

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

loc. O.K. P618 ~~734~~ 734  
Carmel 15' good at depth 10  
154, 6.85, 2.2 E C312 8678

RECORD OF WELL

		3	

Label Carmel  
75' good

• Locate well on plat of section.

1. Location: State N.Y.S. County Put.  
Nearest P. O. \_\_\_\_\_ Direction from P. O. \_\_\_\_\_  
Distance from P. O. \_\_\_\_\_ miles; \_\_\_\_\_ 1/4 sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_  
If in city, give street and number \_\_\_\_\_

2. Owner: N.Y. Board of Water Supply Address 120 Wall St. N.Y. City  
Driller: \_\_\_\_\_ Address \_\_\_\_\_

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

4. Elevation of top of well: 518.6 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: 430 ft.; year in which well was finished \_\_\_\_\_  
Does well enter rock? ye ; if so, at what depth? 8.6' ft.; kind of rock \_\_\_\_\_

7. Diameter: At top \_\_\_\_\_ inches; 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 \_\_\_\_\_

# LOG OF WELL

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—		
<p>no log available at N. Y. C. Board of Water Supply percent core recovery = 83.7</p> <p>other borings in vicinity of shaft 10, West Br. Reservoir</p>				

Boring no.	Surface Elevation	ELEV. TOP, DECAYED ROCK	ELEV. TOP SOUND ROCK	ELEV. BOTTOM HOLE	% CORE RECOVERY
3P618	518.6		510	88.6	83.7 ← P618
13	455.2	443.9	438.9	411.2	78.9
14	464.66	455.66	443.66	430.66	31.6
15	458.85		445.6	425.85	52.7
16	467.21		—	452.61	—
17	458.62		443.52	421.62	81.0

at least 4 facets shown by Thru  
under West Branch reservoir (see top  
map) (7 1/2" old Lake Carmel Quad.

518.6  
88.6  

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430.0

455.66  
443.66  

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12.00

443.9  
438.9  

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5.01