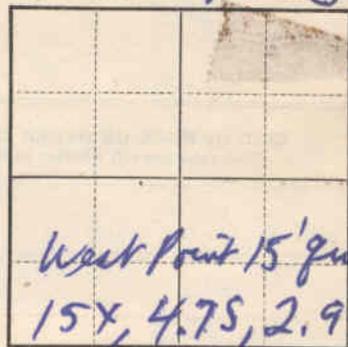


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P702 P623



RECORD OF WELL

1. Location: State N.Y.S. County Putnam
Nearest P. O. Cold Spring Direction from P. O. N
Distance from P. O. 3/4 miles; 1/4 sec. _____, T. _____, R. _____
If in city, give street and number Town of Phillipstown

West Point 15' quad.
15X, 4.75, 2.9E

Locate well on plat of section.

2. Owner: Catchkill Aqueduct Address Board of Water Supply 120 Wall St. N.Y.C.
Driller: C.H. McCarthy Address _____

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

4. Elevation of top of well: 342 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 295.7 ft.; year in which well was finished June 13, 1907
Does well enter rock? yes; if so, at what depth? 49.2 ft.; kind of rock _____

7. Diameter: At top 6" 63" inches; at bottom one inches

8. Principal water bed: Sand and Fordham gravels and fossil breccia
(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? yes
if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe 15 ft. above surface;
original pressure or head _____; if not flowing, give water level in well 0 ft. below surface.

11. Pump: Is the well pumped? no; 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 overflowed at 12-15 GPM. gallons per minute continuously for _____ hours;
quantity of water ordinarily obtained from well _____ gallons per day.

13. Use: For what purpose is the well water used? was test hole for Catchkill Aqueduct

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 J. J. Grossman for NYC Board of Water Supply

Date 10-26-50 Address at Albany

LOG OF WELL

NYC BWS
 Core Borings Foundry Brook Lyhin
 Hole No $\frac{2}{422}$ Sta 827+19
 Diamond drill New Station 826+75
 Agreement No. 22
 C.H. McCARTHY - driller
 0.3W #623
 June 13, 1907

From	To	THICKNESS IN FEET	Kind of rock & Remarks	rate: selected 3 out of 14 borings here at Foundry Brook
0	22.8	22.8	Sand, gravel, & boulders	Working time = 64-10 hr. shifts.
22.8	22.8	undisturbed	Boulder	
22.8	49.2	26.4	Hardpan and boulders	Water level = flowing well
49.2	56.2	7.0	Rotten rock - no core	
hole 6" at top to 22.8'	65.2	9.0	Granite and quartz	Core recovery = 8.5 %
to 80.8'	80.8	15.6	Water bearing seam	
3" hole to 49'2"	104.5	23.7	Granite & quartz	
49'2"	134.4	29.9	Soft rotten granite	
4 1" from then to bottom	197.1	62.7	Sand & rotten granite	
	210.3	13.2	Water flows 10 GPM.	
287.8	295.7	7.9	Weight of rods almost sufficient to make them sink in soft material (Feb. 6, 1907)	
Depth to bedrock = 49.2'			June 10, 1907 → water flowing from hole at rate of 12 to 15 GPM.	
Total depth = 295.7'				

from NYS Museum ~~for~~ Bull. 146 p. 161
 flowed 10 gallons per min. at 80 ft.
 and " 15 GPM after reaching 253 ft.