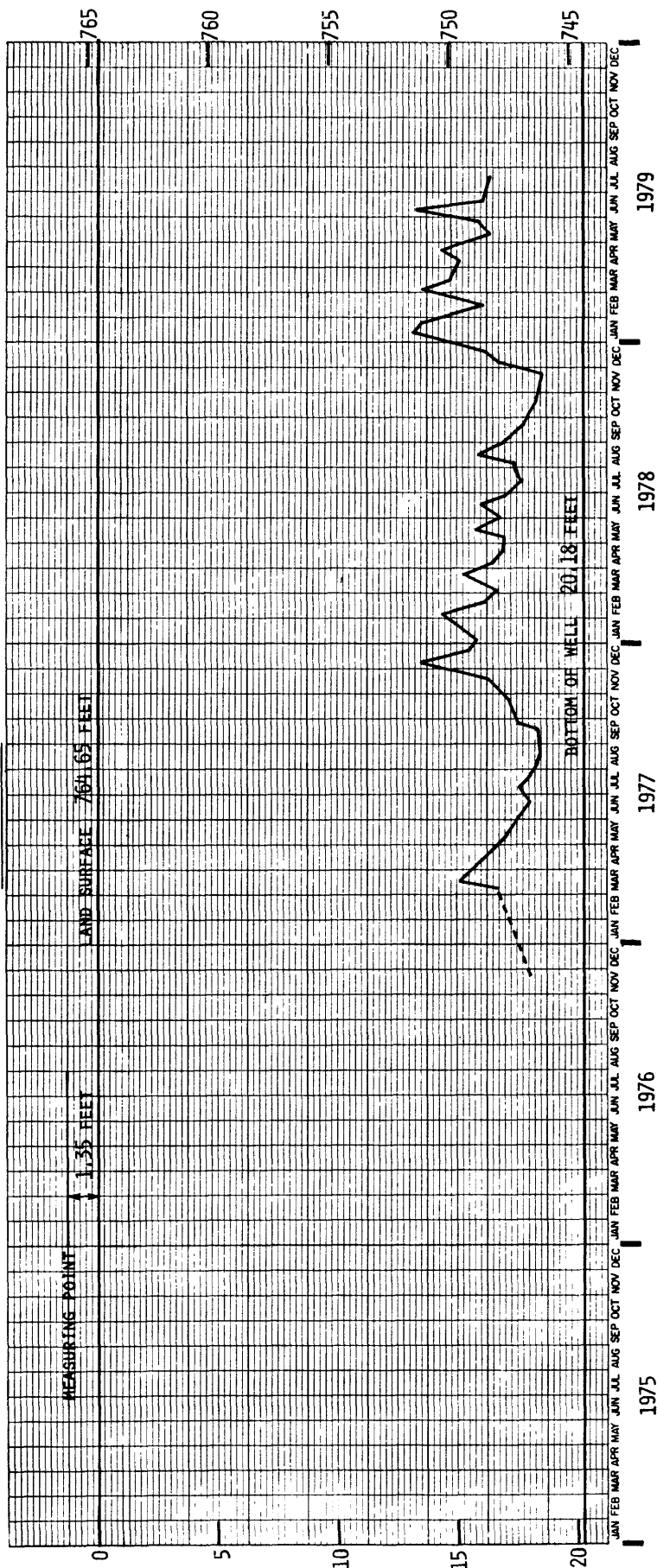


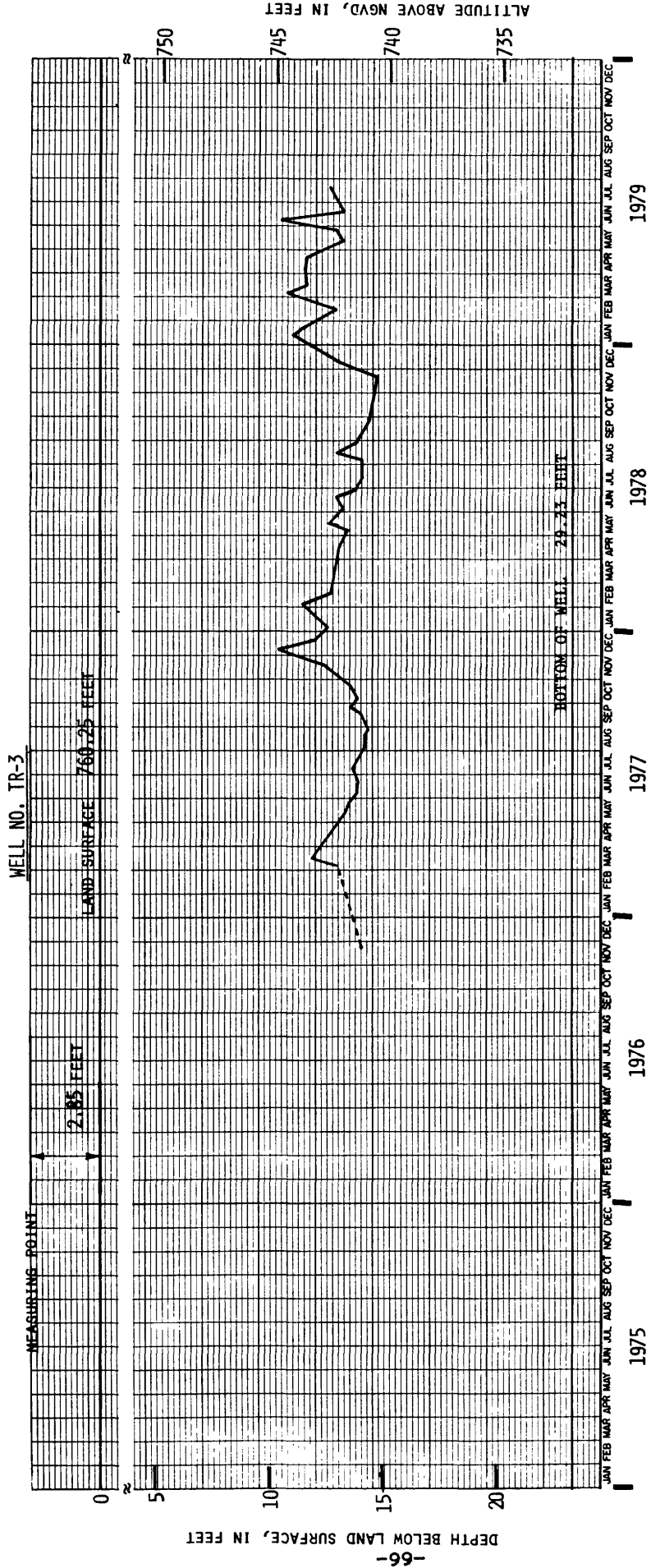
WELL NO. 388





WELL NO. TR-2





WELL NO. TR-12

