

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P 370 4735

Control 315
no. 9

Carmel 15' quad
15 Y, 6.2 S, 2.1 E

P 620	
Loc. OK.	
Lake Carmel	
7 1/2' quad.	

RECORD OF WELL

1. Location: State New York County Rutland
 Nearest P. O. In west branch reservoir Direction from P. O. _____
 Distance from P. O. _____ miles; _____ 1/4 sec. _____ T. _____ R. _____
 If in city, give street and number Town of Carmel

Locate well on plat of section.

2. Owner: Board of Water Supply Address 120 Wal St. New York City
 Driller: _____ Address _____

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

4. Elevation of top of well: 493.6 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 51'4" ft.; year in which well was finished started 11-23-31; completed 11-28-31
Does well enter rock? yes; if so, at what depth? 9'2" ft.; kind of rock gneiss

7. Diameter: At top _____ inches; at bottom 1 3/8" (core) at bottom _____ inches.

8. Principal water bed: _____
(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 _____

9. Casings: Kind _____; size _____; length _____ ft.; between depths of _____ and _____ 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 _____; kind _____

Screen or Strainer: Was well finished with screen? _____; kind of screen _____;
length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? _____; did it overflow when new? _____;
if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
original pressure or head _____; if not flowing, give water level in well _____ ft. below surface.

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

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

13. Use: For what purpose is the water used? _____

14. Quality of the water: _____; 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 _____

Date _____ Address _____

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL <small>(Give color and tell whether hard or soft)</small>	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS <small>(Especially information as to water found)</small>
	From—	To—		
Water	0	3	3	
Sand	3	7'2"	4'2"	← inches!
Decayed gneiss, brittle, broken	7'2"	26'6"	19'4"	(Gouville gneiss)
Hard gneiss, very hard brittle, good.	26'6"	51'4"	24'8"	
Elapsed time 6 days		Average progress per		
Working time 5 days		working day = 10.27 ft.		
Core recovery = 49.2%				
Core broken to 35", then in very good condition				