

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 1957

By

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Open-file Report

58-95

Boise, Idaho
1958

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RECORDS OF WELLS AND WATER-LEVEL FLUCTUATIONS,
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INTRODUCTION

This report contains records of wells and water-level fluctuations in the Aberdeen-Springfield area in Bingham and Power counties, Idaho for the calendar year 1957. It is the sixth in a series^{1/}, of annual reports covering the area.

Spirit-leveling to wells was done by the U. S. Bureau of Reclamation, in accordance with third order leveling standards. Leveling was not completed to all the wells in 1957 but will be continued the following year.

^{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.

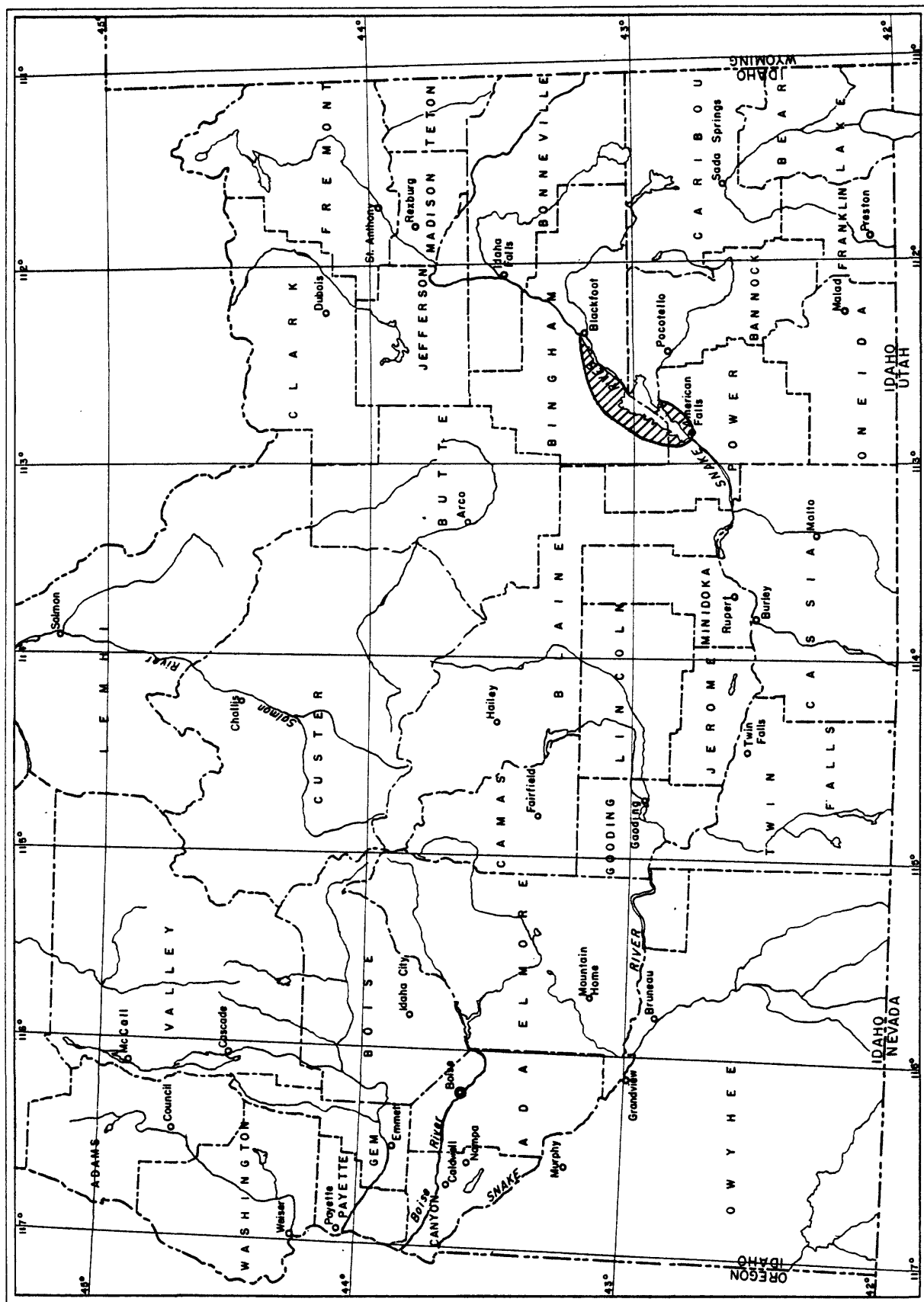
Sisco, Harold G., 1955, Records of wells and water-level fluctuations, in the Aberdeen-Springfield area, Bingham and Power counties, Idaho, in 1954. U. S. Geol. Survey mimeo. report, 30 p., 3 fig., 1 pl.

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.

The main observation-well network lies along the American Falls Reservoir between the village of Thomas and the town of American Falls, and is bounded on the west by the Aberdeen-Springfield highline canal and on the east by the American Falls reservoir (fig. 1).

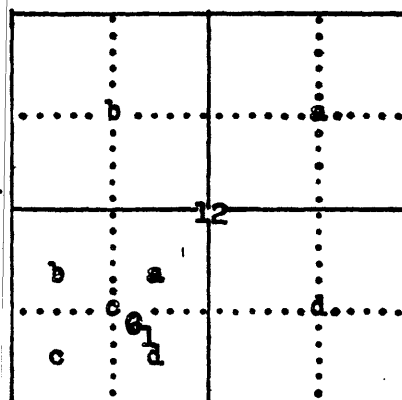
Systematic depth-to-water measurements were made in 25 wells; in addition automatic recording gages were maintained on 6 wells. Three recording gages are located north of American Falls Reservoir in Bingham County and three are located south of American Falls Reservoir in Power County. In order to expand the area covered by continuous record a recording gage was moved from well 7S-31E-13dcl and installed on well 5S-33E-35ccl.



WELL-NUMBERING SYSTEM

The well-numbering system used in Idaho indicates the locations of wells within the official rectangular subdivisions of the public lands, with reference to the Boise baseline and meridian. The first two segments of a number designate the township and range. The third segment gives the section and is 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-32E-12cd1 is in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 12, T. 3 S., R. 32 E., and is the well first visited in that tract.

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

T
3
S

R. 32 E.

3S-32E-12

3S 32E-12cd1

3S-32E-12

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 natural 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 the 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 through first and second order leveling 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 | 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 | Glen Crouch | 1905 | 37 | 7 | 5 | N |
| 19cd1 | Herb Strow | 1937 | R 55 | 6 | - | L |
| 4S-31E-22cd1 | Sam Heany | - | 59 | 6 | - | N |
| 36ba1 | Eldridge (test well) | - | 6 | 2 | 6 | N |
| 4S-32E-9dc1 | Bob Chandler | 1921 | 105 | 6 | 105 | J |
| 12dd1 | Robert Houghland | - | 39 | 4 | - | N |
| 24cb1 | Crystal Springs Trout Farm | - | 9 | 6 | - | L |
| 28cc2 | O. E. Nelson | 1911 | 9 | 6 | - | N |
| 4S-33E-1bc1 | Herbert Crumley | 1940 | 47 | 6 | 6 | L |
| 15bb2 | Gerald C. Kinney formerly Art Van Orden | 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 | H. L. Lowe | 1920 | 46 | 16 | 20 | N |
| 33bd1 | H. L. Lowe | 1912 | 36 | 6 | 36 | N |
| 35aa1 | Maril Beck | 1912 | 61 | 6 | 10 | L |
| 5S-32E-6dd1 | Dayton Martin | - | 21 | 6 | - | L |
| 7cc1 | Aberdeen Spring-field Canal Co. | - | 4 | 2 | 4 | N |
| 6S-31E-7ba1 | Aberdeen Airport | - | 97 | 8 | - | T |
| 11bc1 | Ed Phillips | - | 54 | 6 | - | N |
| 16ba1 | Aberdeen Spring-field Canal Co. | - | 134 | 12 | - | N |
| 30da1 | Barthalama | - | 78 | 7 | - | L |

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 | Land surface datum | |
|-------------------|-----------------------------------|---|-----------|
| | | Distance above or below measuring point | Elevation |
| 0 | 1-in. tap hole in pump base | 1.5 | 4,456.9 |
| 0 | Hole in N side pump stand | 1.6 | 4,461.6 |
| S,0 | Bottom of pump base N side | 1.2 | 4,459.6 |
| 0 | Top of casing E side | 0.2 | 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 2-in. pipe | 1.2 | 4,405.1 |
| D,0 | Hole in casing | -5.1 | 4,438.9 |
| 0 | Top of casing | 0.5 | 4,410.3 |
| 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 |
| 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 concrete floor NE side | -5.1 | 4,448.8 |
| D,S,0 | Top 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 |
| S,0 | Top of casing | 0.9 | 4,391.7 |
| 0 | Bottom edge of pump base | 0.6 | 4,370.8 |
| 0 | Top of drive pipe | 0.8 | 4,375.3 |
| 0 | Lower edge of pump base | 0.5 | 4,457.2 |
| 0 | Top of casing | -9.2 | |
| 0 | Top of concrete cribbing | 0.0 | |
| 0 | Tap hole in pump base | 0.5 | |

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) | |
| 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 | 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 | Land surface datum | |
|-------------------|-----------------------------------|---|-----------|
| | | Distance above or below measuring point | Elevation |
| 0 | Top of casing N side | 2.1 | |
| 0 | Top of casing N side | 2.3 | |
| 0 | Top of casing S side | 0.2 | |
| D,S,0 | Top of casing E side | -2.0 | 4,399.3 |
| 0 | Top of casing SW side | 0.0 | |

WATER LEVELS IN OBSERVATION WELLS

Depth to water measurements made at approximately monthly intervals represent direct measurements by steel tape. Tabulations of daily water levels represent 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 two wells, 4S-32E-9dcl and 5S-31E-35aal, are illustrated by hydrographs in figures 2 and 3.

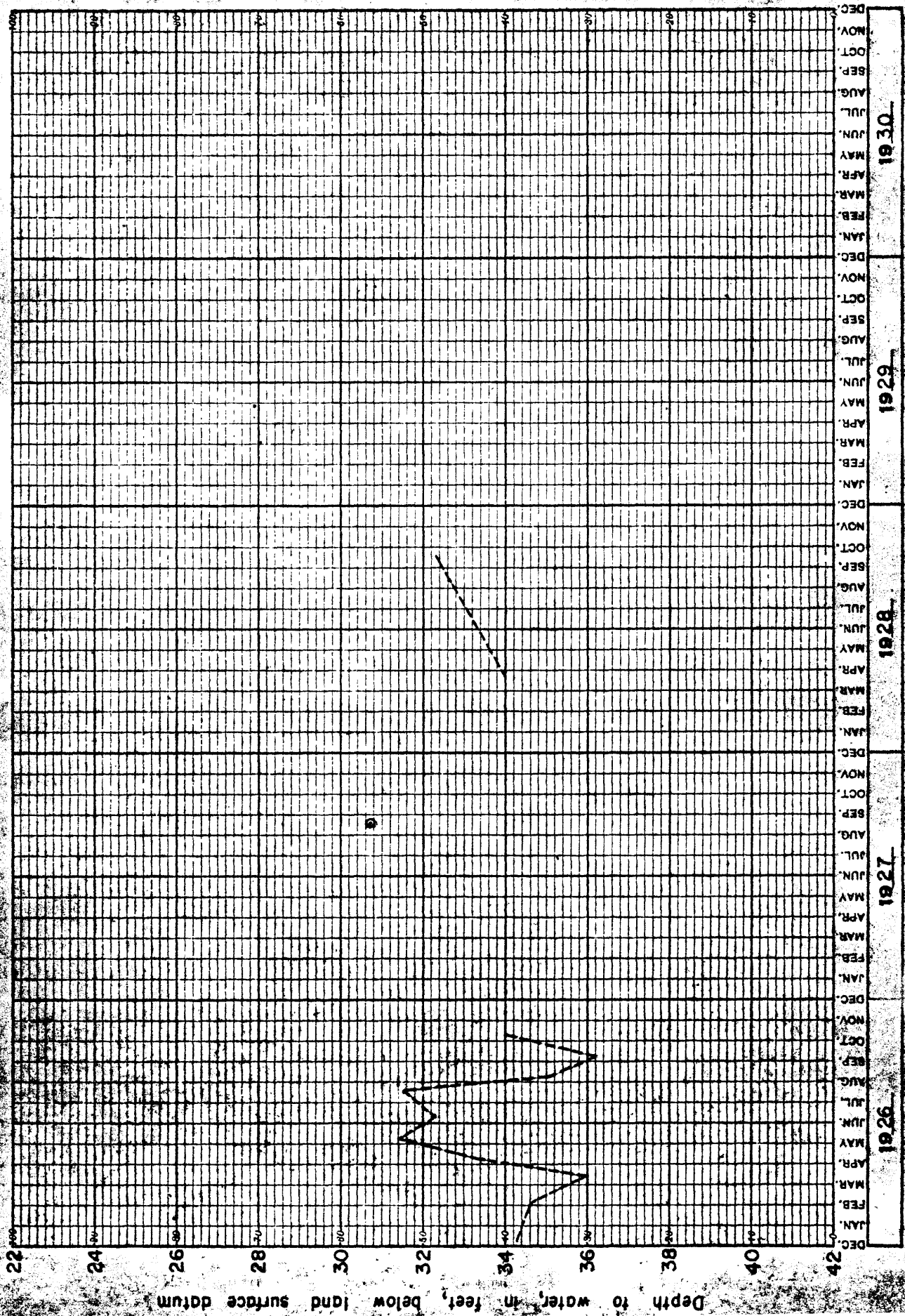


FIGURE 2. HYDROGRAPH OF WELL 48-32E-90C

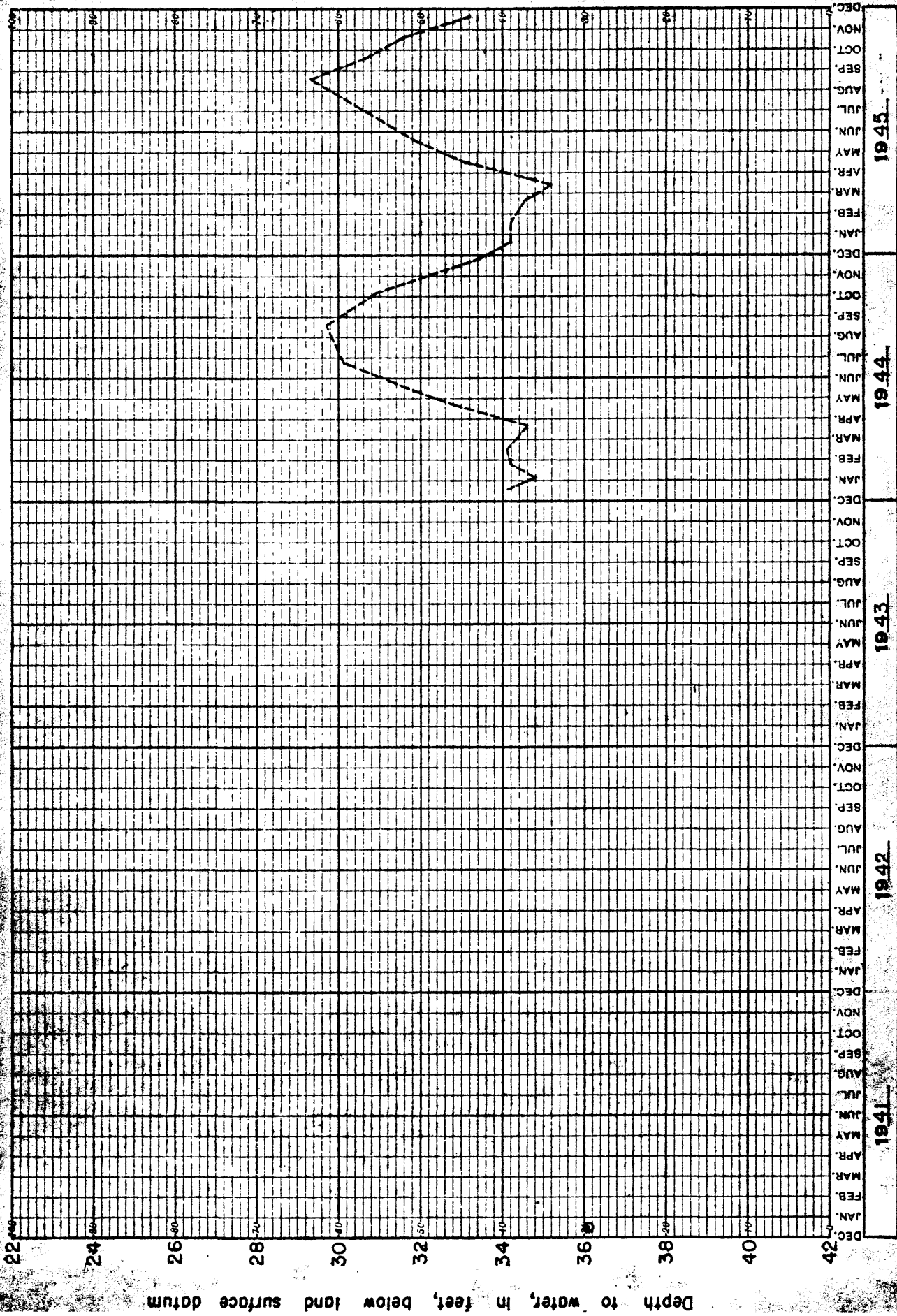


FIGURE 2.---HYDROGRAPH OF WELL 4S-32E-90C1

13

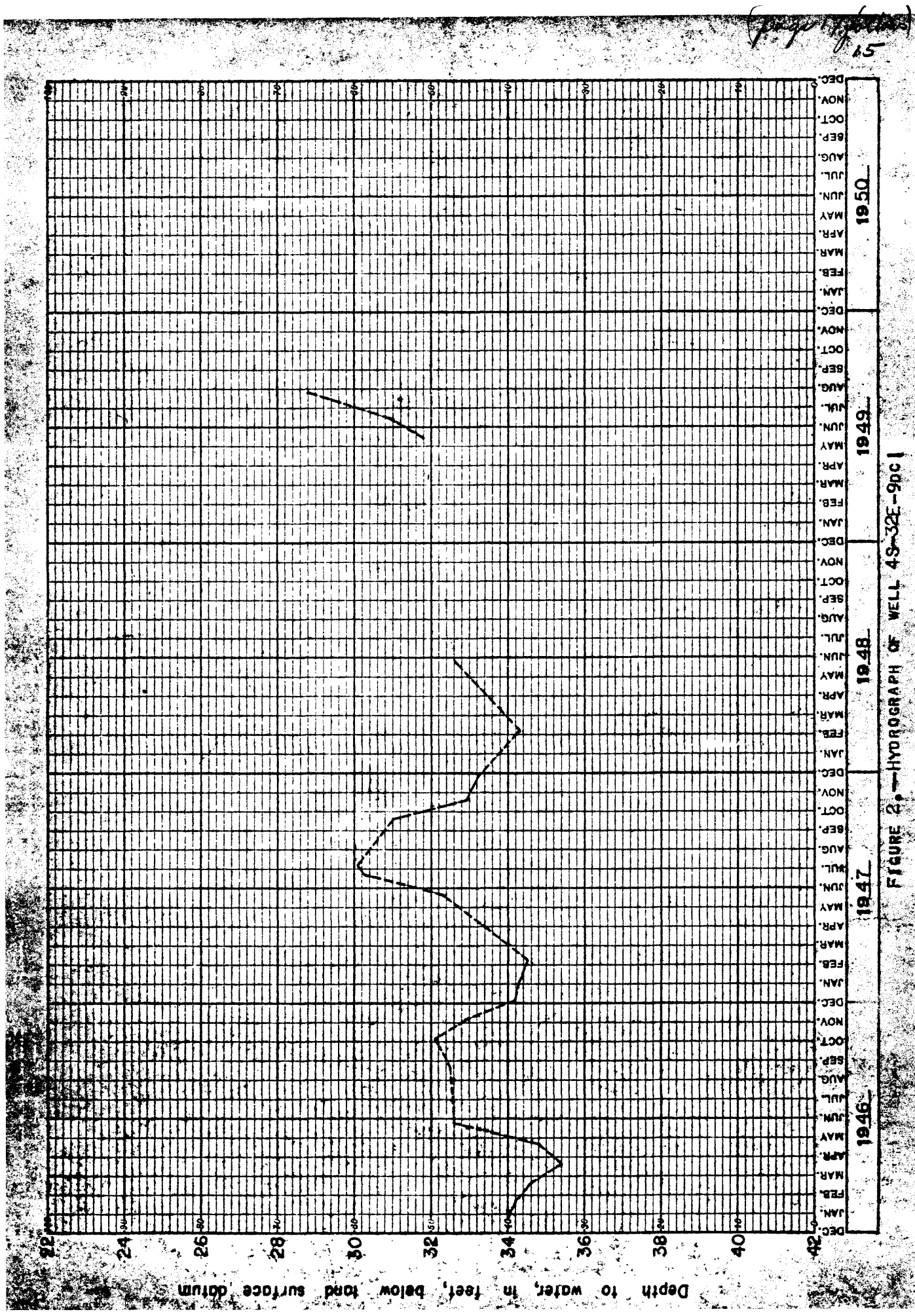


FIGURE 2. --HYDROGRAPH OF WELL 4S-32E-90C1

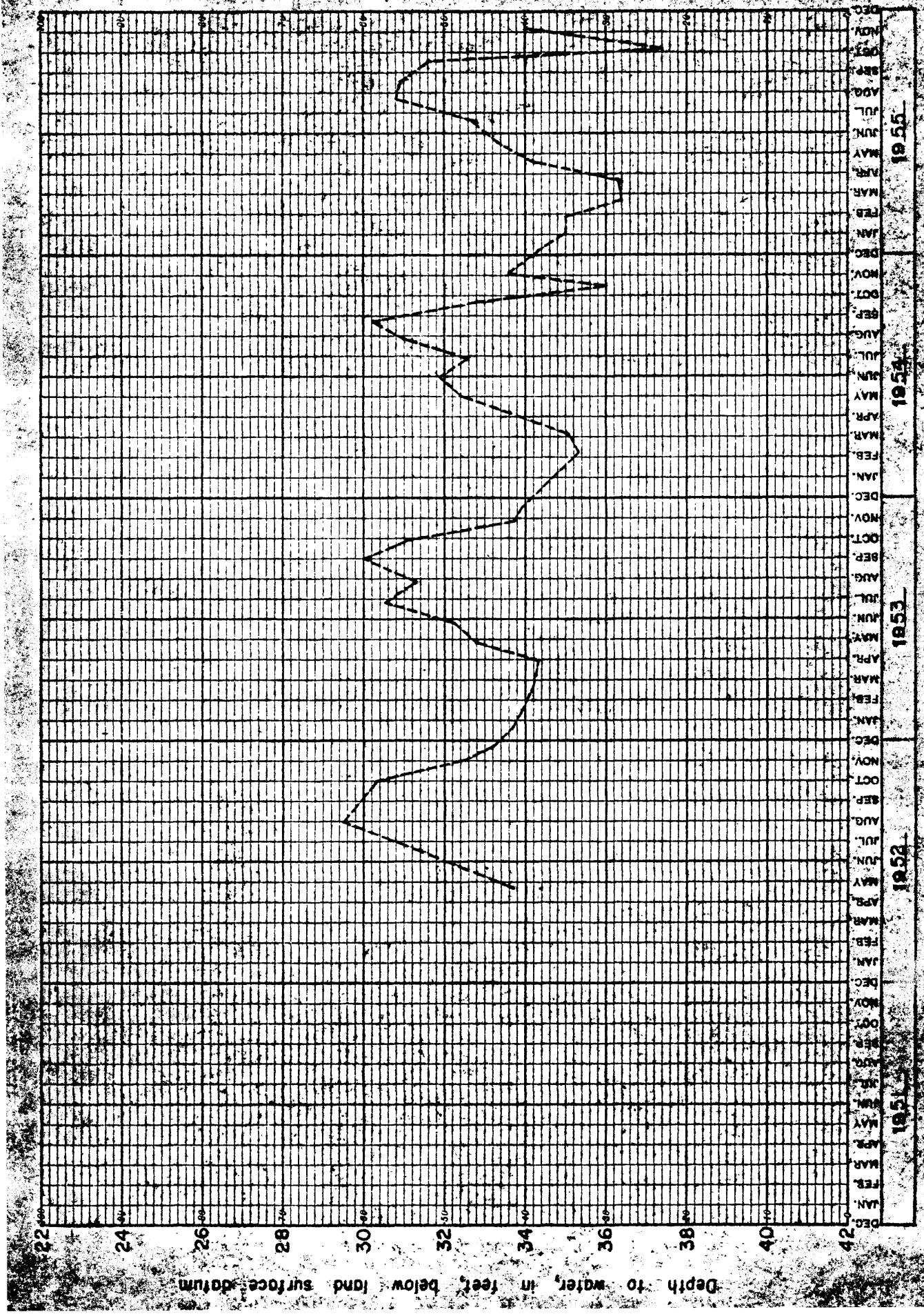


FIGURE 2. HYDROGRAPH OF WELL 49-32E-900

(page 19 follow)

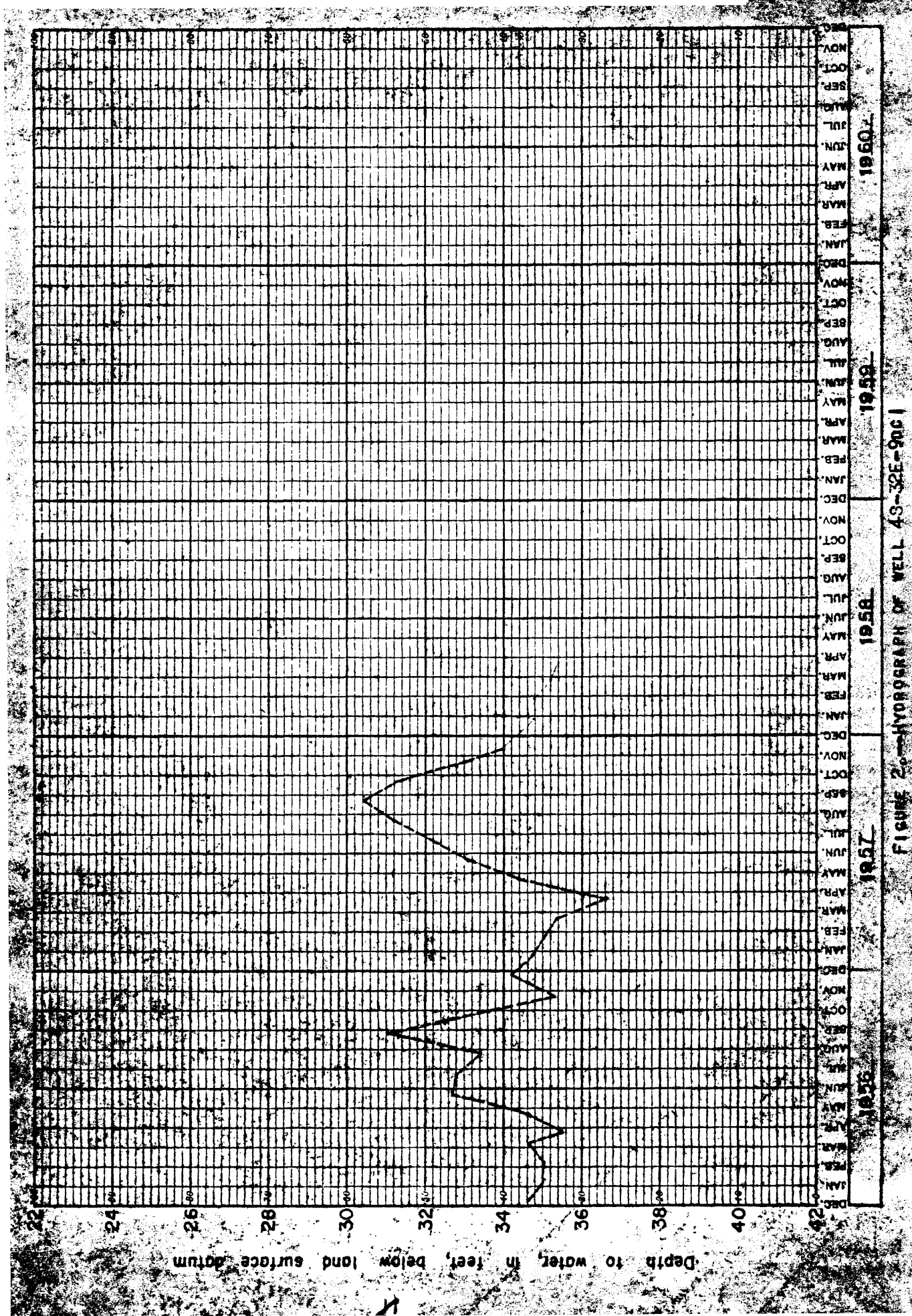


FIGURE 2. HYDROGRAPH OF WELL 43-32E-90C

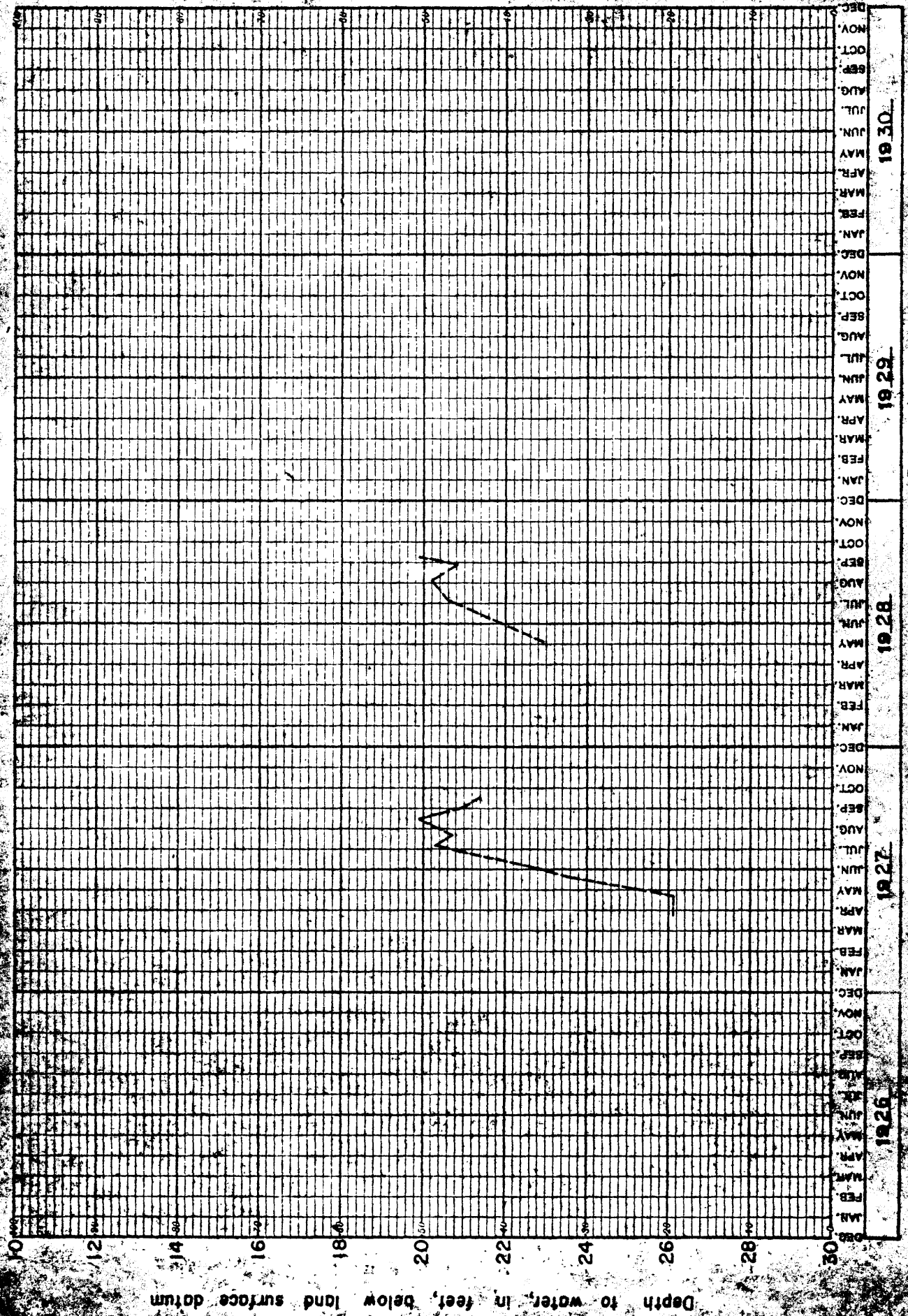


FIGURE 3. HYDROGRAPH OF WELL 55-31E-35AA

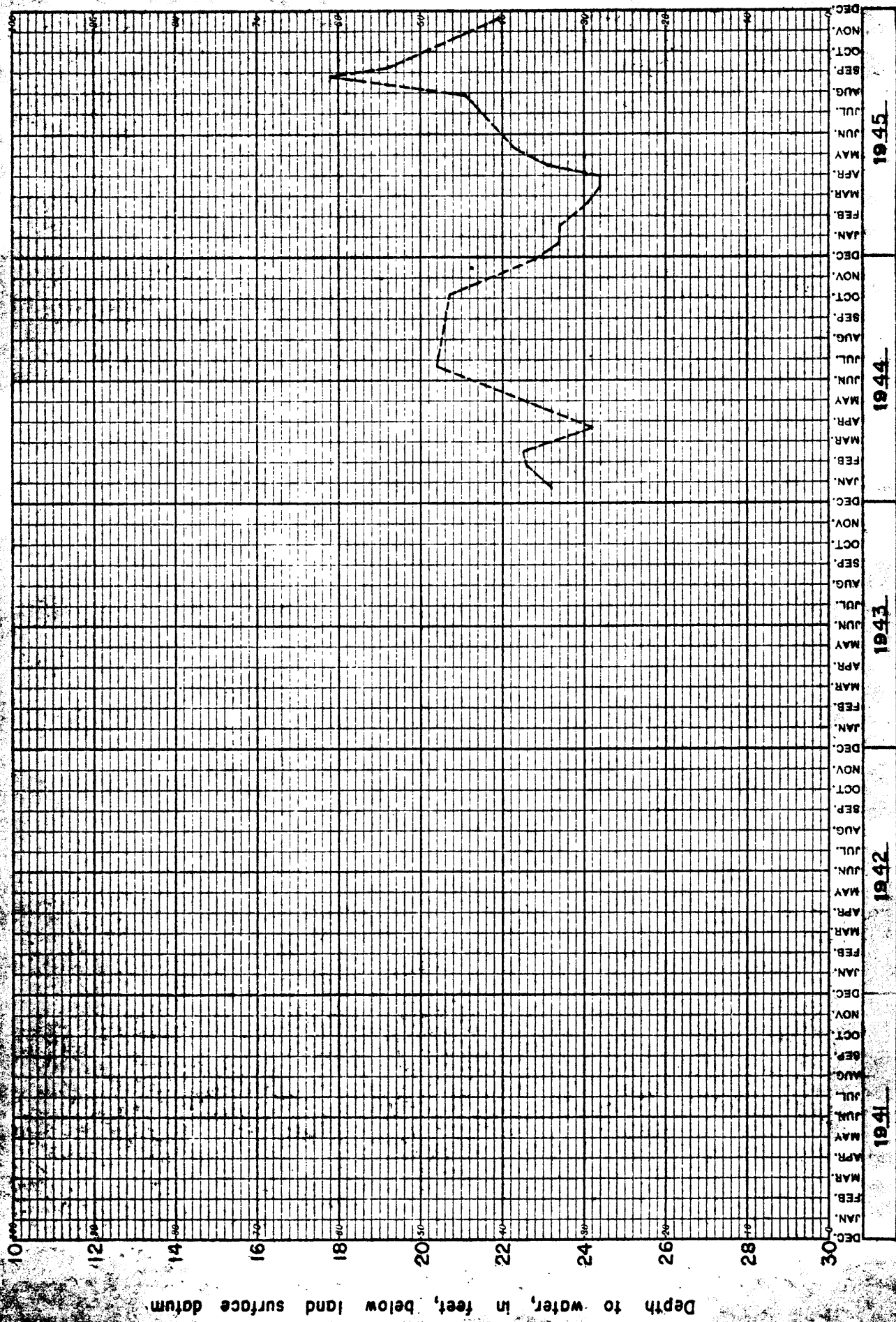


FIGURE 3. HYDROGRAPH OF WELL 5S-31E-35AA1

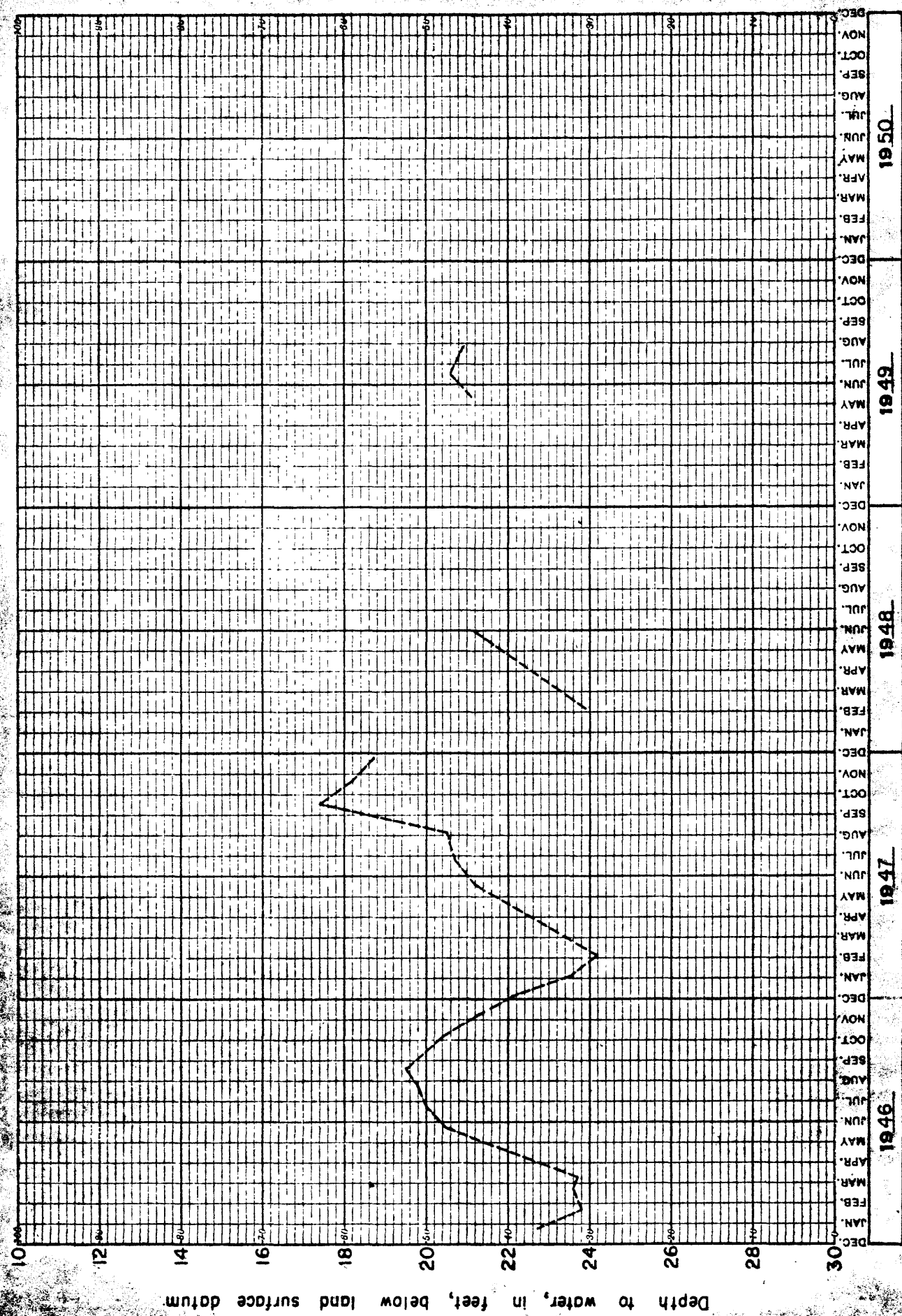


FIGURE 3.--HYDROGRAPH OF WELL 53-31E-35A1

(page 29 follows)

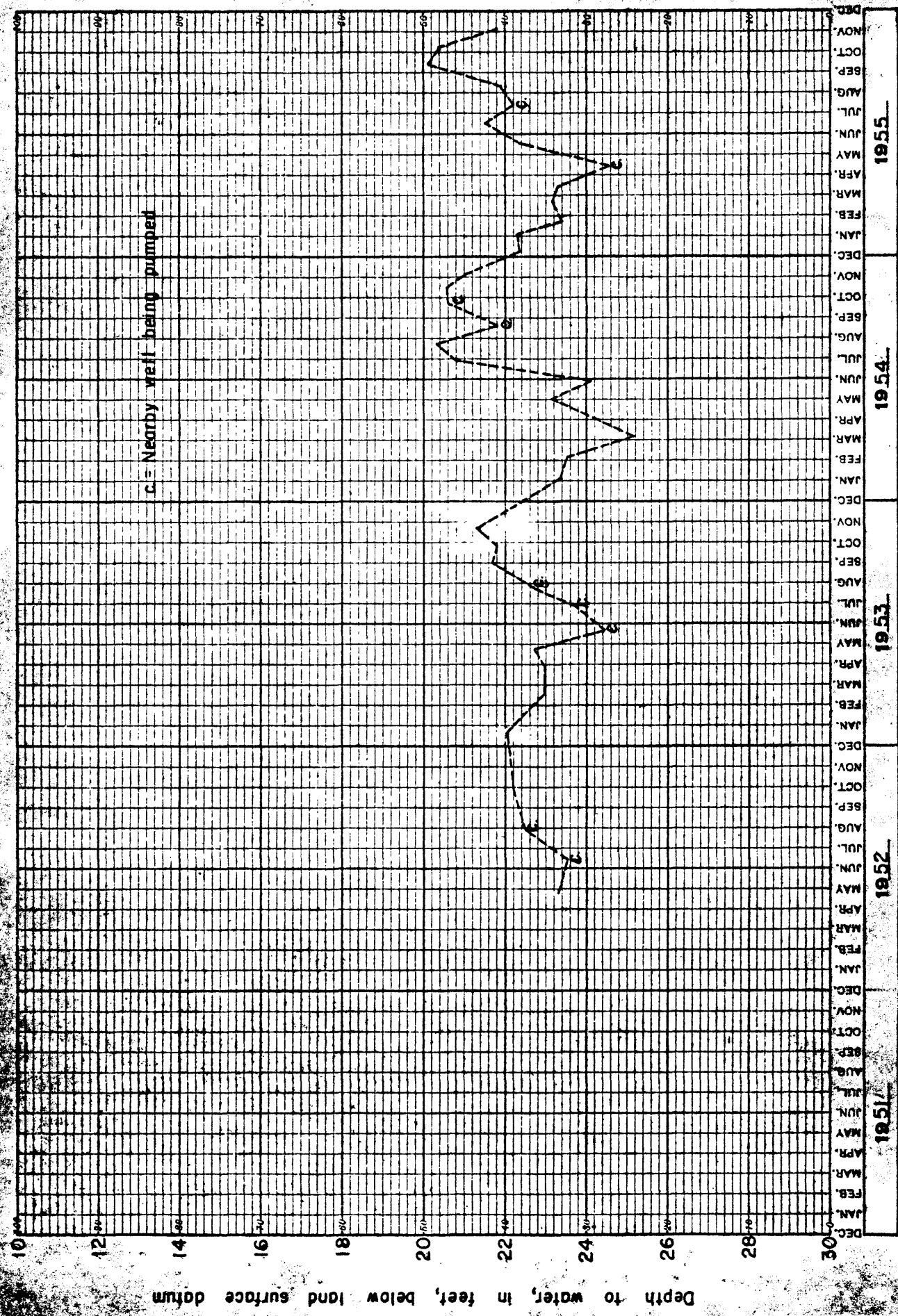


FIGURE 3. HYDROGRAPH OF WELL 5S-31E-35A1

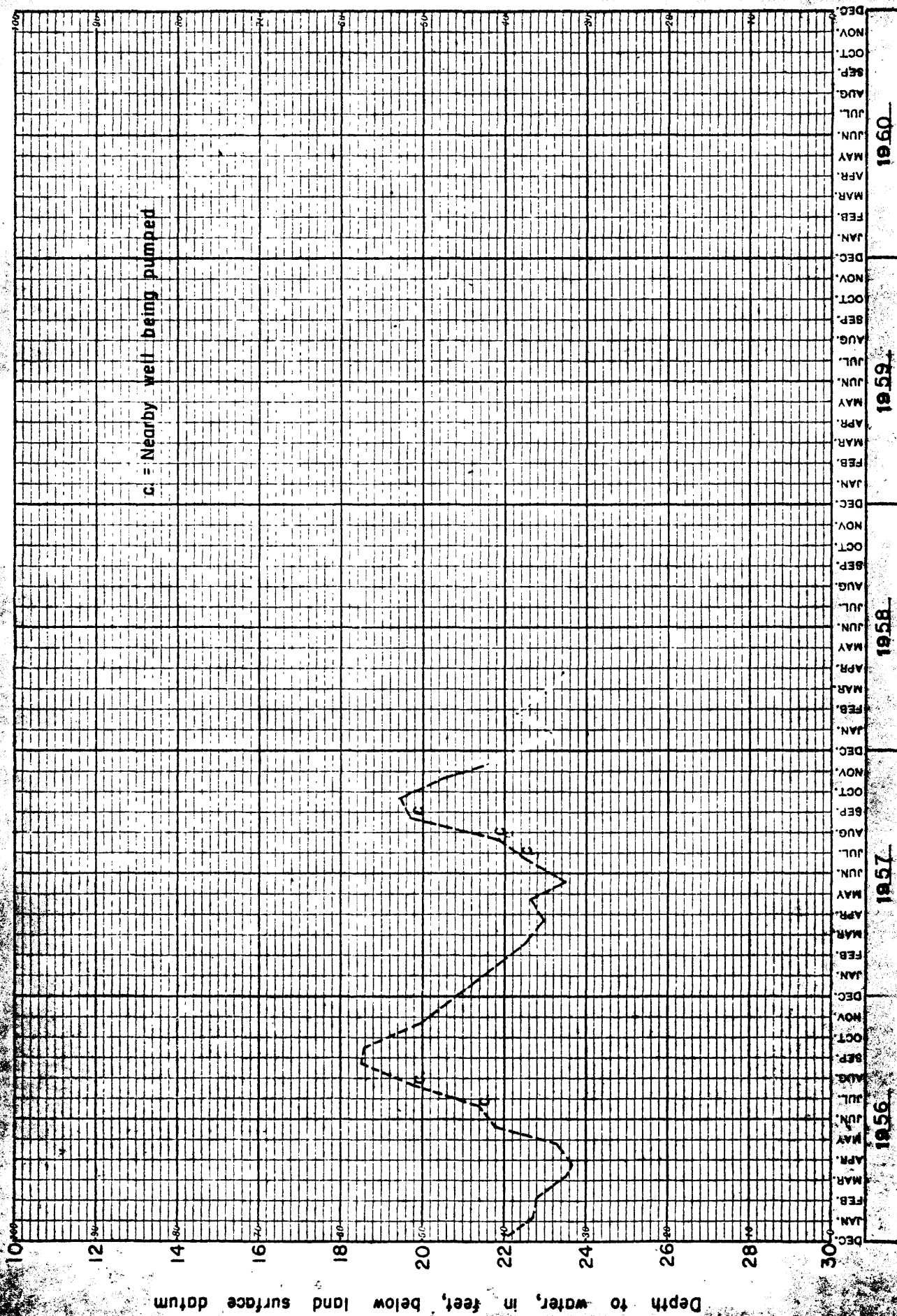


FIGURE 3. HYDROGRAPH OF WELL 58-31E-35A1

BINGHAM COUNTY

2S-34E-33bb1. Fred Serr

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|
| Jan. 25 | 30.51 | May 21 | 29.81 | Sept. 26 | 25.61 |
| Feb. 21 | 30.83 | June 20 | 26.20 | Oct. 24 | 27.47 |
| Mar. 20 | 30.74 | July 26 | 25.50 | Nov. 21 | 28.59 |
| Apr. 22 | 31.11 | Aug. 23 | 25.03 | Dec. 11 | 29.37 |

3S-33E-14bb1. F. J. Webb

| | | | | | |
|---------|-------|---------|-------|----------|-------|
| Jan. 25 | 39.85 | May 21 | 40.37 | Sept. 26 | 36.07 |
| Feb. 21 | 40.16 | June 20 | 37.66 | Oct. 24 | 37.57 |
| Mar. 20 | 40.05 | July 26 | 36.46 | Nov. 21 | 38.60 |
| Apr. 22 | 40.44 | Aug. 23 | 36.17 | Dec. 11 | 38.91 |

3S-33E-22cd1. G. R. Atwood

| | | | | | |
|---------|-------|---------|-------|----------|-------|
| Feb. 21 | 43.10 | May 21 | 42.14 | Aug. 23 | 38.44 |
| Mar. 20 | 42.94 | June 20 | 40.42 | Sept. 26 | 38.33 |
| Apr. 22 | 43.34 | July 26 | 38.81 | Oct. 24 | 40.01 |

3S-34E-19cd1. Herb Strow

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|
| Jan. 24 | 46.82 | May 21 | 45.48 | Sept. 26 | 41.55 |
| Feb. 20 | 46.68 | June 20 | 43.30 | Oct. 24 | 43.95 |
| Mar. 20 | 46.24 | July 26 | 41.39 | Nov. 21 | 45.16 |
| Apr. 22 | 46.98 | Aug. 23 | 40.78 | Dec. 11 | 45.96 |

4S-31E-22cd1. Sam Heany

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| Jan. 24 | 35.90 | Aug. 22 | 34.74 | Nov. 21 | 35.17 |
| June 20 | 35.59 | Sept. 25 | 34.25 | Dec. 11 | 35.59 |
| July 25 | 34.98 | Oct. 23 | 34.56 | | |

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

| | | | | | |
|---------|-----|---------|-------|----------|-------|
| Jan. 24 | Dry | May 22 | 4.14 | Sept. 25 | +0.04 |
| Feb. 21 | Dry | June 20 | 2.13 | Oct. 23 | 1.16 |
| Mar. 21 | Dry | July 25 | 0.12 | Nov. 21 | 4.16 |
| Apr. 23 | Dry | Aug. 22 | +0.15 | Dec. 11 | 5.32 |

4S-32E-9cd1. Bob Chandler

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| Jan. 24 | 34.73 | May 21 | 34.37 | Oct. 23 | 31.31 |
| Feb. 21 | 35.04 | June 20 | 33.08 | Nov. 21 | 33.04 |
| Mar. 21 | 35.35 | Aug. 22 | 31.19 | Dec. 11 | 33.97 |
| Apr. 23 | 36.60 | Sept. 25 | 30.43 | | |

30-34C-B&A1, SINGHAR, DRILLED BRUSHED WATER-TABLE WELL IN SNAKE RIVER BASALT, DIAMETER 7 INCHES, DEPTH 37 FEET
 STANDARDIZED IRON CAPS TO 6, LAND-SURFACE DATUM IS 4,447.6 FEET ABOVE MSL DATUM OF 1929, (PRELIMINARY ADJ.)

Highest water level 14.80 OCT. 4, 19 52 ; lowest 26.24 APR. 20, 19 56 ; Records available 1952-57

(Daily) NOON water level IN FEET BELOW LSD₀ from recorder graph

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 24.80 | 25.36 | 24.79 | 25.63 | 25.96 | 24.84 | 19.46 | 17.30 | 16.43 | 18.24 | 21.54 | 23.35 |
| 2 | 24.73 | 25.36 | 24.72 | 25.72 | 25.92 | 24.73 | 19.37 | 17.21 | 16.48 | 18.42 | 21.62 | 23.49 |
| 3 | 24.75 | 25.44 | 24.74 | 25.72 | 26.08 | 24.68 | 19.24 | 17.08 | 16.52 | 18.20 | 21.60 | 23.62 |
| 4 | 24.81 | 25.50 | 24.73 | 25.83 | 26.05 | 24.60 | 19.27 | 16.93 | 16.65 | 18.60 | 21.77 | 23.50 |
| 5 | 24.87 | 25.56 | 24.82 | 25.70 | 25.99 | 24.44 | 18.75 | 16.85 | 16.89 | 18.65 | 21.89 | 23.30 |
| 6 | 25.00 | 25.57 | 24.99 | 25.66 | 25.96 | 24.16 | 18.56 | 16.85 | 16.70 | 18.71 | 21.90 | 23.60 |
| 7 | 24.82 | 25.54 | 24.99 | 25.84 | 25.91 | 23.78 | 18.59 | 16.84 | 16.42 | 18.85 | 22.02 | 23.78 |
| 8 | 24.67 | 25.51 | 24.96 | 25.84 | 25.90 | 23.35 | 18.57 | 16.77 | 16.35 | 18.97 | 22.12 | 23.98 |
| 9 | 24.97 | 25.62 | 24.82 | 25.81 | 25.90 | 23.12 | 18.51 | 16.52 | 16.37 | 19.00 | 22.23 | 23.96 |
| 10 | 25.04 | 25.62 | 24.94 | 25.76 | 25.82 | 23.82 | 18.46 | 16.40 | 16.42 | 19.05 | 22.20 | 23.96 |
| 11 | 25.04 | 25.62 | 25.06 | 25.82 | 25.78 | 22.60 | 18.54 | 16.38 | 16.47 | 19.08 | 22.26 | 23.85 |
| 12 | 25.06 | 25.74 | 25.01 | 25.78 | 25.78 | 22.04 | 18.29 | 16.53 | 16.36 | 19.19 | 22.26 | 23.88 |
| 13 | 24.96 | 25.70 | 25.07 | 25.90 | 25.74 | 21.78 | 18.11 | 16.57 | 16.29 | 19.32 | 22.14 | 23.89 |
| 14 | 25.05 | 25.63 | 25.11 | 25.79 | 25.70 | 21.50 | 18.04 | 16.57 | 16.36 | 19.51 | 22.15 | 23.95 |
| 15 | 25.10 | 25.74 | 25.15 | 25.88 | 25.73 | 21.26 | 17.96 | 16.66 | 16.20 | 19.76 | 22.41 | 23.93 |
| 16 | 25.38 | 25.69 | 25.19 | 25.81 | 25.66 | 21.20 | 17.73 | 16.69 | 16.10 | 19.93 | 22.48 | 23.97 |
| 17 | 25.38 | 25.68 | 25.23 | 25.86 | 25.60 | 21.10 | 17.85 | 16.85 | 16.17 | 20.06 | 22.68 | 23.95 |
| 18 | 25.23 | 25.59 | 25.27 | 25.78 | 25.44 | 20.83 | 17.78 | 17.01 | 16.40 | 20.14 | 22.65 | 23.85 |
| 19 | 25.15 | 25.53 | 25.31 | 25.88 | 25.26 | 20.52 | 17.59 | 17.03 | 16.75 | 20.18 | 22.67 | 24.10 |
| 20 | 24.92 | 25.54 | 25.35 | 25.90 | 25.25 | 20.28 | 17.47 | 17.21 | 16.83 | 20.22 | 22.88 | 24.14 |
| 21 | 25.09 | 25.60 | 25.41 | | 25.30 | 20.20 | 17.39 | 17.25 | 17.08 | 20.33 | 23.10 | 24.08 |
| 22 | 25.26 | 25.43 | 25.57 | | 25.26 | 20.30 | | 17.29 | 17.28 | 20.51 | 23.10 | 24.25 |
| 23 | 25.22 | 25.35 | 25.76 | 25.85 | 25.18 | 20.23 | | 16.98 | 17.40 | 20.80 | 23.09 | 24.41 |
| 24 | 25.23 | 25.40 | 25.68 | 25.93 | 25.13 | 19.87 | | 16.60 | | 20.99 | 23.11 | 24.38 |
| 25 | 25.29 | 25.21 | 25.59 | 26.04 | 25.24 | 19.70 | | 16.59 | | 21.03 | 23.06 | 24.47 |
| 26 | 25.31 | 25.13 | 25.68 | 26.06 | 25.09 | 19.39 | 17.39 | 16.55 | 17.74 | 21.08 | 22.92 | 24.18 |
| 27 | 25.30 | 25.06 | 25.72 | 26.12 | 25.08 | 19.45 | 17.48 | 16.54 | 17.90 | 21.15 | 23.22 | 24.40 |
| 28 | 25.30 | 24.96 | 25.68 | 26.11 | 25.02 | 19.50 | 17.54 | 16.53 | 18.11 | 21.34 | 23.05 | 24.37 |
| 29 | 25.42 | | 25.62 | 26.02 | 24.94 | 19.55 | 17.44 | 16.35 | 18.22 | 21.44 | 23.51 | 24.44 |
| 30 | 25.44 | | 25.64 | 26.01 | 24.90 | 19.56 | 17.36 | 16.28 | 18.28 | 21.44 | 23.45 | 24.59 |
| 31 | 25.36 | | 25.62 | 24.91 | 24.91 | 19.56 | 17.29 | 16.34 | | 21.38 | | 24.71 |

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

STATE

1952

1957

NO. SEE-12051. RABBIT HOLELAND, DRILLER UNUSER WATER-TABLE WELL, DIAMETER 4 INCHES, DEPTH 39 FEET, LAND-SURFACE 15.4, 410.3 FEET (ELEVATION DATUM OF 1929, (FRESHWATER AG.))

Highest water level 14.92 Oct. 3, 1952; lowest 11.43 APR. 20, 1956; Records available 1952-57

(Daily Noon water level IN FEET BELOW L.S.D., from recorder graph)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 20.52 | 20.99 | 20.81 | 21.10 | 21.46 | 19.68 | 16.58 | 15.43 | | 15.83 | 17.48 | 19.53 |
| 2 | 20.46 | 21.02 | 20.76 | 21.18 | 21.40 | 19.69 | 16.61 | 15.36 | | 15.86 | 17.67 | 19.58 |
| 3 | 20.48 | 21.10 | 20.78 | 21.18 | 21.51 | 19.54 | 16.49 | 15.38 | | 15.81 | 17.58 | 19.69 |
| 4 | 20.51 | 21.13 | 20.71 | 21.27 | 21.42 | 19.30 | 16.56 | 15.33 | | 16.03 | 17.70 | 19.73 |
| 5 | 20.56 | 21.15 | 20.84 | 21.17 | 21.34 | 19.04 | 16.51 | 15.30 | | 16.04 | 17.79 | 19.77 |
| 6 | 20.56 | 21.17 | 20.88 | 21.13 | 21.24 | | 16.49 | 15.30 | | 16.09 | 17.84 | 19.81 |
| 7 | 20.58 | 21.11 | 20.84 | 21.25 | 21.11 | | 16.54 | 15.24 | | 16.23 | 17.93 | 19.84 |
| 8 | 20.46 | 21.17 | 20.70 | 21.24 | 21.04 | | 16.50 | 15.09 | | 16.33 | 18.00 | 19.88 |
| 9 | 20.62 | 21.25 | 20.73 | 21.21 | 20.86 | | 16.44 | 15.05 | | 16.40 | 18.11 | 19.92 |
| 10 | 20.69 | 21.20 | 20.79 | 21.18 | 20.71 | | 16.46 | 14.98 | | 16.37 | 18.12 | 19.95 |
| 11 | 20.71 | 21.30 | 20.74 | 21.22 | 20.56 | | 16.45 | 14.97 | | 16.34 | 18.16 | 20.02 |
| 12 | 20.71 | 21.33 | 20.76 | 21.19 | 30.32 | | 16.44 | 15.01 | 15.36 | 16.33 | 18.18 | 20.02 |
| 13 | 20.66 | 21.23 | 20.92 | 21.27 | 20.20 | | 16.34 | 15.06 | 15.39 | 16.36 | 18.10 | 20.02 |
| 14 | 20.71 | 21.22 | 20.93 | 21.23 | 20.15 | | 16.22 | 15.10 | 15.40 | 16.39 | 18.08 | 20.06 |
| 15 | 20.75 | 21.33 | 20.86 | 21.29 | 20.16 | | 16.25 | 15.15 | 15.25 | 16.43 | 18.28 | 20.05 |
| 16 | 20.95 | 21.29 | 20.86 | 21.23 | 20.12 | | 16.09 | 15.19 | 15.10 | 16.48 | 18.36 | 20.09 |
| 17 | 20.98 | 21.26 | 20.96 | 21.28 | 20.08 | | 16.11 | 15.24 | 15.20 | 16.52 | 18.49 | 20.03 |
| 18 | 20.89 | 21.18 | 20.96 | 21.26 | 20.02 | | 16.13 | 15.28 | 15.32 | 16.56 | 18.52 | 19.96 |
| 19 | 20.81 | 21.18 | 20.97 | 21.31 | 19.80 | | 16.08 | 15.33 | 15.40 | 16.60 | 18.53 | 20.10 |
| 20 | 20.63 | 21.24 | 20.91 | 21.32 | 19.79 | | 15.97 | 15.37 | 15.43 | 16.65 | 18.68 | 20.14 |
| 21 | 20.77 | 21.20 | 20.94 | 21.34 | 19.83 | 16.99 | 15.89 | 15.42 | 15.84 | 16.70 | 19.44 | 20.09 |
| 22 | 20.89 | 21.07 | 21.07 | | 19.80 | 17.07 | | 15.46 | 15.59 | 16.74 | 19.45 | 20.03 |
| 23 | 20.87 | 21.07 | 21.23 | 21.37 | 19.80 | 17.15 | | 15.47 | 15.59 | | 19.46 | 20.03 |
| 24 | 20.87 | 21.07 | 21.21 | 21.37 | 19.97 | 16.96 | | 15.34 | 15.66 | 16.98 | 19.48 | 20.03 |
| 25 | 20.91 | 21.04 | 21.10 | 21.48 | 19.98 | 17.02 | | 15.22 | 15.66 | 16.98 | 19.44 | 20.40 |
| 26 | 20.93 | 20.93 | 21.16 | 21.48 | 19.93 | 16.99 | 15.66 | 15.20 | 15.73 | 17.04 | 19.38 | 20.28 |
| 27 | 20.91 | 20.93 | 21.23 | 21.64 | 19.91 | 16.86 | 15.68 | 15.24 | 15.82 | 17.12 | 19.54 | |
| 28 | 20.94 | 20.86 | 21.20 | 21.52 | 19.95 | 16.76 | 15.71 | 15.20 | 15.97 | 17.26 | 19.60 | |
| 29 | 21.03 | | 20.14 | 21.48 | 19.83 | 16.74 | 15.62 | 15.11 | 16.04 | 17.35 | 18.55 | |
| 30 | 21.04 | | 21.16 | 21.45 | 19.80 | 16.71 | 15.62 | 15.10 | 16.09 | 17.37 | 18.53 | |
| 31 | 21.01 | | 21.11 | | 19.72 | 16.71 | 15.48 | 15.39 | | 17.38 | | |

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

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|
| Jan. 24 | 5.92 | May 21 | 5.63 | Sept. 25 | 3.45 |
| Feb. 21 | 5.88 | June 20 | 4.30 | Oct. 23 | 4.11 |
| Mar. 21 | 5.21 | July 25 | 3.81 | Nov. 21 | 4.82 |
| Apr. 23 | 4.98 | Aug. 22 | 3.57 | Dec. 11 | 5.40 |

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

| | | | | | |
|---------|------|---------|------|----------|------|
| Jan. 24 | 7.31 | June 20 | 3.08 | Sept. 25 | 3.76 |
| Apr. 23 | 4.02 | July 25 | 3.07 | Nov. 21 | 6.37 |
| May 22 | 3.79 | Aug. 22 | 3.68 | Dec. 10 | 7.22 |

4S-33E-1bc1. Herbert Crumley

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| Mar. 20 | 27.89 | July 26 | 24.60 | Oct. 24 | 26.10 |
| Apr. 23 | 28.07 | Aug. 23 | 23.07 | | |
| June 20 | 24.98 | Sept. 26 | 23.75 | | |

4S-33E-15bb2. Gerald C. Kinney formerly Art Van Orden

| | | | | | |
|---------|-------|---------|---------|----------|-------|
| Jan. 24 | 30.79 | May 21 | 29.05 | Sept. 26 | 26.06 |
| Feb. 21 | 31.09 | June 20 | a 31.14 | Oct. 23 | 27.37 |
| Mar. 21 | 30.74 | July 26 | a 30.55 | Nov. 21 | 29.10 |
| Apr. 23 | 30.97 | Aug. 23 | a 29.49 | Dec. 11 | 29.97 |

a Pumping

4S-33E-22cbl. Josephine Shelman

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|----------|-------------|---------|-------------|
| Jan. 24 | 24.94 | May 21 | 22.30 | Nov. 21 | 23.84 |
| Feb. 21 | 25.32 | June 20 | 23.63 | Dec. 10 | 24.21 |
| Mar. 20 | 24.23 | Sept. 26 | 23.15 | | |
| Apr. 23 | 24.15 | Oct. 23 | 24.33 | | |

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

| | | | | | |
|---------|------|---------|------|----------|------|
| Jan. 24 | 4.08 | May 21 | 2.77 | Sept. 25 | 3.72 |
| Feb. 20 | 3.90 | June 20 | 4.43 | Oct. 24 | 3.33 |
| Mar. 20 | 3.92 | July 25 | 4.27 | Nov. 21 | 3.38 |
| Apr. 23 | 3.91 | Aug. 23 | 4.16 | Dec. 10 | 3.48 |

5S-31E-4dal. Ernest Underwood

| | | | | | |
|---------|-------|---------|---------|----------|-------|
| Jan. 24 | 50.08 | May 22 | 48.12 | Sept. 25 | 46.25 |
| Feb. 21 | 52.14 | June 20 | 47.40 | Oct. 23 | 46.72 |
| Mar. 21 | 48.47 | July 25 | b 46.72 | Nov. 21 | 47.51 |
| Apr. 23 | 48.80 | Aug. 22 | 46.28 | Dec. 11 | 47.66 |

b Pumped recently

5S-31E-19ddl. Don Danceliff

| | | | | | |
|---------|-------|---------|---------|----------|---------|
| Jan. 24 | 41.41 | May 22 | 41.29 | Sept. 25 | 39.72 |
| Feb. 21 | 40.69 | June 20 | 40.65 | Oct. 23 | 40.29 |
| Mar. 21 | 41.64 | July 24 | a 40.59 | Nov. 20 | 40.94 |
| Apr. 23 | 41.92 | Aug. 22 | 40.04 | Dec. 10 | b 41.27 |

a Pumping, b pumped recently

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

COUNTY BYRON STATE INDIANA YEAR 1957

WELL NO. 315-27A-1 DATE 1957 LOC. DRILLED UNUSED WATER-TABLE WELL IN SNAKE RIVER BASALT, DIAMETER 16 TO 12 INCHES, DEPTH 10 FEET, Cased to 15 FEET, MEASUREMENTS PRIOR TO 1965 BY ABERDEEN-SPRINGFIELD CANAL CO. LAND-SURFACE DATUM IS 4,399.8 FEET ABOVE MSL, DATUM OF 1929. (PRELIMINARY A.D.).

Highest water level 10.10 SEPT. 4, 19 56 ; lowest 25.2 MAR. 5, 19 48 ; Records available 1945-49, 1952-57

(Daily NOON water level. IN FEET BELOW L.S.D. from recorder graph)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 20.13 | 21.92 | | 23.48 | 23.28 | 22.81 | 18.86 | 13.82 | 13.49 | 12.94 | 15.62 | 18.48 |
| 2 | 20.20 | 21.99 | | 23.53 | 23.26 | 22.54 | 18.75 | 13.90 | 13.42 | 12.96 | 15.68 | 18.75 |
| 3 | 20.18 | 22.15 | | 23.58 | 23.24 | 22.27 | 18.66 | 13.90 | 13.41 | 12.90 | 15.70 | 18.61 |
| 4 | 20.37 | 22.21 | | 23.66 | 23.26 | 22.11 | 18.51 | 13.86 | 13.41 | 13.21 | 15.92 | 18.63 |
| 5 | 20.46 | 22.26 | | 23.47 | 23.28 | 22.06 | 18.20 | 13.68 | 13.49 | 13.23 | 16.10 | 18.61 |
| 6 | 20.56 | 22.29 | | 23.56 | 23.31 | 21.96 | 18.04 | 13.95 | 13.34 | 13.34 | 16.16 | 18.98 |
| 7 | 20.36 | 22.24 | | 23.74 | 23.27 | 21.81 | 17.89 | 14.02 | 13.02 | 13.47 | 16.34 | 19.35 |
| 8 | 20.34 | 22.38 | | 23.70 | 23.29 | 21.65 | 17.62 | 14.08 | 12.94 | 13.58 | 16.46 | 19.34 |
| 9 | 20.78 | | | 23.70 | 23.30 | 21.51 | 17.41 | 12.98 | 12.83 | 13.66 | 16.56 | 19.28 |
| 10 | 20.79 | 22.43 | | 23.68 | 23.20 | 21.47 | 17.29 | 13.92 | 12.69 | 13.70 | 16.59 | |
| 11 | 20.79 | 22.62 | | 23.76 | 23.03 | 21.31 | | 13.90 | 12.62 | 13.66 | 16.72 | 19.27 |
| 12 | 20.86 | 22.67 | | 23.80 | 22.92 | 21.04 | | 13.93 | 12.48 | 13.70 | 16.78 | 19.34 |
| 13 | 20.82 | 22.54 | | 23.80 | 22.74 | 20.85 | | 13.74 | 12.57 | 13.72 | 16.70 | 19.40 |
| 14 | 20.99 | 22.75 | | 23.86 | 22.50 | 20.70 | | 13.57 | 12.13 | 13.80 | 16.89 | 19.51 |
| 15 | 21.11 | 22.76 | | 23.87 | 22.52 | 20.59 | | 13.35 | 11.72 | 13.98 | 17.09 | 19.49 |
| 16 | 21.26 | 22.76 | | 23.78 | 22.47 | 20.68 | | 13.34 | 11.82 | 14.04 | 17.24 | 19.58 |
| 17 | 21.23 | 22.74 | | 23.82 | 22.42 | 20.61 | | 13.17 | 12.05 | 14.06 | 17.39 | 19.62 |
| 18 | 21.08 | 22.71 | | 23.88 | 22.32 | 20.41 | | 13.05 | 12.35 | 14.04 | 17.36 | 19.57 |
| 19 | 21.00 | 22.76 | | 23.95 | 22.16 | 20.22 | | 13.03 | 12.42 | 14.00 | 17.55 | 19.80 |
| 20 | | 22.89 | | 23.97 | 22.19 | | | 13.08 | 12.50 | 14.01 | 17.70 | 19.88 |
| 21 | | | 23.12 | 23.98 | 22.16 | 20.17 | | 13.76 | 12.56 | 14.12 | 17.94 | 19.83 |
| 22 | | | 23.34 | | 22.27 | 20.17 | | 13.23 | 12.67 | 14.38 | 17.92 | 20.11 |
| 23 | | | 23.50 | | 23.22 | 20.07 | | 13.16 | 12.77 | 14.62 | 17.99 | 20.17 |
| 24 | | | 23.38 | 23.03 | 23.22 | 19.79 | | 13.00 | | 14.82 | 18.03 | 20.27 |
| 25 | 21.58 | | 23.29 | 23.15 | 23.36 | 19.63 | 15.20 | 13.98 | | 14.87 | 17.99 | 20.33 |
| 26 | 21.63 | | 23.42 | 23.17 | 23.34 | 19.49 | 14.93 | 13.28 | 12.88 | 14.95 | 18.07 | 20.13 |
| 27 | 21.60 | | 23.46 | 23.23 | 23.27 | 19.33 | 14.92 | 13.18 | 12.84 | 15.08 | 18.25 | 20.32 |
| 28 | 21.75 | | 23.42 | 23.27 | 23.27 | 19.29 | 14.70 | 13.13 | 12.94 | 15.27 | 18.28 | 20.35 |
| 29 | 21.87 | | 23.37 | 23.24 | 23.24 | 19.16 | 14.30 | 13.01 | 13.04 | 15.38 | 18.31 | 20.45 |
| 30 | 21.89 | | 23.48 | 23.28 | 23.22 | 19.06 | 14.00 | 13.07 | 12.98 | 15.36 | 19.51 | 20.69 |
| 31 | 21.90 | | 23.40 | | 23.02 | | 13.68 | 13.07 | | 15.35 | | 20.76 |

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

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|
| Jan. 24 | 17.13 | May 22 | 14.09 | Sept. 25 | 11.75 |
| Feb. 21 | 17.48 | June 19 | 10.76 | Oct. 23 | 14.31 |
| Mar. 21 | 16.82 | July 24 | 10.24 | Nov. 20 | 16.16 |
| Apr. 23 | 17.45 | Aug. 22 | 10.17 | Dec. 10 | 16.78 |

5S-31E-35aal. Maril Beck

| | | | | | |
|---------|-------|----------|---------|---------|-------|
| Mar. 21 | 22.51 | July 24 | c 22.52 | Nov. 20 | 20.53 |
| Apr. 23 | 22.96 | Aug. 22 | c 21.85 | Dec. 10 | 21.44 |
| May 22 | 22.65 | Sept. 25 | c 19.67 | | |
| June 20 | 23.48 | Oct. 23 | 19.44 | | |

c Nearby well being pumped

5S-32E-6ddl. Dayton Martin

| | | | | | |
|---------|------|----------|------|---------|------|
| Jan. 24 | 5.42 | June 20 | 1.21 | Oct. 23 | 5.33 |
| Mar. 21 | 2.36 | July 25 | 1.15 | Dec. 10 | 5.99 |
| Apr. 23 | 1.96 | Aug. 22 | 2.75 | | |
| May 22 | 1.58 | Sept. 25 | 2.88 | | |

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

| | | | | | |
|---------|------|---------|------|----------|------|
| Jan. 24 | 2.51 | May 22 | 2.40 | Sept. 25 | 2.56 |
| Feb. 21 | 2.50 | June 20 | 2.42 | Oct. 23 | 2.53 |
| Mar. 21 | 1.45 | July 25 | 2.50 | Nov. 21 | 2.46 |
| Apr. 23 | 2.39 | Aug. 22 | 2.53 | Dec. 10 | 2.50 |

6S-31E-7bal. Aberdeen Airport

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|----------|-------------|
| Jan. 24 | 80.08 | May 22 | 80.54 | Sept. 25 | 79.56 |
| Feb. 21 | 80.45 | June 19 | 80.19 | Oct. 23 | 79.41 |
| Mar. 21 | 80.63 | July 24 | 80.28 | Nov. 20 | 79.89 |
| Apr. 23 | 80.57 | Aug. 22 | 79.75 | Dec. 10 | 80.37 |

6S-31E-11bal. Edward Philips

| | | | | | |
|---------|-------|---------|-------|----------|-------|
| Jan. 24 | 31.50 | May 22 | 32.07 | Sept. 25 | 24.10 |
| Feb. 21 | 27.19 | June 19 | 30.63 | Oct. 23 | 26.81 |
| Mar. 21 | 32.39 | July 24 | 26.97 | Nov. 20 | 29.27 |
| Apr. 23 | 32.80 | Aug. 22 | 23.55 | Dec. 10 | 30.55 |

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

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| Jan. 24 | 15.64 | June 19 | 14.07 | Oct. 23 | 12.67 |
| Mar. 21 | 15.96 | July 24 | 12.25 | Nov. 20 | 13.54 |
| Apr. 23 | 16.14 | Aug. 22 | 11.28 | Dec. 10 | 14.30 |
| May 22 | 15.33 | Sept. 25 | 11.63 | | |

6S-31E-30dal. Barthalama

| | | | | | |
|---------|-------|---------|-------|----------|-------|
| Jan. 24 | 49.33 | May 22 | 50.28 | Sept. 25 | 42.57 |
| Feb. 21 | 49.32 | June 19 | 46.81 | Oct. 23 | 44.66 |
| Mar. 21 | 50.20 | July 24 | 44.08 | Nov. 20 | 47.14 |
| Apr. 23 | 51.68 | Aug. 22 | 41.40 | Dec. 10 | 48.37 |

POWER COUNTY

5S-33E-35ccl. U. S. Geological Survey

| Date | Water level | Date | Water level | Date | Water level |
|---------|-------------|---------|-------------|---------|--------------------|
| Jan. 24 | 24.08 | Apr. 24 | 24.26 | July 23 | Installed recorder |
| Feb. 20 | 23.66 | May 22 | 23.85 | | |
| Mar. 21 | 24.06 | June 19 | 23.58 | | |

7S-30E-12cal. Jess Meadows

| | | | | | |
|---------|-------|---------|---------|----------|---------|
| Jan. 24 | 49.13 | May 22 | 46.19 | Sept. 25 | 45.32 |
| Feb. 21 | 50.66 | June 19 | b 44.28 | Oct. 23 | 45.77 |
| Mar. 21 | 45.64 | July 24 | 45.47 | Nov. 20 | b 47.91 |
| Apr. 23 | 46.70 | Aug. 22 | 45.03 | Dec. 10 | 48.73 |

b Pumped recently

7S-31E-13dcl. Paul Evans

| | | | | | |
|---------|-------|----------|-------|---------|-------|
| July 23 | 61.11 | Sept. 25 | 61.61 | Nov. 20 | 61.81 |
| Aug. 22 | 61.48 | Oct. 23 | 61.73 | Dec. 10 | 62.02 |

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CPD 114323

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

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS STATE TEXAS YEAR 1957

WELL NO. 20461 LOCATION WETA TOWN, DRILLER UNITED WATERWORKS WELL, DIAMETER 5 INCHES, DEPTH 151 FEET, OWNED TO 1953

Highest water level 33.14 Date JUNE 30, JULY 1, 1953 Lowest 35.23 Date JULY 24, 1957 Records available 1953-57

(Daily) NOON water level IN FEET BELOW L.S.D. from recorder graph

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 33.96 | | 33.89 | 34.04 | 34.18 | 33.67 | 34.60 | 34.85 | 34.12 | 33.75 | 33.47 | 33.76 |
| 2 | 33.98 | | 33.88 | 34.07 | 34.16 | 33.66 | 34.89 | 34.99 | 34.40 | 33.95 | 33.48 | 33.76 |
| 3 | 33.96 | | 33.91 | 34.08 | 34.23 | 33.67 | 34.89 | 34.70 | 34.41 | 33.51 | 33.40 | 33.80 |
| 4 | 34.02 | | 33.92 | 34.15 | 34.20 | 33.99 | 34.76 | 34.79 | 34.52 | 33.54 | 33.46 | 33.76 |
| 5 | 34.04 | | 33.95 | 34.06 | 34.23 | 33.99 | 34.78 | 34.80 | 34.47 | 33.66 | 33.49 | 33.69 |
| 6 | 34.06 | | 34.02 | 34.04 | 34.21 | 34.04 | 34.96 | 34.83 | 34.62 | 33.61 | 33.48 | 33.75 |
| 7 | 33.96 | | 33.99 | 34.14 | 34.40 | 34.14 | 35.05 | 34.75 | 34.52 | 33.67 | 33.51 | 33.81 |
| 8 | 33.93 | | 33.98 | 34.10 | 34.53 | 34.14 | 35.12 | 34.69 | 34.18 | 33.56 | 33.52 | 33.87 |
| 9 | 34.14 | | 33.90 | 34.10 | 34.51 | 34.10 | 35.10 | 34.66 | 34.21 | 33.75 | 33.53 | 33.84 |
| 10 | 34.11 | | 33.95 | 34.07 | 34.36 | 34.08 | 34.79 | 34.70 | 34.29 | 33.51 | 33.50 | 33.80 |
| 11 | 34.10 | 34.22 | 33.96 | 34.09 | 34.14 | 34.14 | 35.01 | 34.60 | 34.23 | 33.44 | | 33.76 |
| 12 | 34.10 | 34.30 | 33.93 | 34.09 | 34.07 | 34.45 | 35.17 | 34.70 | 33.95 | 33.73 | | 33.76 |
| 13 | 34.07 | 34.29 | 34.02 | 34.10 | 34.01 | 34.13 | 35.15 | 34.70 | 33.79 | 33.66 | | 33.77 |
| 14 | 34.12 | 34.19 | 34.04 | 34.10 | 34.00 | 34.06 | 35.16 | 34.65 | 33.79 | 33.55 | | 33.79 |
| 15 | 34.18 | 34.25 | 33.99 | 34.13 | 34.00 | 34.13 | 35.15 | 34.74 | 33.79 | 33.48 | | 33.75 |
| 16 | 34.21 | 34.19 | 33.96 | 34.07 | 33.97 | 34.12 | 35.01 | 34.70 | 33.79 | 33.62 | | 33.76 |
| 17 | 34.10 | 34.13 | 34.04 | 34.10 | 33.93 | 34.26 | 35.15 | 34.74 | 33.79 | 33.58 | | 33.75 |
| 18 | 33.98 | 34.10 | 34.02 | 34.10 | 33.84 | 34.21 | 35.22 | 34.70 | 33.80 | 33.64 | | 33.70 |
| 19 | 34.10 | 34.03 | 34.04 | 34.13 | 33.75 | 34.14 | 35.14 | 34.80 | 33.83 | 33.46 | | 33.81 |
| 20 | 34.18 | 34.05 | 34.02 | 34.13 | 33.78 | 34.22 | 35.13 | 34.70 | 33.83 | 33.40 | | 33.82 |
| 21 | 34.10 | 34.09 | 34.03 | 34.13 | 33.79 | 34.27 | | 34.65 | 33.70 | 33.41 | 33.71 | 33.76 |
| 22 | 34.18 | 34.07 | 34.09 | | 33.78 | 34.12 | | 34.63 | 33.83 | 33.45 | 33.67 | 33.91 |
| 23 | 34.15 | 33.99 | 34.18 | | 33.76 | 34.20 | | 34.51 | | 33.48 | 33.67 | 33.88 |
| 24 | 34.15 | 34.04 | 34.20 | 34.17 | 33.72 | 34.45 | 35.23 | 34.62 | | 33.53 | 33.66 | 33.89 |
| 25 | 34.16 | 34.06 | 34.02 | 34.23 | 33.79 | 34.40 | 35.20 | 34.54 | | 33.49 | 33.62 | 33.91 |
| 26 | 34.37 | 33.98 | 34.08 | 34.23 | 33.77 | 34.30 | 35.05 | 34.54 | | 33.45 | 33.59 | 33.84 |
| 27 | | 33.95 | 34.08 | 34.24 | 33.73 | 34.44 | 34.94 | 34.55 | 33.64 | 33.44 | 33.70 | 33.91 |
| 28 | | 33.95 | 34.06 | 34.25 | 33.73 | 34.28 | 34.86 | 34.54 | 33.79 | 33.48 | 33.64 | 33.86 |
| 29 | | | 34.02 | 34.21 | 33.70 | 34.27 | 34.95 | 34.38 | 33.67 | 33.48 | 33.81 | 33.89 |
| 30 | | | 34.03 | 34.21 | 33.68 | 34.42 | 34.81 | 34.49 | 33.71 | 33.44 | 33.73 | 33.90 |
| 31 | | | 34.01 | | 33.68 | | 34.82 | 33.89 | | 33.44 | | 33.98 |

(Draw 51 follows)

UNITED STATES GEOLOGICAL SURVEY WATER RESOURCES DIVISION GROUND WATER BRANCH

1957

YEAR

STATE

WATER WELLS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

WATER WELLS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

Highest water level 58.74 JAN 11 19 52 lowest 61.85 FEB 3-6 19 53 Records available 1950-57

(Daily mean water level IN FEET BELOW L.S.D. from recorder graph)

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 1 | 61.46 | 61.48 | 61.47 | 61.42 | 61.34 | 61.24 | 61.17 | | | | | |
| 2 | 61.46 | 61.48 | 61.47 | 61.42 | 61.32 | 61.24 | 61.18 | | | | | |
| 3 | 61.46 | 61.48 | 61.47 | 61.42 | 61.32 | 61.24 | 61.18 | | | | | |
| 4 | 61.46 | 61.48 | 61.47 | 61.42 | 61.29 | 61.24 | 61.19 | | | | | |
| 5 | 61.46 | 61.49 | 61.46 | 61.42 | 61.29 | 61.23 | | | | | | |
| 6 | 61.47 | 61.49 | 61.46 | 61.40 | 61.29 | 61.22 | | | | | | |
| 7 | 61.47 | 61.49 | 61.47 | 61.40 | 61.29 | 61.22 | | | | | | |
| 8 | 61.46 | 61.49 | 61.47 | 61.40 | 61.29 | 61.21 | | | | | | |
| 9 | 61.45 | 61.50 | 61.45 | 61.40 | 61.29 | 61.21 | | | | | | |
| 10 | 61.46 | 61.50 | 61.44 | 61.39 | 61.28 | 61.20 | | | | | | |
| 11 | 61.47 | 61.51 | 61.44 | 61.39 | 61.28 | 61.20 | | | | | | |
| 12 | 61.47 | 61.51 | 61.43 | 61.38 | 61.28 | 61.19 | | | | | | |
| 13 | 61.47 | 61.51 | 61.43 | 61.38 | 61.28 | 61.19 | | | | | | |
| 14 | 61.47 | 61.52 | 61.43 | 61.38 | 61.28 | 61.19 | | | | | | |
| 15 | 61.48 | | 61.43 | 61.38 | 61.28 | 61.19 | | | | | | |
| 16 | 61.48 | | 61.43 | 61.38 | 61.28 | 61.19 | | | | | | |
| 17 | 61.49 | | 61.43 | 61.38 | 61.27 | 61.20 | | | | | | |
| 18 | 61.50 | | 61.43 | 61.37 | 61.27 | 61.21 | | | | | | |
| 19 | 61.50 | | 61.43 | 61.37 | 61.27 | 61.21 | | | | | | |
| 20 | 61.47 | | | 61.37 | 61.25 | 61.19 | | | | | | |
| 21 | 61.45 | 61.49 | | 61.36 | 61.23 | 61.18 | | | | | | |
| 22 | | 61.49 | 61.44 | | 61.22 | 61.18 | | | | | | |
| 23 | 61.46 | 61.47 | 61.45 | | 61.22 | 61.19 | | | | | | |
| 24 | 61.46 | 61.47 | 61.45 | 61.34 | 61.22 | 61.19 | | | | | | |
| 25 | 61.46 | 61.47 | 61.45 | 61.34 | 61.23 | 61.19 | | | | | | |
| 26 | 61.46 | 61.47 | 61.45 | 61.34 | 61.23 | 61.19 | | | | | | |
| 27 | 61.46 | 61.47 | 61.45 | 61.34 | 61.24 | 61.18 | | | | | | |
| 28 | 61.46 | 61.47 | 61.45 | 61.34 | 61.24 | 61.18 | | | | | | |
| 29 | 61.47 | | 61.44 | 61.34 | 61.24 | 61.17 | | | | | | |
| 30 | 61.47 | | 61.44 | 61.34 | 61.24 | 61.17 | | | | | | |
| 31 | 61.48 | | 61.43 | 61.34 | 61.24 | 61.17 | | | | | | |