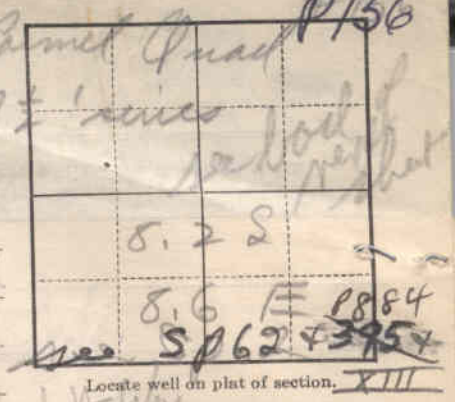
Carmel 15' quad
9-255
(Jan. 1927)
15Y-4.05-4.4E

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P156

RECORD OF WELL



1. **Location:** State N.Y. County Putnam
   Nearest P. O. Carmel Direction from P. O. North
   Distance from P. O. 1 miles; ¼ sec. T. , R.
   If in city, give street and number Town of Kent

2. **Owner:** Bill + Dale Camp Co. Address Carmel, N.Y.
   Driller: cleaned out by Agnew Address Lincoln, N.Y.

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

4. **Elevation of top of well:** 570 ft. above (Above or below) the level of sea (Sea, depot, lake, or stream)

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

6. **Depth of well:** 150 ft.; year in which well was finished 1936 - driller
   Does well enter rock? yes; if so, at what depth? ? ft.; kind of rock limestone

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 148 ft.; thickness of bed ? ft.
   If other water supplies were found, give depth to each

9. **Casings:** Kind steel; size 6"; 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 18 ft. below surface.

11. **Pump:** Is the well pumped? yes; kind of pump Peerless Jet Pump (40' pipe);
    size or capacity of pump 1000 GPH; kind of power Electric 1½ HP (220 AC)

12. **Yield:** Natural flow at present (if any) gallons per minute; original flow gallons per minute;
    well has been pumped at 16 gallons per minute continuously for 24 hours;
    quantity of water ordinarily obtained from well 20,000 gallons per day.

13. **Use:** For what purpose is the water used? PWS Somerstein - supplies 90 bungalows

14. **Quality of the water:** no odor, tasty, no corrosion; is there an analysis? yes (Hard or soft, fresh or salty, etc.)

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

Name of person filling blank
Date June, 1947 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.

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see XIII for one more analysis

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)

Surrounding soil rocky - limestone.

8-18-42 NYSDH Analysis: Tap in D. J. Miller residence

Fe - 0.5

NO_3 0.16 3.7 (as NO_3) pH - 7.1

Chloride 1.0

Hardness Total 62.0

alk 49.0

Pump tested at 30 GPM for at least 24 hrs. with 147 ft. of drawdown 2 hrs.

after cleaning

stat. level - 3 ft.

pumping level - 150 ft.

water drawn by ~~gravity to reservoir~~ pumped to concrete storage tank measuring 20'x20' x 4' deep.

See sketch of on back of SP 62

→ water from this tank is delivered to a 5000 gal. pressure tank by a 5/8 Deming elec piston pump

(Report from Beal's records by ... 5-5-50 (apparently another well) Alex Maillard - Hill & Dale 70' deep, 3½ GPM yield, level = 17'; owner or rig = E. Anderson, Ed Smith, J. P. Ashley)

Pumps (according to NYSD Pub. Health at Poughkeepsie

1. 1/6 H.P. Burks centrifugal pump

2. 1/4 H.P. Gould piston pump.

9 GPM obtained by Beal with DW pump, before cleaning (Sept. 1949)

well was inadequate when population grew to 325

~~Sand & clay~~ rock, pebbles in well cleaned out by Beal in 1949 - J. Ashley

Formerly yield 6 GPM - after rockfall only did 8 GPM; after cleaning could 15 gpm.

Beal has drilled another well at this site. Check in field.

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