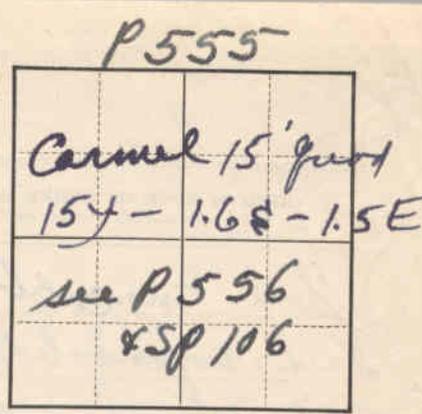


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

Lake Carmel 7 1/2' Quad.

not found in  
Beal's records



RECORD OF WELL

1. Location: State New York County Putnam  
 Nearest P. O. Carmel Direction from P. O. NW  
 Distance from P. O. 4 miles; 1/4 sec. T. Kent, R.   
 If in city, give street and number "Rock Ledge"

2. Owner: Dr. Albert A. Somerville Address Farmer's Mill's Road Carmel, N.Y. also: 230 Park Ave. N.Y. 17, N.Y.  
 Driller: P.F. Beal and Sons, Inc. Man on rig. C. Anderson Address 4 Putnam Ave., Brewster, N.Y.

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

4. Elevation of top of well: 818 818 ft. above the level of sea (Above or below) (Sea, spot, lake, or stream)

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

6. Depth of well: 265 ± 10' ft.; year in which well was finished 1935  
 Does well enter rock? yes; if so, at what depth? 10-12 ft.; kind of rock rock

7. Diameter: At top 6 inches; at bottom 6 inches.

8. Principal water bed: rock (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 steel 6" 18'

9. Casings: Kind steel; size 6"; length 18' ft.; between depths of 0 and 18' 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 —; if not flowing, give water level in well 4 ft. below surface. reported

11. Pump: Is the well pumped? yes; kind of pump Myers-Jet; size or capacity of pump ; kind of power electric

12. Yield: Natural flow at present (if any) 4 gallons per minute; original flow  gallons per minute; well has been pumped at 4 gallons per minute continuously for 5 hours; quantity of water ordinarily obtained from well 1000 + est. with 10-15 over all year gallons per day.

13. Use: For what purpose is the water used? Dom - 1 family (14 bathrooms) + poultry (see over)

14. Quality of the water: soft; is there an analysis? No (Hard or soft, fresh or salty, etc.)

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

Name of person filling blank I.G. Grossman from MR. HARVEY BURNS CARETAKER  
 Date 7-21-50 Address U. S. Geol. Survey, Albany + Dr. Somerville

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.  
of C. Anderson 10-20-50

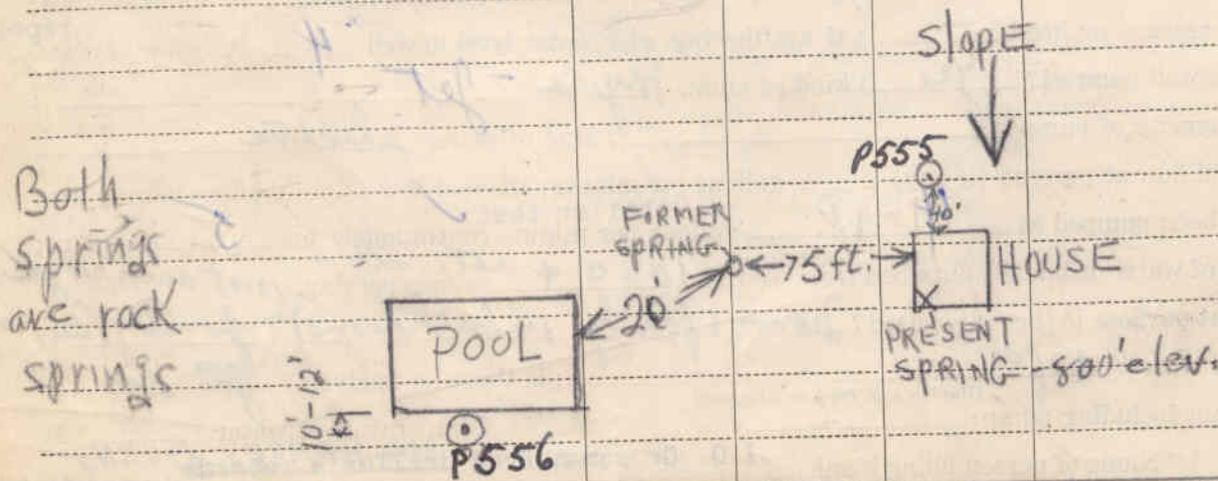
# Driller's LOG OF WELL (from memory)

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—		
Soil - no cobbles	0	10-12	10-12	
Dark amphibolite-gneiss 2 drill cores collected show thin bands of amphibolite. a few thin streaks of quartz	10-12	265	253-255	steep foliation; abundant biotite water at bottom after dynamiting.

Only 1-1 1/2 GPM before dynamiting at bottom.

Bailed at 12 GPM for 2 1/2 hours with 260 ft. of  
browdown.

Drill cores still on property. close to 500 fowl at all times  
Poultry includes 27 ducks, 440 chickens & hens, & 24 turkeys.  
Blasting changed course of spring. See SP 106



Both  
springs  
are rock  
springs