

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

P168 168

1679	16919
353	3454
154, 755	25E
5057	35E

for shild, see P353

Lake Carmel Topo  
Township Carmel  
7<sup>th</sup> Quad

RECORD OF WELL

1. Location: State N.Y. County Potnam

Nearest P. O. Mahopac Direction from P. O. NE

Distance from P. O. 1 1/2 miles; 1/4 sec. T.    , R.    

If in city, give street and number Tom of Carmel (Community Church) shild in back of P353

2. Owner: The Homestead Address Crafts, N.Y.

Driller: P. F. Beake & Sons Address Brewster, N.Y.

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

4. Elevation of top of well: 596 ft. above the level of sea (Sea, depot, lake, or stream)

5. Type of well: DR.; kind of drilling rig used Rotary core drill

6. Depth of well: 50 ft.; year in which well was finished 1946

Does well enter rock? Yes; if so, at what depth? 28 ft.; kind of rock soft Black (granite) Rock.

7. Diameter: At top 6 inches; at bottom 5 inches.

8. Principal water bed: Rock 8 GPM at 36 ft.  
Depth to principal water bed 36' ft.; thickness of bed     ft. (no other water)

If other water supplies were found, give depth to each    

9. Casings: Kind steel; size 6"; length 12'5" ft.; between depths of 0 and 12 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 6 ft. below surface

11. Pump: Is the well pumped? yes; kind of pump Domestic Jet; 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 8 gallons per minute continuously for 8 hours; quantity of water ordinarily obtained from well 3000 avg 5000 max gallons per day.

13. Use: For what purpose is the water used? Dom - summer camp

14. Quality of the water: no odor, taste, or corrosion; is there an analysis? 5/30-9/20

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

Name of person filling blank U. H. R. from N.Y. Public Health  
Date 2/10/48 Address Records - Poughkeepsie N.Y.

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.  
7-14-50 x 222 pm Dr. Shea x from NYSDPH (2-28-50) & local records 55-50

# LOG OF WELL

Page's notes

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 & Boulders (Till)	0	8	8	Dirt, boulders Till (200)
Soft rock	8	12'5"		This well on
<del>Black granite gneiss</del> Black rock.	12'5"	50		South side of
(black & white bands)				brook
				Other well 50'
				north; both
				pumped by
				same pump.
<p>Crackling used to locate 2 of these wells.</p> <p>Casing driven to 12'5"</p> <p>Bed rock at 8 ft.</p> <p>Grouted between 6.5" casing.</p>				
<p>Dred cores still on property = Black &amp; white banded granite gneiss</p> <p>These two wells (125', 50')</p> <p>supply the camp (50 on weekdays, 100 on weekend)</p> <p>Other well 208' deep is used for emergency</p>				
<p>Dr. V. Olson who was present at time of drilling wells, reports that all 3 wells struck water at</p>				
<p><u>Pumping Test</u>   3.5' - 50' depths.</p>				
St. water level - 19 ft. below grade.			6'	
Pumping rate in g.p.m.			8'	
Pumping level in ft. below grade			28'	
Duration of test, in hours			?	check with Ben
Water clear at end of test.				
Recommended depth of pump in well, 28 ft. below grade.				