UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER BRANCH

RECORDS OF WELLS AND WATER-LEVEL FLUCTUATIONS, IN THE ABERDEEN-SPRINGFIELD AREA, BINGHAM AND POWER COUNTIES, IDAHO, IN 1959

By

Harold G. Sisco

Prepared in cooperation with the Idaho Department of Reclamation, and Idaho Water District 36.

Open-file Report
60-125

Boise, Idaho
1960

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RECORDS OF WELLS AND WATER-LEVEL FLUCTUATIONS IN THE ABERDEEN-SPRINGFIELD AREA, BINGHAM AND POWER COUNTIES, IDAHO, IN 1959

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INTRODUCTION

This report is the eighth in a series[1/] of annual reports which contain records of wells and water-level fluctuations in the Aberdeen-Springfield area in Bingham and Power counties, Idaho. It covers the calendar year 1959.

1/ Shuter, Eugene, 1953, Records of wells and water-level fluctuations in western Bingham County, Idaho: U. S. Geol. Survey mimeo. report, 97 p., 1 fig., 1 pl.

Sisco, Harold G., 1954, Records of wells, water-level fluctuations, and ground-water withdrawals in the Aberdeen-Springfield area, Bingham and Power counties, Idaho: U. S. Geol. Survey mimeo. report, 50 p., 1 fig., 1 pl.

Sisco, Harold G., 1955, Records of wells and water-level fluctuations, in the Aberdeen-Springfield area, Bingham and Power counties, Idaho, in 1954. U. S. Geol. Survey mimeo. report, 30 p., 3 fig., 1 pl.

Sisco, Harold G., 1956, Water levels in observation wells in the Aberdeen-Springfield area, Bingham and Power counties, Idaho, in 1955. U. S. Geol. Survey mimeo. report, 32 p., 3 fig., 1 pl.

Sisco, Harold G., 1958, Records of wells and water-level fluctuations, in the Aberdeen-Springfield area, Bingham and Power counties, Idaho, in 1956. U. S. Geol. Survey mimeo. report, 39 p., 3 fig., 1 pl.

Sisco, Harold G., 1958, Records of wells and water-level fluctuations, in the Aberdeen-Springfield area, Bingham and Power counties, Idaho, in 1957. U. S. Geol. Survey mimeo. report, 51 p., 3 fig., 1 pl.

Sisco, Harold G., 1959, Records of wells and water-level fluctuations, in the Aberdeen-Springfield area, Bingham and Power counties, Idaho in 1958. U. S. Geol. Survey mimeo. report, 51 p., 3 fig., 1 pl.

The observation well network lies along the American Falls Reservoir between the village of Thomas and the town of American Falls. The area is bounded on the west by the Aberdeen-Springfield highline canal and on the east by the American Falls Reservoir (fig. 1). A few wells east of the reservoir are also measured regularly.

Periodic depth-to-water measurements were made in 26 wells, and automatic recording gages maintained on 4 wells throughout the year. Three of the recording gages are south and east of American Falls Reservoir in Power County and one is northeast of Aberdeen in Bingham County. During the year two well points were driven to depths of 15 and 17 feet to replace wells 4S-31E-36ba1 and 5S-32E-7cc1.

Other work completed during the year included building a concrete platform and installing a recording gage on well 4S-33E-3cb2 south of Pingree, Idaho. Well 4S-32E-12dd1 cannot be measured and was dropped from the observation well network.

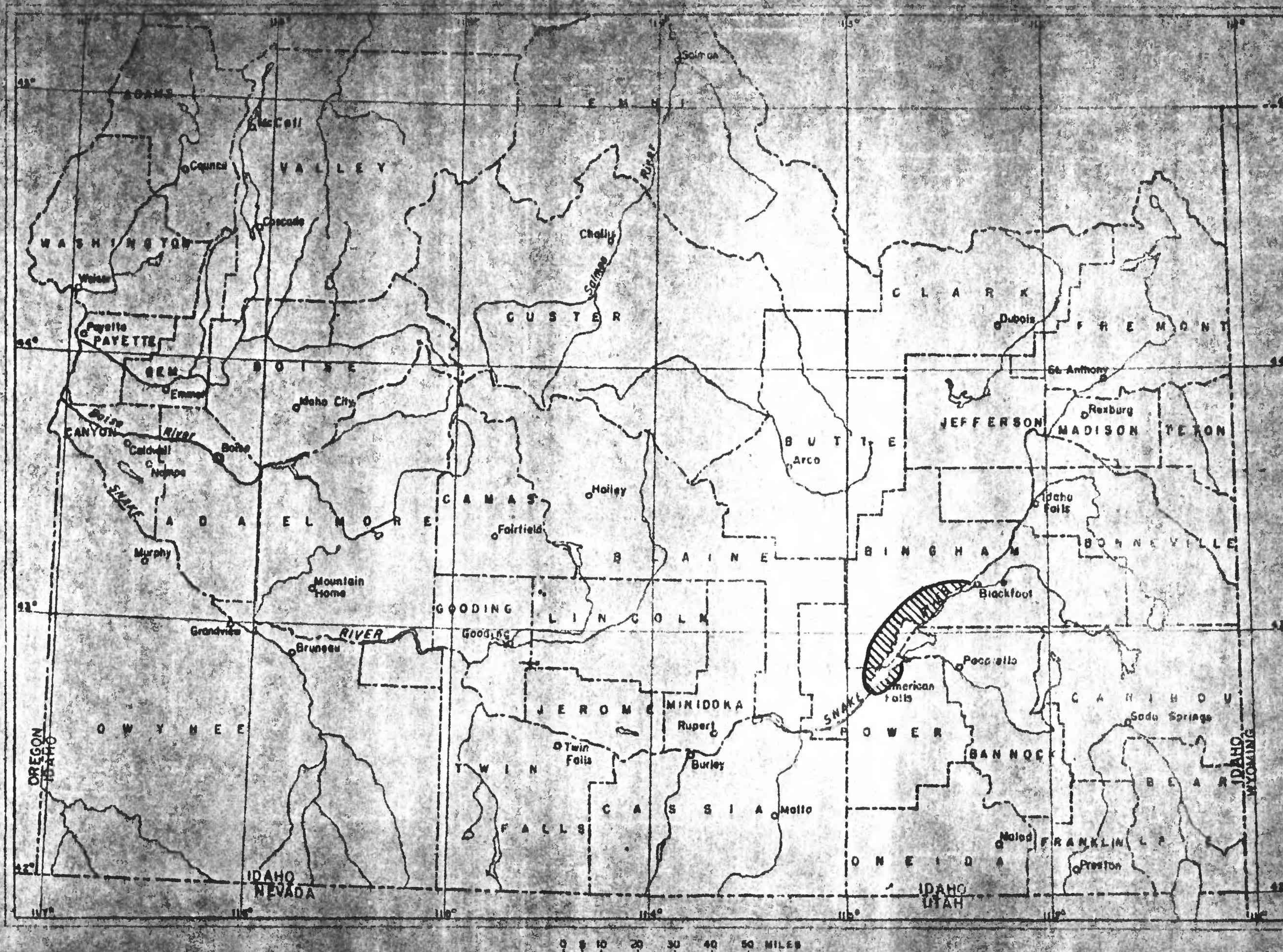


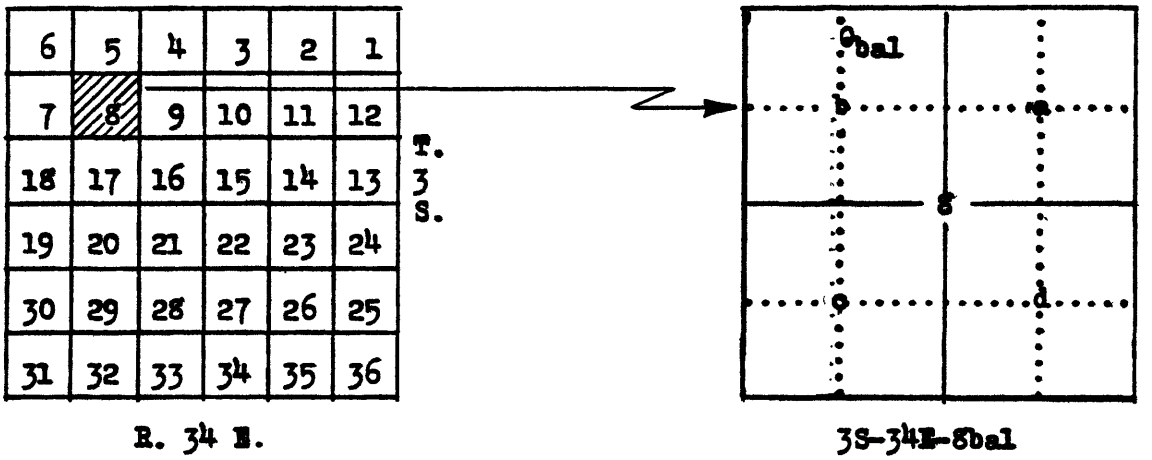
Figure I Index map of southern Idaho showing area covered by this report

(pg 5 follows)

Idaho Well-Numbering System

(U. S. Geological Survey)

The well-numbering system used in Idaho by the Geological Survey indicate the locations of wells within the official rectangular subdivisions of the public lands, with reference to the Boise base line and meridian. The first two segments of a number designate the township and range. The third segment gives the section number, followed by two letters and a numeral, which indicate the quarter section, the 40-acre tract, and the serial number of the well within the tract. Quarter sections are lettered a, b, c, and d in counterclockwise order, from the northeast quarter of each section (see diagram). Within the quarter sections 40-acre tracts are lettered in the same manner. Well 3S-34E-8bal is in the NE¼NW¼ sec. 8, T. 3 S., R. 34 E. and is the well first visited in that tract.



(pg 8 follows)

RECORDS OF OBSERVATION WELLS

Table 1 contains information about the locations, ownership, type, depth, use of well, and altitude of land surface. The relation of the measuring point to the land-surface datum is given in the table.

Land-surface datum.—At the time a measuring point is established for a well, the distance of the measuring point, in feet above or below the general natural land surface at the site is measured. This general land surface is designated as a land-surface datum. The land surface may change thereafter, from natural causes or by artificial excavation or fill, but the designated land-surface datum remains unchanged and water levels continue to be reported with reference to that datum.

Measuring point.—A measuring point is a well-defined, fixed point over a well, such as the top of casing or the base of a pump, from which measurements of the depth to water can be made conveniently.

Altitude.—All altitudes are distances in feet as established by third-order leveling from bench marks established by the United States Coast and Geodetic Survey preliminary mean sea-level datum of 1929.

Table 1.—Records of observation wells in

Abbreviations:

Depth of well: R, reported depth below land surface; not verified by measurement.
Type of pump: J, jet; L, lift; N, no pump; T, shaft turbine.
Use of well: D, domestic; I, irrigation; O, observation; S, stock.

Well number	Owner	Year drilled	Depth in feet below land surface	Casing		Type of pump
				Diameter (inches)	Depth (feet)	
BINGHAM COUNTY						
2S-34E-33bb1	Clarence Cope (formerly Fred Serr)	1928	40	6	5	L
3S-33E-14bb1	F. J. Webb	1949	R 50	6	3	L
22cd1	G. R. Atwood	-	50	6	-	L
3S-34E- 8ba1	Heber M. Fackrell	1905	37	7	5	N
19cd1	Herb Strow	1937	R 55	6	-	L
4S-31E-22cd1	Sam Heany	-	59	6	-	N
36ab1	U. S. Geological Survey	1959	17	1¼	17	N
36ba1	Eldridge (test well)	-	6	2	6	N
4S-32E- 9dc1	Bob Chandler	1921	105	6	105	J
24cb1	Crystal Springs Trout Farm	-	9	6	-	L
25cc2	O. E. Nelson	1911	9	6	-	N
4S-33E- 1bc1	Herbert Crumley	1940	47	6	6	L
3cb2	R. F. Cammack	-	53	6	12	N
15bb2	Gerald C. Kinney	1951	48	16	-	T
22cb1	Josephine Shelman	1946	34	14	22	T
4S-34E- 5cc1	U. S. Geological Survey	1955	30	6	31	N
5S-31E- 4da1	Ernest Underwood	1950	81	8	8	J
19dd1	Don Dancliff	-	61	-	-	J
27ab1	Woodrow Youngstrom (formerly H. L. Lowe)	1920	46	16	20	N
33bd1	H. L. Lowe	1912	36	6	36	N

western Bingham and Power Counties, Idaho

Conventions:

Altitude: All altitudes are given to the nearest one-tenth of a foot.

Use of well	Description of measuring point	Measuring point above or below land-surface datum (feet)	Altitude of land surface datum
0	¼-in. tap hole in pump base	1.5	4,456.9
0	Hole in N side pump stand	1.6	4,462.2
S,0	Bottom of pump base N side	1.2	4,459.6
D,0	Top of casing S side	0.75	4,447.5
0	Top of casing E side	0.0	4,462.8
0	Top of casing S side	0.5	4,442.6
0	Top of 1¼-in. pipe N side	1.5	
0	Top of 2-in. pipe	1.2	4,405.1
D,0	Hole in casing	-5.1	4,438.9
0	Top of casing	0.3	4,383.9
0	Top of concrete	0.0	4,370.3
D,S,0	Bottom edge of pump base N side	-3.1	4,434.3
0	Top of casing N side	1.1	
I,0	1-in. tap hole in pump base	1.0	4,413.0
I,0	Bottom of hole in casing	0.0	4,386.5
0	Top of casing coupling	2.2	
D,S,0	Top of hole in wooden box over casing	-4.6	4,448.8
D,S,0	Top of edge of 2x6 plank, N side	0.5	4,422.2
0	Top inside edge of casing	0.5	4,399.8
0	Top of casing	0.5	4,399.4

Table 1.--Records of observation wells in western

Well number	Owner	Year drilled	Depth in feet below land surface	Casing		Type of pump
				Diameter (inches)	Depth (feet)	
BINGHAM COUNTY--Contimued						
5S-31E-35aal	Maril Beck	1912	61	6	10	L
5S-32E- 6ddl	Dayton Martin	-	21	6	-	L
7ccl	Aberdeen Springfield Canal Co.	-	4	2	4	N
7cc2	U. S. Geological Survey	1959	15	1¼	15	N
6S-31E- 7bal	Aberdeen Airport	-	97	8	-	T
6S-31E-11bcl	Ed Philips	-	54	6	-	N
16bal	Aberdeen Springfield Canal Co.	-	134	12	-	N
30dal	Barthalama	-	78	7	-	L
POWER COUNTY						
5S-33E-35ccl	U. S. Geological Survey	1955	60	6	60	N
6S-32E-27adl	Mrs. Amelia Jack Tindore	1954	63	6	75	N
6S-33E-20abl	Anton Smith (formerly Edna LaVatta Kutch)	-	151	5	-	N
7S-30E-12cal	Jess Meadows	-	-	6	-	J
7S-31E-13dcl	Paul Evans	1912	78	5½	-	N

Bingham and Power Counties, Idaho--Continued

Use of well	Description of measuring point	Measuring point above or below land-surface datum (feet)	Altitude of land surface datum
S,O	Top of casing	0.9	4,391.7
O	Bottom edge of pump base	0.6	4,370.8
O	Top of drive pipe	0.8	4,375.3
O	Top of 1¼-in. pipe W side	3.0	
O	Lower edge of pump base	0.65	4,457.2
O	Top of ½-in. pipe flange in wooden floor	2.2	4,467.6
O,I	Top of 7/8-in. hole in SW corner pump base	0.25	
O	Tap hole in pump base	0.5	4,415.0
O	Top of casing N side	2.1	
O	Top of casing N side	2.3	
O	Top of casing S side	0.2	
D,S,O	Top of tap hole in upper surface of well seal N side	-1.95	4,399.3
O	Top of casing W side	1.0	

WATER LEVELS IN OBSERVATION WELLS

Depth-to-water measurements made at approximately monthly intervals are direct measurements by steel tape. Tabulations of daily water levels are noon daily readings from recording-gage charts. All measurements reported herein are in feet below the land-surface datum at the well site.

Long term records for three wells, 3S-34E-8bal, 4S-32E-9dcl and 5S-3E-35aal, are illustrated by hydrographs in figures 2, 3 and 4.

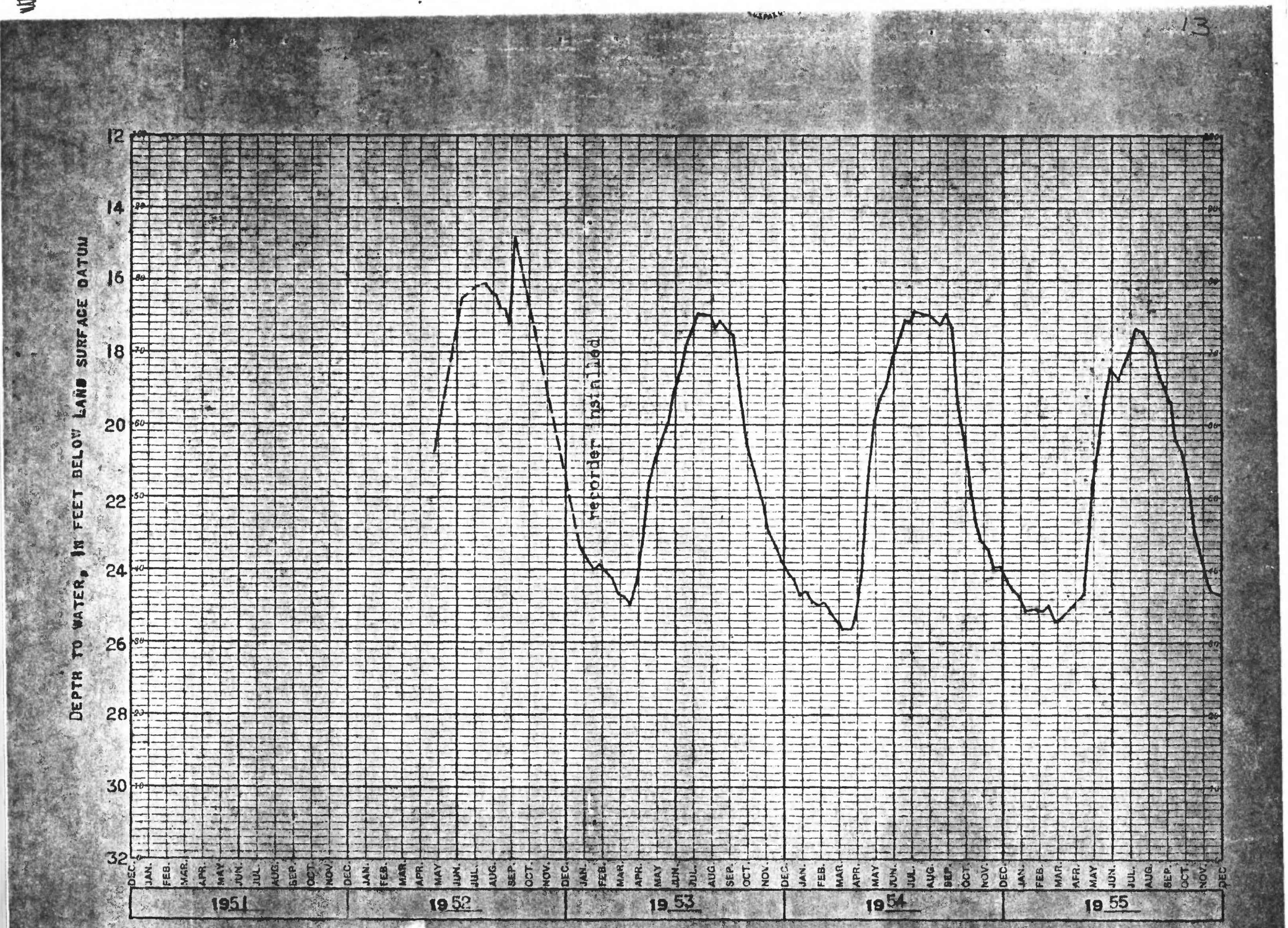


Figure 2.--HYDROGRAPH OF WELL 3S-34E-8BA1, BINGHAM COUNTY.

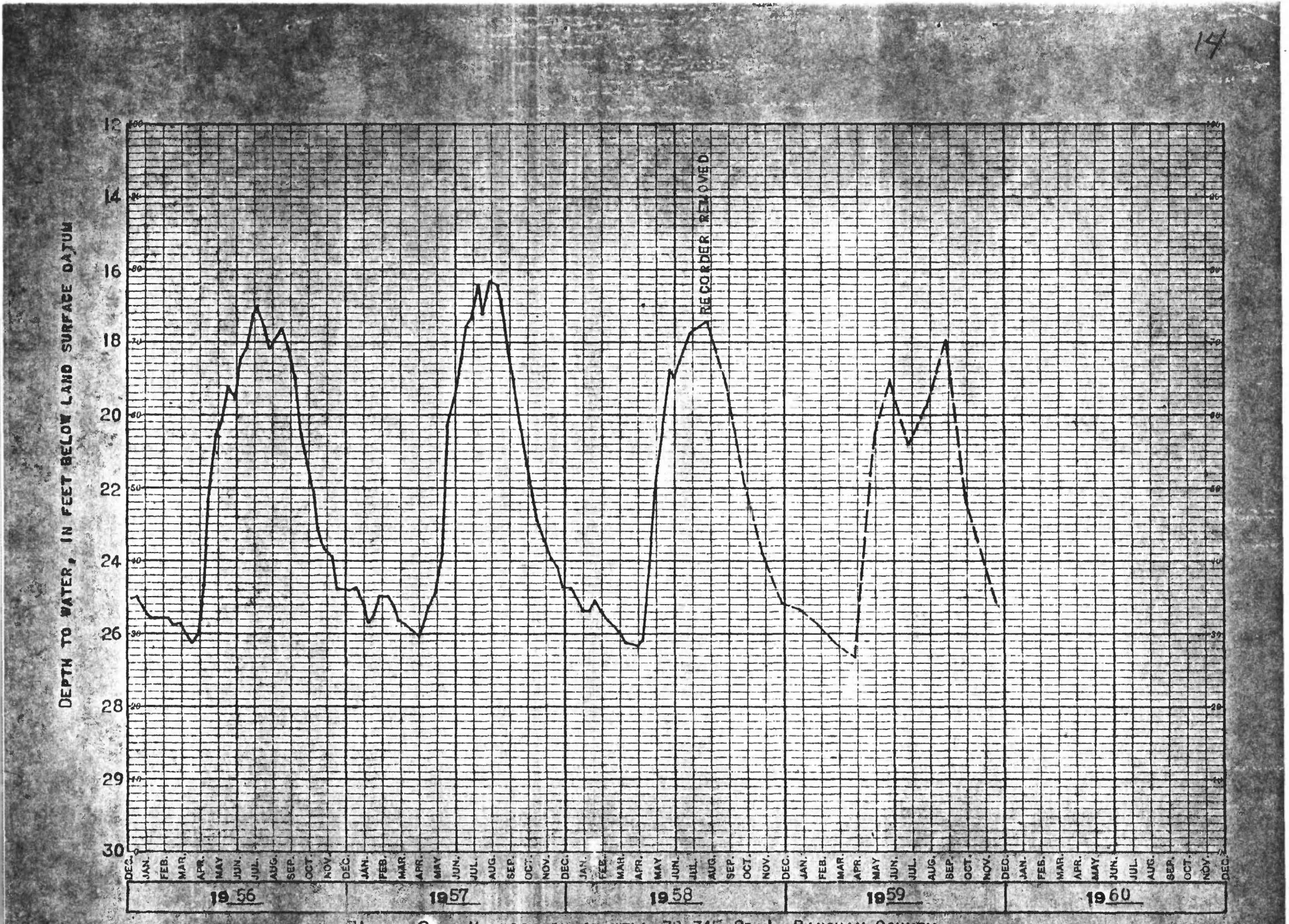


Figure 2. — HYDROGRAPH OF WELL 38-34E-8DA1, BINGHAM COUNTY.

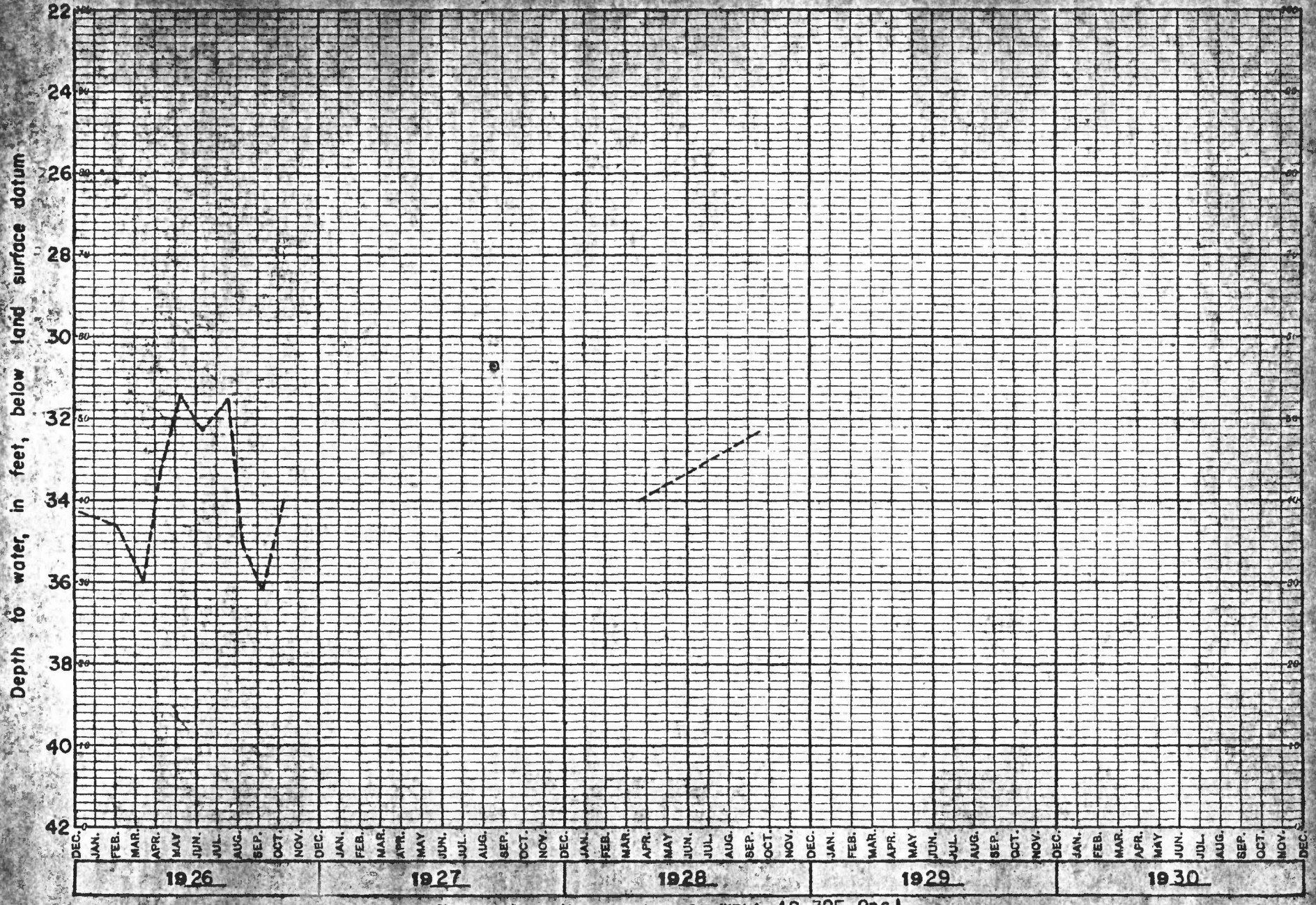


FIGURE 3.—HYDROGRAPH OF WELL 4S-32E-9DC1

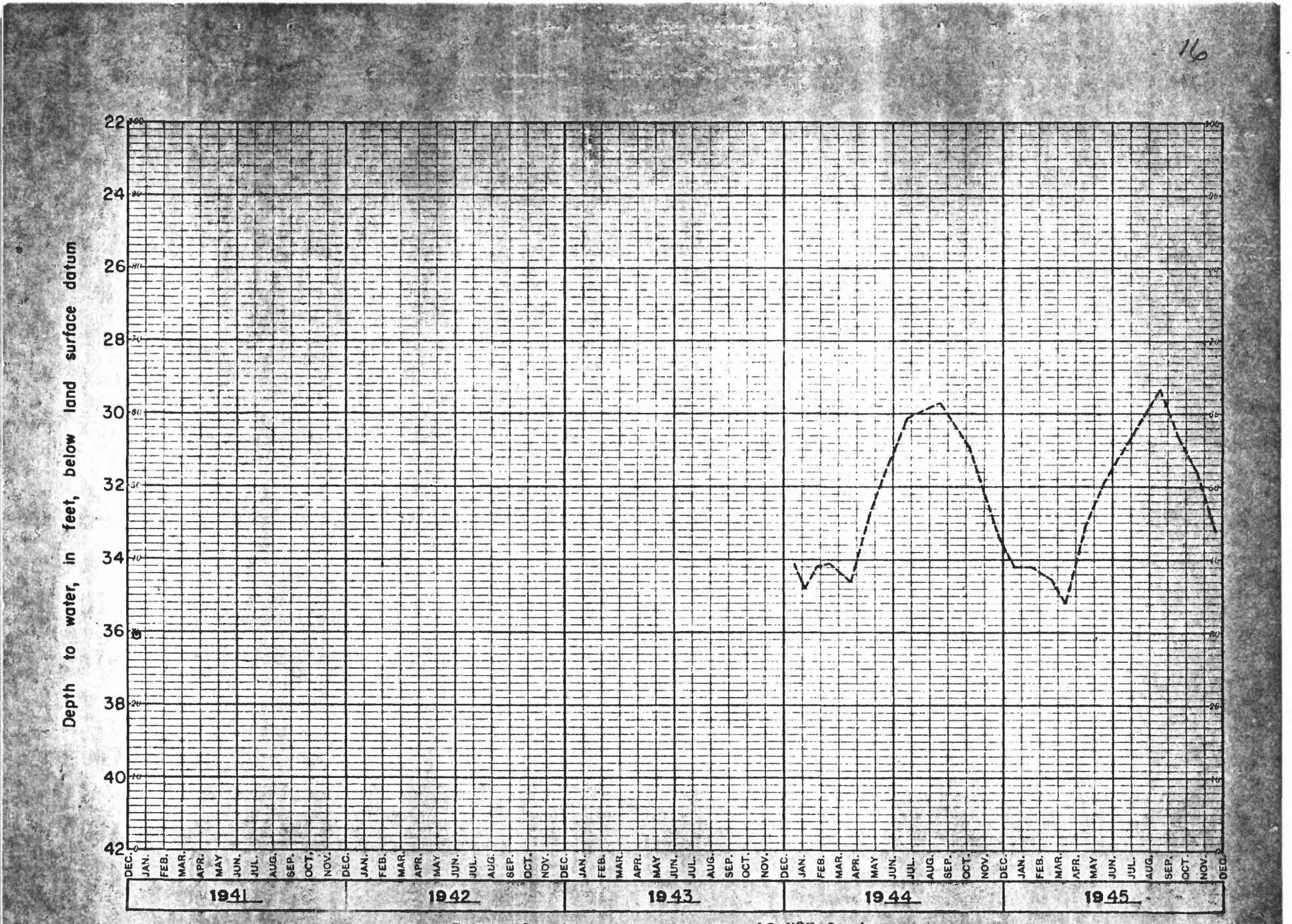


FIGURE 3c.—HYDROGRAPH OF WELL 4S-32E-9DC1

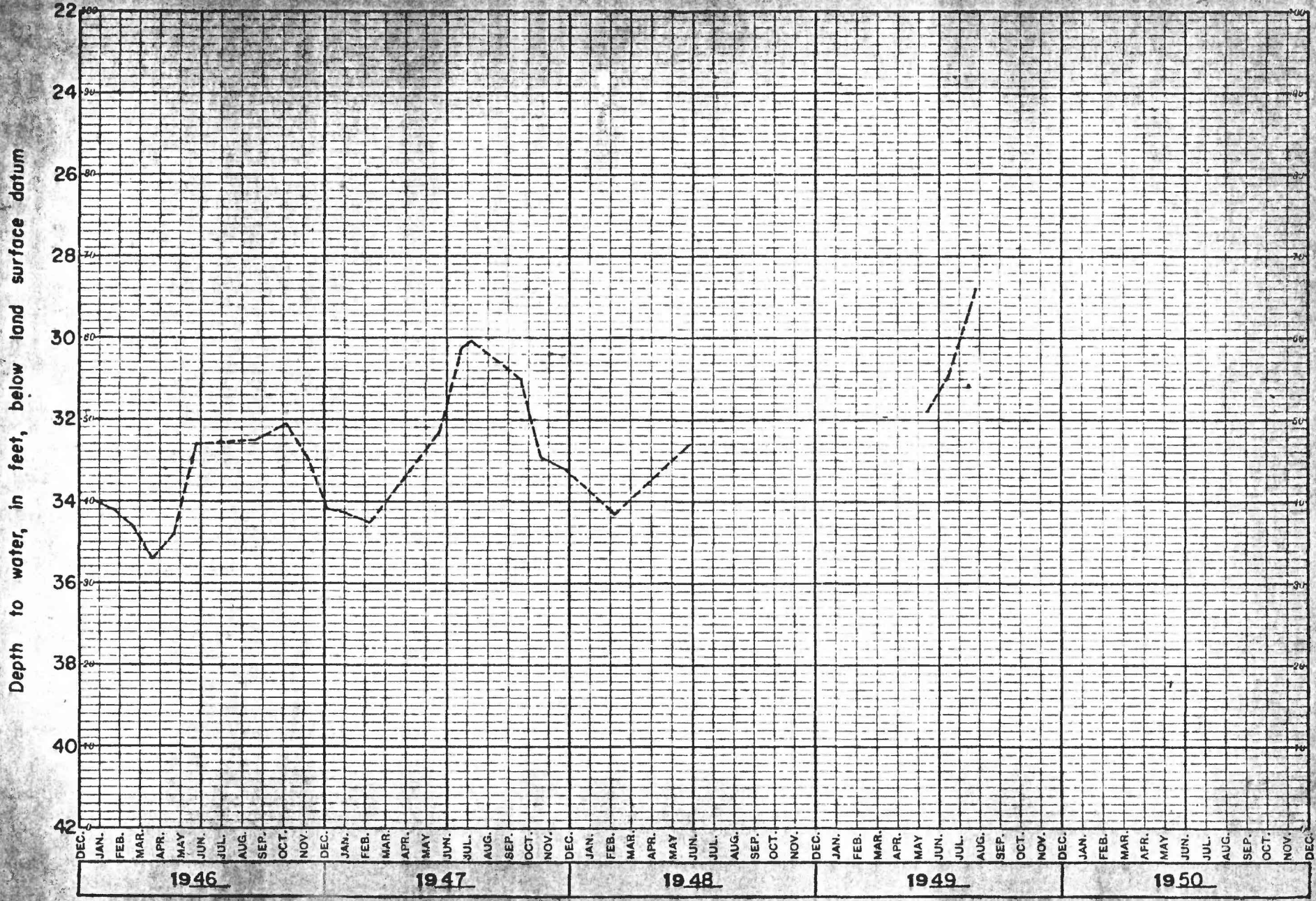


FIGURE 3.—HYDROGRAPH OF WELL 4S-32E-9DC1

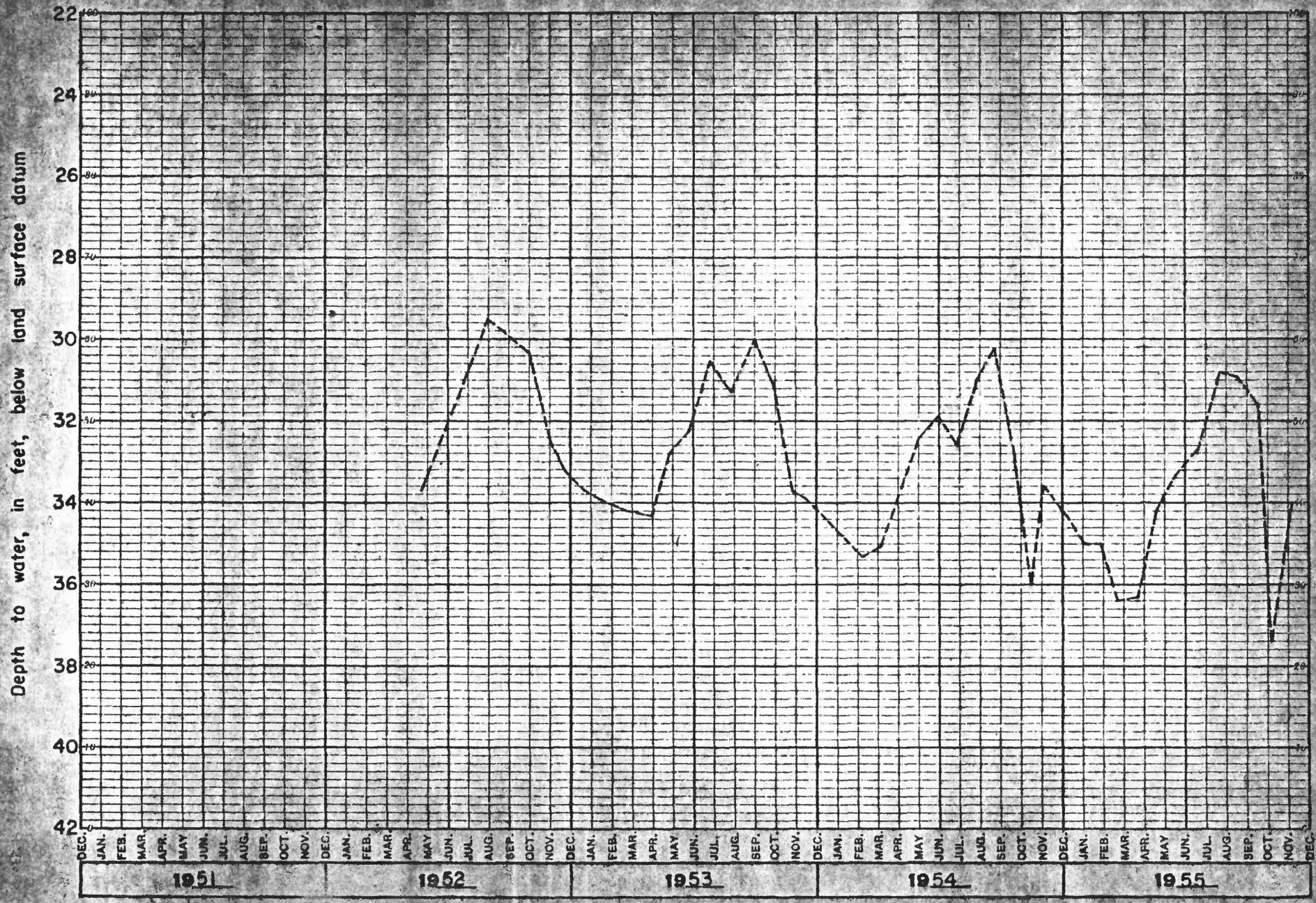


FIGURE 3.—HYDROGRAPH OF WELL 4S-32E-9DC1

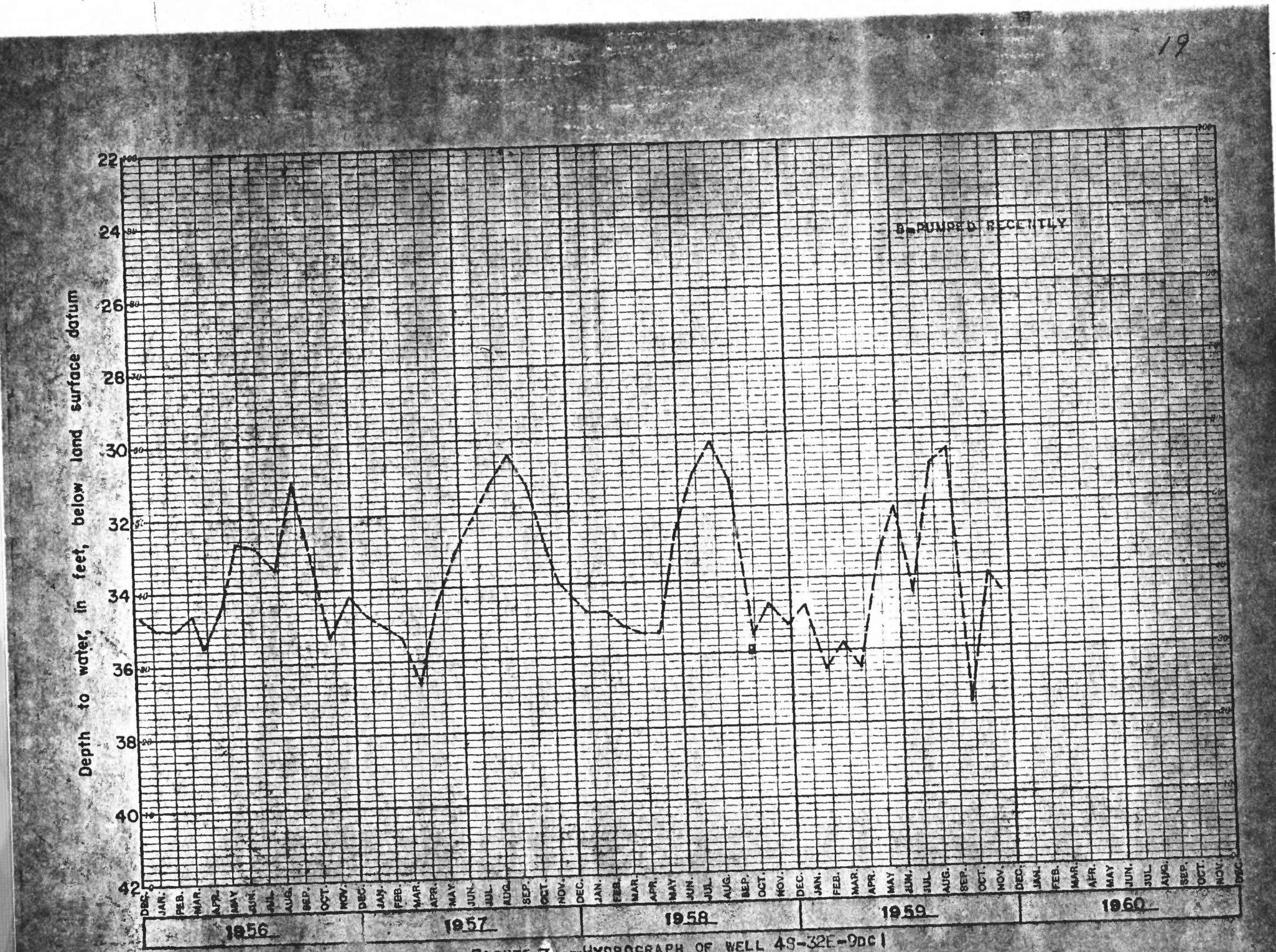


FIGURE 3.---HYDROGRAPH OF WELL 49-32E-9DC1

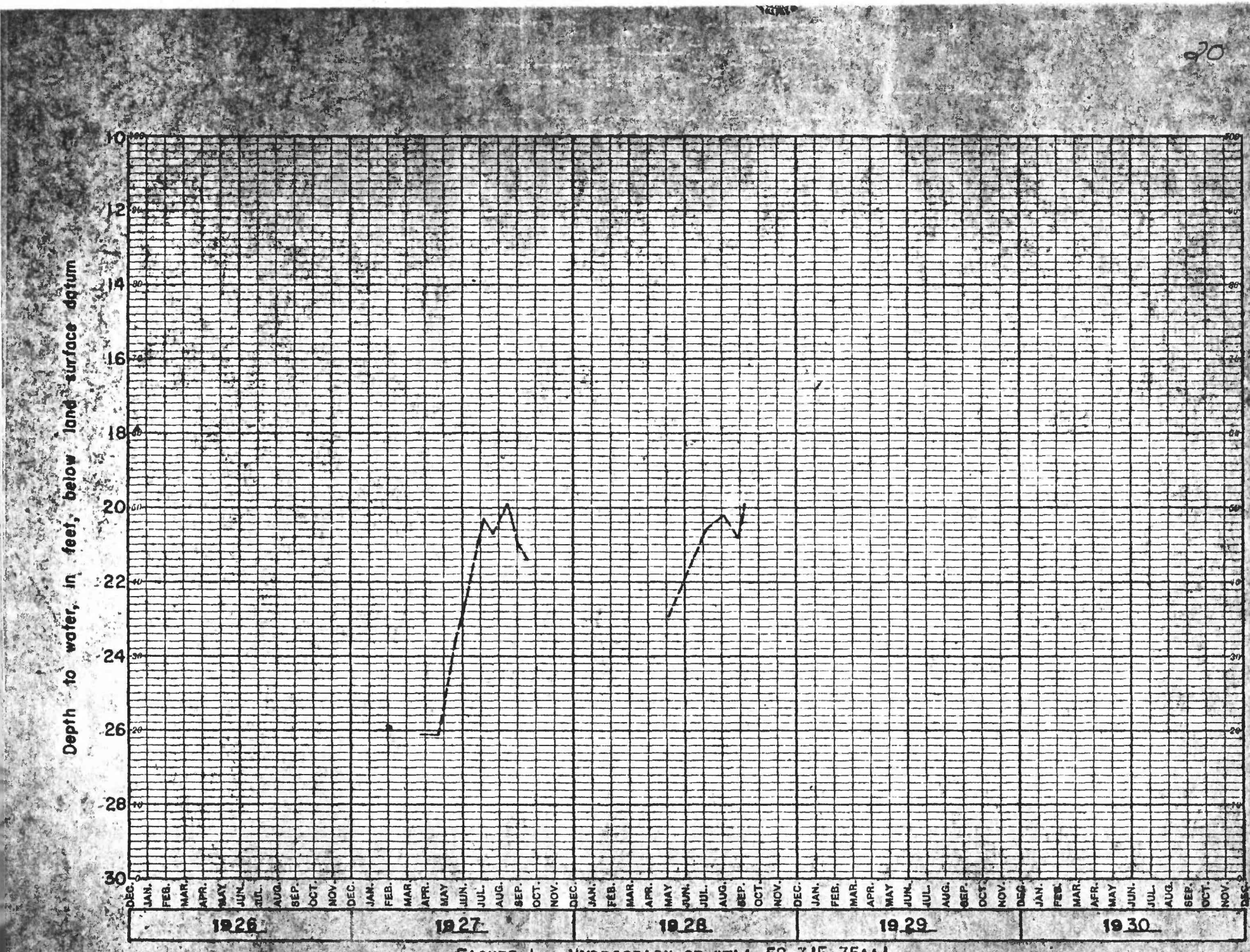


FIGURE 4.—HYDROGRAPH OF WELL 5S-31E-35AA1

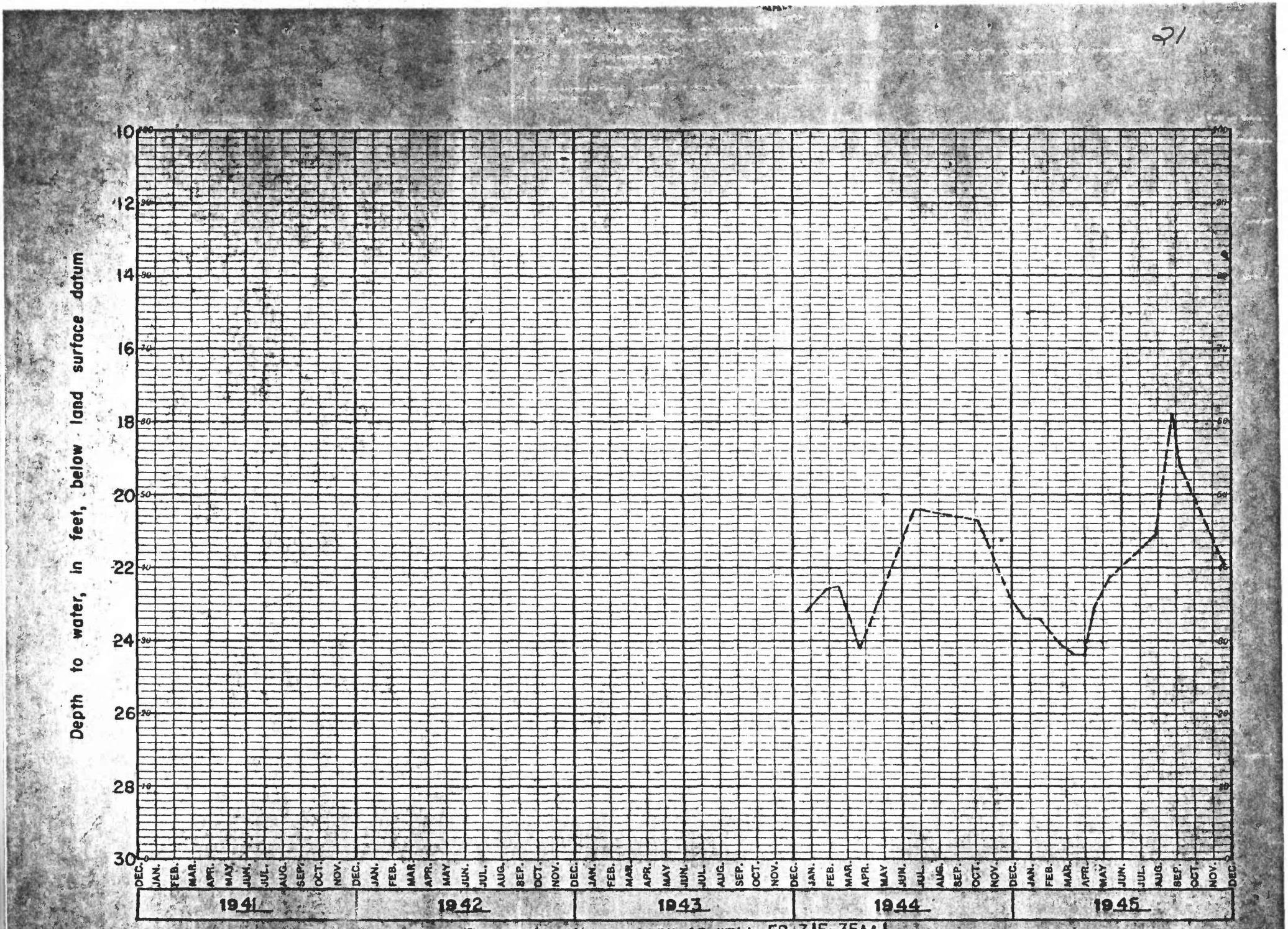


FIGURE 4.—HYDROGRAPH OF WELL 5S-3IE-35AA1

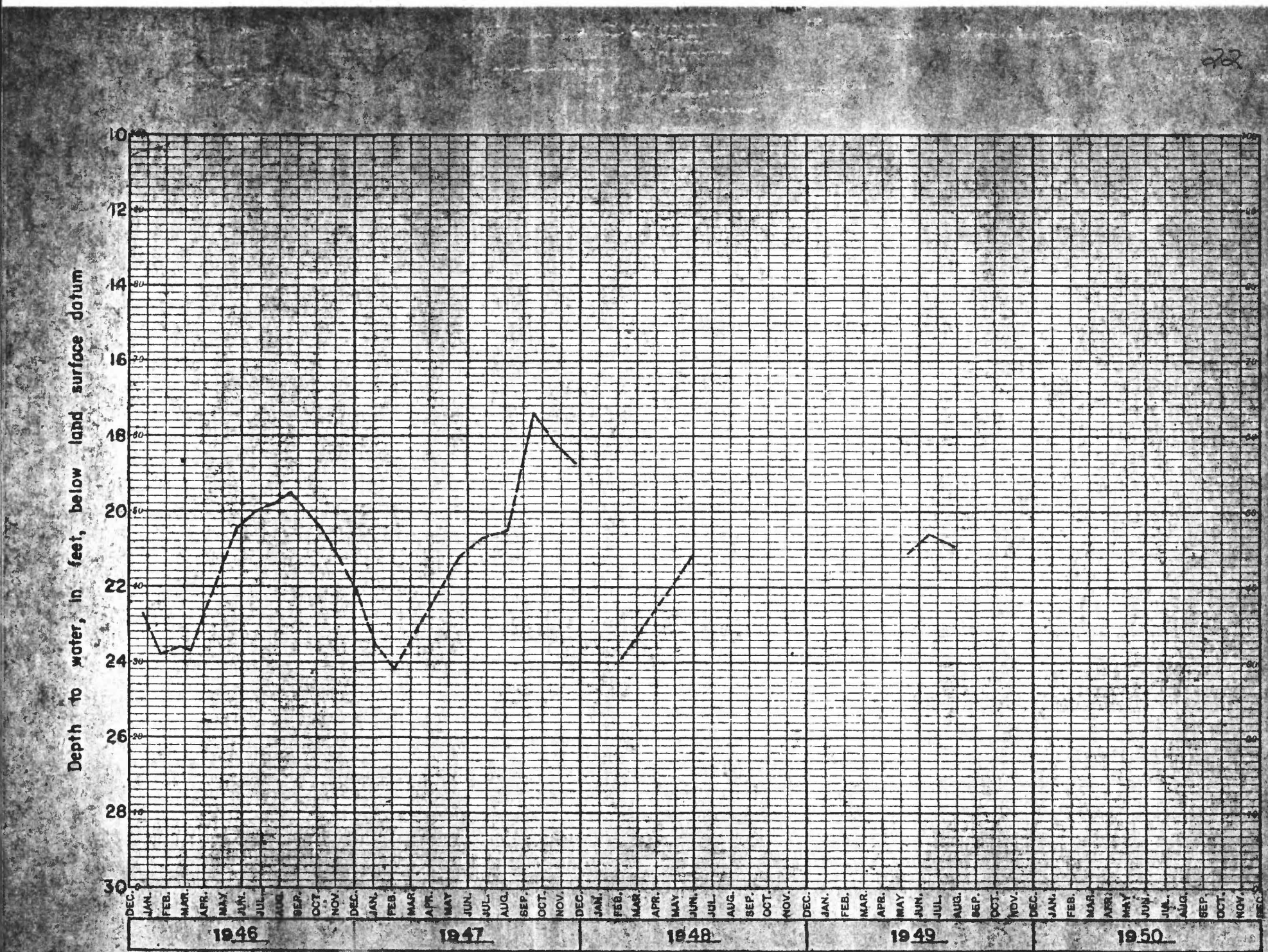


FIGURE 4a.—HYDROGRAPH OF WELL 6S-3|E-35AA1

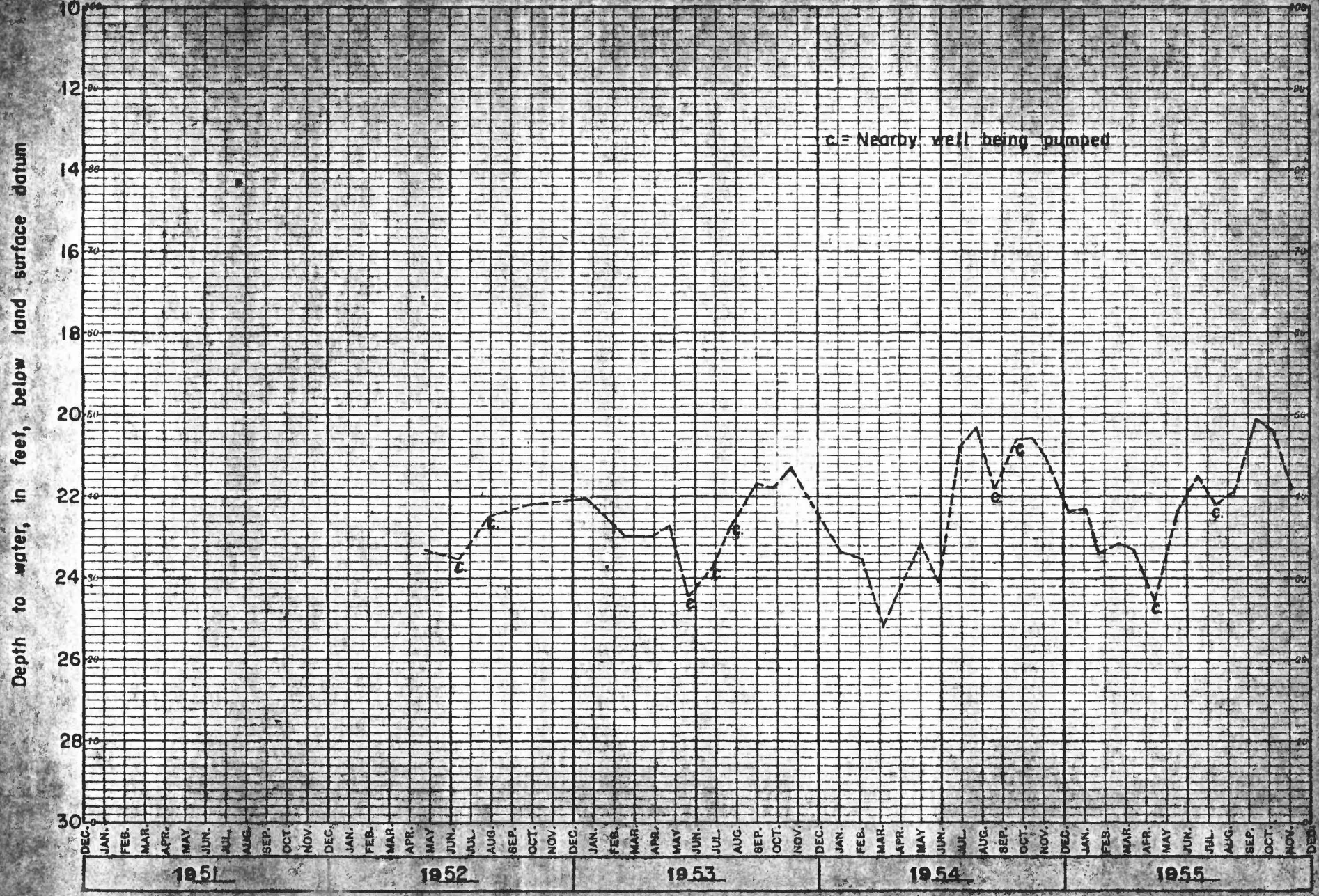


FIGURE 4.—HYDROGRAPH OF WELL 5S-3 1E-35AA 1

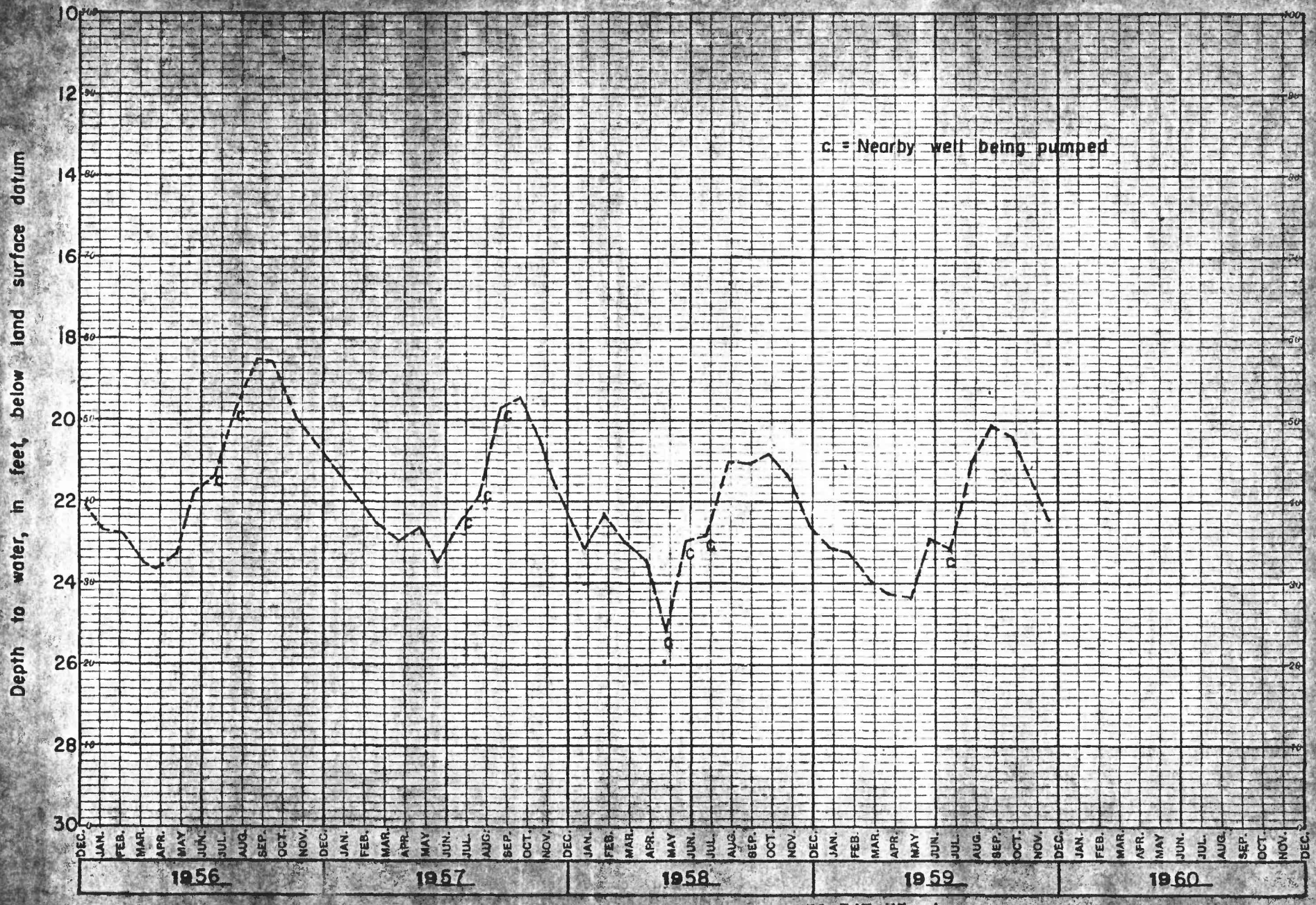


FIGURE 4.—HYDROGRAPH OF WELL 5S-3IE-35AA1

BINGHAM COUNTY

2S-34E-33bbl. Clarence Cope. Formerly Fred Serr.

Date	Water level	Date	Water level	Date	Water level
Jan. 28	30.57	May 28	28.66	Sept. 24	25.73
Feb. 24	31.94	June 23	26.82	Oct. 24	28.62
Mar. 26	31.49	July 22	26.62	Nov. 24	29.95
Apr. 23	31.70	Aug. 25	26.07	Dec. 16	30.43

3S-33E-14bbl. F. J. Webb

Jan. 28	40.40	May 27	38.96	Sept. 24	36.83
Feb. 24	42.73	June 23	38.38	Oct. 24	38.28
Mar. 26	43.02	July 21	37.65	Nov. 24	39.42
Apr. 23	40.72	Aug. 25	37.14	Dec. 16	39.80

3S-33E-22cdl. G. R. Atwood

Mar. 26	43.54	July 21	39.90	Nov. 24	42.29
Apr. 23	43.52	Aug. 25	39.36	Dec. 16	42.70
May 28	41.22	Sept. 24	39.37		
June 23	40.30	Oct. 24	40.87		

3S-34E-8bal. Heber M. Fackrell

Jan. 28	25.37	May 28	20.52	Sept. 24	17.99
Feb. 24	25.72	June 23	19.05	Oct. 24	22.20
Mar. 26	26.25	July 22	a 20.81	Nov. 24	24.38
Apr. 23	26.62	Aug. 25	a 19.76	Dec. 16	25.12

a Pumping

3S-34E-19cdl. Herb Strow

Date	Water level	Date	Water level	Date	Water level
Jan. 28	46.80	May 27	44.72	Sept. 24	41.63
Feb. 24	46.97	June 23	42.30	Oct. 24	44.47
Mar. 26	47.90	July 21	42.47	Nov. 24	46.20
Apr. 23	47.66	Aug. 25	41.95	Dec. 16	47.19

4S-31E-22cdl. Sam Heany

Jan. 28	36.17	Feb. 24	36.59		

4S-31E-36abl. U. S. Geological Survey

July 26	6.75	Sept. 24	1.70	Nov. 23	2.25
Aug. 25	2.73	Oct. 24	1.61	Dec. 16	2.71

4S-31E-36bal. Eldridge Test well

Jan. 28	Dry	May 27	2.95	Sept. 24	0.93
Feb. 24	Dry	June 23	1.66	Nov. 23	5.17
Mar. 25	Dry	July 21	0.93	Dec. 16	Dry
Apr. 23	Dry	Aug. 25	0.32		

Measurements discontinued

4S-32E-9dcl. Bob Chandler

Jan. 28	34.72	May 27	33.37	Sept. 24	30.51
Feb. 24	36.52	June 23	32.07	Oct. 24	37.49
Mar. 25	35.77	July 21	34.28	Nov. 24	33.98
Apr. 23	36.50	Aug. 25	30.94	Dec. 16	34.45

4S-32E-24cb1. Crystal Springs Trout Farm

Date	Water level	Date	Water level	Date	Water level
Jan. 28	5.49	May 27	4.25	Sept. 24	4.12
Feb. 24	5.47	June 23	3.99	Oct. 24	4.80
Mar. 25	5.58	July 21	4.29	Nov. 24	5.28
Apr. 23	5.53	Aug. 25	4.40	Dec. 16	5.53

4S-32E-28cc2. O. E. Nelson

Feb. 24	5.42	Apr. 23	4.55	June 23	3.34
Mar. 25	5.28	May 27	3.41	July 21	3.76

4S-33E-1bc1. Herbert Crumley

Mar. 25	28.46	July 21	25.20	Nov. 24	27.44
Apr. 23	29.33	Aug. 25	24.03	Dec. 16	27.78
May 27	24.78	Sept. 24	24.15		
June 23	25.05	Oct. 24	26.08		

4S-33E-3cb2. R. F. Cammack

Mar. 25	38.72	May 27	35.49	July 23	33.13
Apr. 23	38.93	June 23	33.79	Recorder installed	

FORM 9-145 UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION - GROUND WATER BRANCH

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COUNTY Bingham WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS STATE Idaho YEAR 1959

43-33E-3cb2. R. F. Dammack. Drilled unused water-table well in Snake River basalt of Quaternary age, diameter 6 inches, depth 53 feet, cased to 12.

Highest water level 32.67 Aug. 17 1959; lowest 38.93 Apr. 23 1959; Records available 1959

(Daily Noon water level in feet below lsd, from recorder graph)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1								32.96	33.08	33.20	36.07	37.63
2								32.80	33.12	33.31	36.05	37.62
3								32.77	33.10	33.39	35.91	37.51
4								32.75	33.05	33.49	36.01	37.65
5								32.84	33.10	33.53	36.43	37.77
6								32.93	33.10	33.48	36.53	37.75
7								33.02	33.06	33.55	36.52	37.62
8								32.98	32.92	33.69	36.62	37.59
9								32.87	33.10	33.58	36.64	37.55
10								32.75	33.12	33.76	36.59	37.61
11								32.73	33.11	33.95	36.61	37.69
12								32.75	33.10	34.04	36.48	37.66
13								32.81	33.01	34.20	36.69	37.58
14								32.77	32.89	34.22	36.74	37.81
15								32.75	32.84	34.16	36.67	37.89
16								32.71	32.78	34.29	36.90	37.88
17								32.67	32.73	34.45	37.08	37.85
18								32.75	32.84	34.46	37.03	37.91
19								32.80	32.92	34.43	36.99	38.01
20								32.92	32.97	34.52	37.12	37.97
21								33.02	33.00	34.73	36.95	37.84
22									33.02	34.88	37.15	37.88
23									33.02	35.10	37.23	37.88
24							33.11		33.05	35.22	37.32	37.75
25							33.13		32.93	35.17	37.19	37.60
26							32.93	32.83	32.90	35.35	37.39	37.97
27							32.94	32.83	32.98	35.32	37.49	38.13
28							32.94	32.88	33.21	35.45	37.52	38.14
29							32.98	33.02	33.34	35.58	37.53	38.09
30							33.01	33.10	33.20	35.78	37.55	37.87
31							33.07	33.01		35.99		37.76

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4S-33E-15bb2. Gerald C. Kinney

Date	Water level	Date	Water level	Date	Water level
Jan. 28	30.98	May 27	a 31.52	Sept. 24	26.48
Feb. 24	32.97	June 23	a 31.64	Oct. 24	28.00
Mar. 25	31.33	July 21	a 31.30	Nov. 24	30.07
Apr. 23	31.53	Aug. 25	a 29.95	Dec. 16	30.66

4S-33E-22cb1. Josephine Shelman

Jan. 28	24.98	May 27	a 28.54	Sept. 24	a 24.52
Feb. 24	24.98	June 23	a 28.00	Oct. 24	23.60
Mar. 28	25.16	July 21	a 28.48	Nov. 24	24.54
Apr. 23	25.38	Aug. 25	23.98	Dec. 16	24.93

4S-34E-5cc1. U. S. Geological Survey

Jan. 29	3.84	May 27	4.39	Sept. 24	3.79
Feb. 24	3.89	June 23	5.10	Oct. 24	3.52
Mar. 26	4.24	July 21	5.28	Nov. 24	3.60
Apr. 23	4.37	Aug. 25	4.53	Dec. 16	3.80

5S-31E-4da1. Ernest Underwood

Jan. 28	48.65	May 27	48.97	Sept. 24	b 48.07
Feb. 24	48.74	June 23	48.67	Oct. 24	47.81
Mar. 25	49.15	July 20	48.80	Nov. 23	48.23
Apr. 23	a 53.36	Aug. 25	47.99	Dec. 16	a 52.65

a Pumping
b Pumped recently

5S-31E-19ddl. Don Dancliff

Date	Water level	Date	Water level	Date	Water level
Jan. 28	41.88	May 27	41.62	Sept. 24	41.47
Feb. 24	a 42.09	June 23	a 41.73	Oct. 24	41.50
Mar. 25	42.32	July 20	41.89	Nov. 23	41.92
Apr. 23	42.53	Aug. 25	41.70	Dec. 16	42.07

5S-31E-33bdl. H. L. Lowe

Jan. 28	17.74	May 27	11.58	Sept. 24	12.35
Feb. 23	16.75	June 23	11.11	Oct. 24	15.55
Mar. 25	17.83	July 20	10.67	Nov. 23	17.05
Apr. 23	18.00	Aug. 25	10.52	Dec. 15	17.47

5S-31E-35aal. Maril Beck

Jan. 28	23.14	May 27	24.35	Sept. 24	20.12
Feb. 24	23.25	June 23	22.90	Oct. 24	20.40
Mar. 25	23.94	July 20	c 23.18	Nov. 23	21.59
Apr. 23	24.26	Aug. 25	21.03	Dec. 16	22.45

a Pumping
c Nearby well being pumped

Form 9-329

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION - GROUND WATER BRANCH

COUNTY BINGHAM — WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS — STATE IDAHO — YEAR 1959

6S-31E-27AB1. WOODROW YOUNGSTROM. FORMERLY H. L. LOWE. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER BASALT, DIAMETER 10 TO 12 INCHES, DEPTH 46 FEET, CASED TO 20. MEASUREMENTS PRIOR TO 1952 BY ABERDEEN-SPRINGFIELD CANAL CO. LAND-SURFACE DATUM IS 4,399.8 FEET ABOVE MSL DATUM OF 1929. (PRELIMINARY ADJ.)

Highest water level 16.10 Sept. 4 1956; lowest 25.25 Apr. 27 1959; Records available 1945-49, 1952-59

Daily NOON water level IN FEET BELOW LSD. from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.98	22.98	23.69	24.68	24.66	19.06	16.37	13.52	13.19	14.29	17.70	20.35
2	21.06	22.95	23.82	24.56	24.66	18.96	16.14	13.34	13.19	14.55	17.66	20.26
3	21.35	22.92	23.67	24.62	24.42	18.72	15.96	13.35	13.00	14.68	17.57	20.20
4	21.50	22.81	23.86	24.61	24.16	18.60	15.69	13.28	13.01	14.89	18.01	20.46
5	21.36	23.08	23.77	24.68	24.06	18.62	15.26	13.27	12.93	14.98	18.22	20.54
6	21.46	22.97	23.86	24.72	24.00	18.67	15.09	13.12	12.93	15.03	18.14	20.51
7	21.71	23.00	23.80	24.79	23.78	18.68	15.18	13.05	12.59	15.31	18.25	20.47
8	21.82	23.03	23.86	24.79	23.47	18.56	15.30	13.07	12.59	15.41	18.37	20.54
9	21.79	23.04	23.90	24.85	23.22	18.34	15.13	13.18	12.86	15.35	18.31	20.57
10	21.80	23.20	23.99	24.86	23.23	18.35	14.98	13.19	12.94	15.77	18.44	20.73
11	21.90	23.10	24.13	24.90	23.35	18.22	14.78	13.30	13.15	15.89	18.36	20.83
12	21.90	23.31	23.96	24.87	23.37	18.05	14.62	13.36	13.16	16.08	18.38	20.85
13	22.04	23.45	23.81	24.80	23.15	18.01	14.59	13.43	13.09	16.23	18.78	20.70
14	22.07	23.44	24.12	24.86	22.99	17.93	14.60	13.16	12.87	16.29	18.67	21.11
15	22.19	23.46	24.23	24.84	22.80	17.83	14.49	12.84	12.90	16.27	18.70	21.17
16	22.13	23.43	24.24	24.93	22.53	17.63	14.43	12.59	12.82	16.51	19.11	21.09
17	22.22	23.48	24.16	24.90	22.17	17.64	14.34	12.32	12.93	16.56	19.06	21.13
18	22.16	23.50	24.12	24.88	22.05	17.66	14.04	12.23	13.06	16.50	19.01	21.31
19	22.09	23.49	24.16	25.03	21.99	17.68	13.84	12.12	13.17	16.40	19.19	21.40
20	22.22	23.46	24.41	25.10	21.86	17.64	13.79	12.44	13.29	16.56	19.21	21.33
21	22.45	23.40	24.18	25.12	21.53	17.56	13.92	12.58	13.49	16.62	19.22	21.38
22	22.45	23.40	24.14	25.08	21.38	17.46	14.03		13.52	16.73	19.47	21.43
23	22.50	23.57	24.21	25.06	21.11	17.45	13.93		13.62	16.91	19.53	21.47
24	22.48	23.68	24.32	24.98	20.75	17.34	13.84		13.59	16.87	19.60	21.34
25	22.50	23.66	24.44	24.95	20.46	17.16	13.80	12.97	13.45	16.90	19.54	21.40
26	22.57	23.59	24.39	25.09		17.07	13.52	12.87	13.36	17.05	19.90	21.87
27	22.58	23.68	24.47	25.25	20.06	17.01	13.44	12.94	13.71	17.01	19.96	21.93
28	22.53	23.79	24.44	25.23	19.90	16.93	13.66	13.05	13.98	17.20	19.97	21.89
29	22.79		24.43	25.14	19.70	16.79	13.76	13.17	14.09	17.34	20.04	21.87
30	22.85		24.38	24.93	19.54	16.66	13.80	13.20	14.07	17.50	20.12	21.67
31	22.95		24.4		19.31		13.82	13.11		17.69		21.76

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5S-32E-6ddl. Dayton Martin

Date	Water level	Date	Water level	Date	Water level
Jan. 28	5.27	May 27	2.20	Sept. 24	3.99
Feb. 24	3.72	June 23	3.52	Oct. 24	5.72
Mar. 25	3.89	July 21	3.62	Nov. 23	6.29
Apr. 23	3.45	Aug. 25	3.59	Dec. 16	6.85

5S-32E-7ccl. Aberdeen-Springfield Canal Co.

Jan. 28	2.43	May 27	2.48	Aug. 25	2.59
Feb. 24	2.44	June 23	2.51	Sept. 24	2.62
Mar. 25	2.60	July 21	2.53	Nov. 23	2.58
Apr. 23	2.46	26	2.58	Dec. 16	2.57

5S-32E-7cc2. U. S. Geological Survey

July 21	11.93	Aug. 25	3.33	Nov. 23	2.47
22	7.62	Sept. 24	1.96	Dec. 16	3.33
26	5.17	Oct. 24	2.04		

6S-31E-7bal. Aberdeen Airport

Jan. 28	81.03	May 27	81.51	Sept. 24	82.05
Feb. 23	81.23	June 23	82.11	Oct. 24	81.19
Mar. 25	82.26	July 20	82.55	Nov. 23	81.28
Apr. 23	81.50	Aug. 25	82.29	Dec. 15	81.44

6S-31E-11bcl. Ed Philips

Date	Water level	Date	Water level	Date	Water level
Jan. 28	32.26	May 27	30.04	Sept. 24	21.90
Feb. 23	32.94	June 23	27.00	Oct. 24	24.44
Mar. 25	33.30	July 20	22.34	Nov. 23	27.42
Apr. 23	33.53	Aug. 25	20.54	Dec. 15	28.86

6S-31E-16bal. Aberdeen-Springfield Canal Co.

Jan. 28	15.92	May 27	a 18.74	Sept. 24	11.61
Feb. 23	16.10	June 23	13.18	Oct. 24	12.85
Mar. 25	16.30	July 20	a 23.98	Nov. 23	14.02
Apr. 23	16.35	Aug. 25	11.52	Dec. 15	14.72

6S-31E-30dal. Barthalama

Jan. 28	50.90	May 27	47.55	Sept. 24	42.75
Feb. 23	51.53	June 23	44.65	Oct. 24	45.89
Mar. 25	51.90	July 20	43.57	Nov. 23	48.46
Apr. 23	52.00	Aug. 25	42.67	Dec. 15	49.58

a Pumping

FORM 9-145 UNITED STATES DEPARTMENT OF THE INTERIOR-GEOLOGICAL SURVEY-WATER RESOURCES DIVISION-GROUND WATER BRANCH

COUNTY POWER WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS STATE IDAHO YEAR 1959

5S-33E-35001. U. S. GEOL. SURVEY. DRILLED OBSERVATION WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE, DIAMETER 6 INCHES, DEPTH 60 FEET, CASED TO 60, OPEN BOTTOM.

Highest water level 22.74 Oct. 2 1957; lowest 25.16 Apr. 7 1956; Records available 1955-59

(Daily NOON water level IN FEET BELOW LSD. (from recorder graph)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.03	24.39	24.44	24.58	24.77	24.71	24.65	24.59	24.07	23.47	23.92	24.24
2	24.03	24.39	24.48	24.51	24.80	24.76	24.65	24.54	24.06	23.50	23.88	24.23
3	24.12	24.36	24.40	24.53	24.78	24.76	24.61	24.47	24.09	23.51	23.83	24.20
4	24.19	24.30	24.48	24.46	24.76	24.82	24.59	24.46	24.02	23.53	23.88	24.26
5	24.14	24.38	24.47	24.45	24.80	24.91	24.59	24.47	24.05	23.52	24.01	24.29
6	24.13	24.36	24.47	24.43	24.83	24.94	24.53	24.51	24.05	23.48	24.01	24.28
7	24.23	24.34	24.44	24.45	24.83	24.97	24.56	24.52	24.01	23.54	23.97	24.25
8	24.25	24.34	24.49	24.43	24.81	24.92	24.67	24.49	24.00	23.55	24.01	24.24
9	24.25	24.33	24.49	24.42	24.80	24.85	24.64	24.46	24.04	23.49	24.01	24.24
10	24.24	24.38	24.50	24.42	24.85	24.86	24.66	24.36	23.98	23.62	23.95	24.25
11	24.25	24.35	24.55	24.44	24.89	24.94	24.69	24.34	23.98	23.63	23.97	24.29
12	24.24	24.40	24.48	24.43	24.97	24.95	24.67	24.35	23.96	23.66	23.91	24.31
13	24.25	24.45	24.42	24.39	24.98	24.96	24.64	24.36	23.93	23.70	24.03	24.23
14	24.26	24.47	24.52	24.43	24.93	24.96	24.70	24.26	23.84	23.67	24.00	24.24
15	24.28	24.45	24.57	24.46	24.93	24.93	24.67	24.25	23.79	23.65	23.96	24.36
16	24.24	24.39	24.57	24.50	24.95	24.93	24.68	24.29	23.75	23.73	24.09	24.37
17	24.27	24.40	24.53	24.50	24.87	24.91	24.75	24.25	23.72	23.74	24.11	24.35
18	24.26	24.42	24.50	24.49	24.82	24.90	24.78	24.20	23.72	23.69	24.05	24.37
19	24.26	24.41	24.51	24.57	24.86	24.89	24.73	24.16	23.72	23.69	24.02	24.40
20	24.25	24.43	24.62	24.61	24.90	24.85	24.70	24.10	23.71	23.71	24.11	24.39
21	24.25	24.39	24.52	24.63	24.83	24.83	24.68	24.11	23.67	23.76	23.99	24.35
22	24.25	24.37	24.48	24.64	24.86	24.76	24.75		23.66	23.79	24.14	24.39
23	24.24	24.44	24.50	24.66	24.85	24.77	24.73		23.62	23.82	24.14	24.39
24	24.24	24.47	24.52	24.64	24.85	24.72	24.69		23.59	23.80	24.17	24.34
25	24.24	24.46	24.55	24.71		24.72	24.74	24.03	23.52	23.74	24.08	24.30
26	24.23	24.42	24.51	24.74		24.68	24.66	24.04	23.45	23.81	24.19	24.48
27	24.23	24.45	24.52	24.80	24.74	24.69	24.50	24.06	23.48	23.77	24.19	24.53
28	24.22	24.49	24.54	24.81	24.74	24.69	24.53	24.12	23.53	23.80	24.19	24.49
29	24.33		24.47	24.83	24.71	24.66	24.61	24.10	23.53	23.81	24.19	24.47
30	24.34		24.45	24.81	24.67	24.64	24.61	24.16	23.47	23.86	24.20	24.38
31	24.37		24.		24.74		24.63	24.09		23.91		24.37

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FORM 9-125 UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY—WATER RESOURCES DIVISION—GROUND WATER BRANCH

COUNTY Power WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS STATE Idaho YEAR 1959

6S-32E-27A01. U. S. GEOL. SURVEY. DRILLED OBSERVATION WATER-TABLE WELL IN SAND OF QUATERNARY AGE, DIAMETER 6 INCHES, DEPTH 63 FEET, CASED TO 73, PERFORATIONS 63-66, CASING FILLED WITH SAND AND GRAVEL FROM 63-73.

Highest water level 34.37 May 21-26 1955; lowest 38.70 Oct. 18,19 22-26 1959; Records available 1954-59

(Daily NOON water level IN FEET BELOW LSD. from recorder graph)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.35	36.79	36.29	35.71	35.25	35.30	36.06	37.13	38.08	38.60	38.68	38.37
2	37.33	36.77	36.27	35.70	35.24	35.31	36.09	37.16	38.10	38.61	38.68	38.35
3	37.31	36.75	36.25	35.68	35.23	35.32	36.11	37.18	38.13	38.62	38.67	38.34
4		36.73	36.23	35.66	35.23	35.34	36.14	37.23	38.16	38.63	38.66	38.33
5		36.71	36.21	35.64	35.22	35.35	36.17	37.27	38.18	38.63	38.65	38.31
6		36.69	36.20	35.62	35.22	35.37	36.21	37.30	38.20	38.63	38.65	38.29
7		36.67	36.18	35.60	35.21	35.37	36.24	37.34	38.22	38.64	38.64	38.28
8		36.65	36.16	35.59	35.21	35.40	36.27	37.37	38.24	38.64	38.64	38.26
9		36.63	36.14	35.57	35.21	35.41	36.30	37.41	38.27	38.65	38.63	38.24
10	37.20	36.61	36.13	35.56	35.21	35.43	36.33	37.44	38.29	38.65	38.62	38.23
11	37.19	36.59	36.11	35.54	35.20	35.45	36.36	37.47	38.32	38.66	38.61	38.21
12	37.17	36.57	36.09	35.53	35.20	35.48	36.39	37.51	38.34	38.67	38.59	38.19
13	37.15	36.55	36.07	35.51	35.20	35.50	36.42	37.54	38.36	38.66	38.58	38.17
14	37.13	36.53	36.05	35.49	35.20	35.53	36.45	37.58	38.38	38.67	38.57	38.15
15	37.11	36.52	36.03	35.47	35.20	35.55	36.49	37.60	38.40	38.68	38.55	38.13
16	37.10	36.50	36.01	35.45	35.20	35.58	36.51	37.63	38.42	38.68	38.54	38.09
17	37.09	36.48	36.00	35.43	35.20	35.61	36.56	37.66	38.44	38.69	38.63	38.07
18	37.07	36.46	35.98	35.42	35.21	35.63	36.62		38.46	38.70	38.52	38.05
19	37.05	36.44	35.96	35.40	35.21	35.67	36.65		38.47	38.70	38.51	38.03
20	37.03	36.41	35.94	35.39	35.21	35.71	36.68		38.49	38.69	38.49	38.01
21	37.01	36.40	35.93	35.37	35.21	35.73	36.72		38.50	38.69	38.48	37.99
22	36.99	36.38	35.91	35.37	35.22	35.76	36.76		38.52	38.70	38.46	37.97
23	36.97	36.37	35.89	35.35	35.23	35.79	36.80		38.53	38.70	38.45	37.95
24	36.95	36.37	35.87	35.33	35.23	35.81	36.83		38.54	38.70	38.46	37.93
25	36.93	36.35	35.85	35.33		35.86	36.87	37.90	38.54	38.70	38.45	37.89
26	36.91	36.34	35.84	35.30		35.89	36.91	37.92	38.55	38.70	38.44	37.87
27	36.90	36.32	35.81	35.29	35.25	35.92	36.95	37.94	38.55	38.69	38.43	37.85
28	36.86	36.30	35.79	35.29	35.25	35.95	36.98	37.97	38.56	38.69	38.41	37.84
29	36.85		35.77	35.27	35.26	35.98	37.02	38.00	38.58	38.69	38.40	37.82
30	36.83		35.75	35.27	35.27	36.02	37.05	38.03	38.59	38.69	38.39	37.79
31	36.81		35.7		35.28		37.10	38.06		38.68		37.77

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FORM 9-153

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION - GROUND WATER BRANCH

COUNTY Power WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS STATE IDAHO YEAR 1959

6S-33E-20A1. ANTON SMITH. FORMERLY EDNA LAVATTA KUTCH. DRILLED UNUSED WATER-TABLE WELL, DIAMETER 5 INCHES, DEPTH 151 FEET, CASED TO 175.

Highest water level 33.14 Oct. 11,25, 31 June 30, July 1 1954; lowest 36.44 July 19 1959; Records available 1953-59

Daily NOON water level IN FEET BELOW LSD, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.22	34.48	34.45	34.80		35.58	36.02	36.16	35.65	34.22	34.42	34.65
2	34.23	34.47	34.49	34.65		35.47	35.95		35.48	34.24	34.37	34.63
3	34.34	34.44	34.43	34.40			36.03	36.10	35.51	34.23	34.30	34.61
4	34.39	34.37	34.50	34.61			36.06	36.06	35.52	34.24	34.42	34.65
5	34.31	34.48	34.40	34.58			35.94	36.02		34.23	34.53	34.66
6	34.33	34.42	34.45	34.52			36.05	36.20	35.58	34.18	34.47	34.65
7	34.43	34.39	34.42	34.37			36.08	36.11		34.24	34.60	34.61
8	34.46	34.39	34.43	34.34			36.21		34.92	34.23	34.59	34.62
9	34.42	34.37	34.43	34.49			36.21	35.53	34.85	34.15	34.55	34.61
10	34.40	34.44	34.50	34.36			36.25	35.73	34.74	34.30	34.43	34.66
11	34.43	34.37	34.53	34.45			36.31		35.30	34.31	34.59	34.68
12	34.39	34.46	34.44	34.34			36.21	36.00	35.32	34.34	34.38	34.67
13	34.44	34.51	34.38	34.36			35.98	35.83	35.40	34.36	34.52	34.61
14	34.42	34.52	34.51	34.38			36.26	35.75	35.18	34.33	34.42	34.70
15	34.45	34.48	34.55	34.44			36.19	35.97	34.91	34.28	34.40	34.70
16	34.38	34.42	34.54	34.46			36.10	35.75	34.88	34.35	34.57	34.64
17	34.43	34.44	34.46	34.41			36.30		34.89	34.40	34.53	34.63
18	34.40	34.45	34.48	34.45			36.30		34.68	34.32	34.46	34.69
19	34.34	34.44	34.49	34.54			36.44		34.75	34.38	34.44	34.69
20	34.39	34.45	34.56	34.56			36.32		34.89	34.29	34.85	34.63
21	34.49	34.40	34.43	34.58			36.36		34.42	34.48	34.60	34.62
22	34.47	34.36	34.40	34.61			36.41		34.32	34.66	34.63	34.66
23	34.49	34.49	34.44	34.67		35.95	36.18		34.50	34.47	34.63	34.64
24	34.43	34.51	34.48	34.66		35.86	36.37		34.48	34.35	34.69	34.56
25	34.41	34.47	34.52	35.26		36.06	36.23	35.21	34.29	34.32	34.54	34.62
26	34.47	34.46	34.46	35.35		35.65	36.02	35.42	34.18	34.48	34.65	34.94
27	34.41	34.49	34.63	35.00	35.14	36.00	36.02	35.54	34.26	34.42	34.65	34.77
28	34.30	34.52	34.59	35.09	35.18	35.94	35.92	35.60	34.29	34.43	34.62	34.74
29	34.45		34.55		35.04	36.01	36.01	35.78	34.29	34.36	34.63	34.69
30	34.44		34.38		35.40	35.98	36.15	35.68	34.19	34.41	34.64	34.61
31	34.47		34.		35.40		36.13	35.66		34.44		34.64

GPO 8441136

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POWER COUNTY

7S-30E-12cal. Jess Meadows

Date	Water level	Date	Water level	Date	Water level
Jan. 28	50.08	May 27	46.32	Sept. 24	45.38
Feb. 23	a 50.48	June 23	45.86	Oct. 24	a 46.62
Mar. 25	47.14	July 20	a 45.44	Nov. 23	a 48.50
Apr. 23	a 45.22	Aug. 25	45.30	Dec. 15	49.15

7S-31E-13dcl. Paul Evans

No measurements made in 1959.

a Pumping.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

60-125
PLATE 1

EXPLANATION

- Paved road
- Improved road
- Unimproved road
- Railroad
- U.S. highway
- 39 State highway
- Drilled, irrigation, or public supply
- Drilled, domestic or stock
- Drilled, destroyed
- Dug, domestic or stock
- Drilled, domestic or stock—Flowing artesian well
- Drilled, test or drainage well
- Tick on any well symbol indicates project observation well
- Well symbol enclosed with a triangle indicates recording gage record is available
- Drilled, irrigation, or public supply—Wells included in 1954 report
- Canal
- County boundary
- Township line
- Section line
- Boundary, National Reactor Testing Station, U.S. Atomic Energy Commission

Water table well

Wells included in 1953 report

BASE MAP COMPILED FROM IDAHO STATE HIGHWAY COMMISSION COUNTY MAPS

MAP SHOWING LOCATION OF WELLS IN THE ABERDEEN-SPRINGFIELD AREA, BINGHAM AND POWER COUNTIES, IDAHO