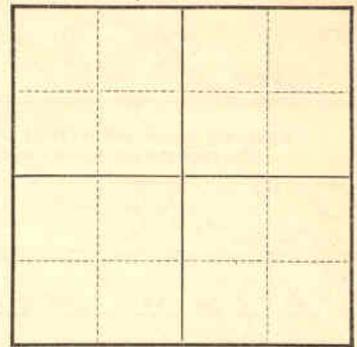


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

15X
4.65
10.3E

P18



West Point
15' pond

RECORD OF WELL

1. Location: State New York County Putnam
Nearest P. O. _____ Direction from P. O. _____
Distance from P. O. _____ miles; _____ 1/4 sec. _____, T. _____, R. _____
If in city, give street and number Town of Putnam Valley

Locate well on plat of section.

2. Owner: Joe Mazer Address Roaring Brook Lake
Driller: Frank Bacon Address Tanbury, Conn. Tel. 8-7021

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

4. Elevation of top of well: 790 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 262 ft.; year in which well was finished 1948?
originally 117 (Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
Does well enter rock? yes; if so, at what depth? 2? ft.; kind of rock (see below)

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

8. Principal water bed: gray granite Potchuck diorite
(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 3 GPM (in wet weather) at 30' ±

9. Casings: Kind steel; size 6"; length 10' ± ft.; between depths of 0 and 10' ± 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 18 ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump _____;
size or capacity of pump _____; kind of power elec.

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at 24 gallons per minute continuously for 8 hours;
quantity of water ordinarily obtained from well 300 (est.) gallons per day. (see over)

13. Use: For what purpose is the water used? Domestic - 1 family

14. Quality of the water: _____; is there an analysis? pending
(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 from driller & L. Page (June '49)

Date 6-5-50 Address from R. Adams (plumber) of Kent Colffs.

Duller's — 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—		
Loam & till	0	2	2	
Gray granite, hard & streaky	2?	262	260?	

This was originally a 117 ft. well drilled by Louis Cassel of Yorktown Heights.

Test pumped by Mr. Frank Bacon & yielded 3 GPM in wet season with 100 ft. of drawdown in about 20 minutes. The vein of water supplying the 3 GPM was high.

Deepened to 262 ft. & test pumped at 24 GPM for 8 hours. after $\frac{3}{4}$ of an hour, ~~the~~ water level dropped ^{from 18'} to 149 ft. & it did not go below the 149 ft. for the remainder of the 8 hrs. In other words, ~~the~~ 131 ft. of drawdown in first $\frac{3}{4}$ hr. & no drawdown for remaining $7\frac{1}{4}$ hrs. when pumped at 24 GPM.

Well was pumped for a short time next day and it maintained the 149' level. It had previously regained its static level overnight.

109
18
—
127