

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P535

Croton Falls
7 1/2' quad.

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Croton 15' quad
15y-9.3 S - 4.8 E

RECORD OF WELL

1. Location: State N.Y. County Putnam
 Nearest P. O. _____ Direction from P. O. _____
 Distance from P. O. _____ miles; _____ 1/4 sec. _____ T. _____ R. _____
 If in city, give street and number Town of Carmel

2. Owner: Lilian Rapp Address Croton Falls, N.Y.
 Driller: O.F. Lippolt Address Hanbury, Conn.

3. Situation: Is well on upland, in valley, or on hillside? hillside

4. Elevation of top of well: 425 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

5. Type of well: drilled; kind of drilling rig used st
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: 176 ft.; year in which well was finished 1930
 Does well enter rock? yes; if so, at what depth? 18 ft.; kind of rock granite gneiss

7. Diameter: At top 8 inches; at bottom 8 inches.

8. Principal water bed: granite gneiss - cumulative all way down.
(Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed _____ ft.; thickness of bed _____ ft.
 If other water supplies were found, give depth to each a little water at about 30'-40'

9. Casings: Kind steel; size 8"; length 21 ft.; between depths of 0 and 21 ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Packers (if any): Depth at which packers were used none; kind _____

Screen or Strainer: Was well finished with screen? no; kind of screen _____;
 length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;
 if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
 original pressure or head 15±?; if not flowing, give water level in well _____ ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump myers DW;
 size or capacity of pump _____; kind of power electric

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at 3 gallons per minute continuously for 6-7 hours;
 quantity of water ordinarily obtained from well 250-300 gallons per day.

13. Use: For what purpose is the water used? Dom - 2 families - 7 people.

14. Quality of the water: medium?; is there an analysis? _____
(Hard or soft, fresh or salty, etc.)

15. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank W. Crossman for Lilian Rapp & Fred Rapp
 Date 7-14-50 Address V.B.S. Albany. and driller

Dulles - LOG OF WELL (from memory - 20 years ago.)

| KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft) | DEPTH, IN FEET | | THICKNESS, IN FEET | REMARKS (Especially information as to water found) |
|--|----------------|-----|-----------------------|--|
| | From— | To— | | |
| Glacial till | 0 | 18 | 18 | boulders & fine stuff a little water on top of rock, maybe 2-3 gpm. |
| Granite-gneiss | 18 | 176 | 158 | a little water at 30- 40' (less than 1/2 gpm) |
| Picked up water on way down. balance of water came from below 130 ft. | | | | |
| | | | 23 15 1/2 gpm | 1/2 gpm |
| Pumped at 15 gpm with drawdown in 1/2 hour. | | | | 13.5 140 ft. of |
| well was yielding 5 gpm after 30 minutes | | | | |
| after 3 hours, it yielded 3 gpm. | | | | |
| after 6 hrs, still 3 gpm. | | | | |
| Static level | 15' | | | all this is approximate, from memory. |
| Pumping level | 150' | | | |
| Duration of test | 6 hrs. | | | |