9—255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

see P76, 77 & SP52 #77 & 79 #75, 76

P75

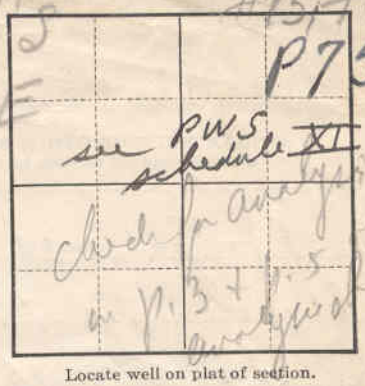
15X 1.5 S 4.4 E

West Point 15 quad

see PWS schedule XI

check for analysis in p. 3 & p. 5 of analysis sheets

RECORD OF WELL



Locate well on plat of section.

1. **Location:** State New York County Putnam
   Nearest P. O. _____ Direction from P. O. _____
   Distance from P. O. ____ miles; ____ ¼ sec. ____, T. ____, R. ____
   If in city, give street and number Town of Phillipstown

2. **Owner:** Graymoor Monastery Address Coldspring, N. Y.
   Driller: Paul Beal & Sons Address Crewsth N. Y.
   Fred Book on rig?
3. **Situation:** Is well on upland, in valley, or on hillside? valley
4. **Elevation of top of well:** 440 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:** 28-32' ~~95-Beal~~ ft.; year in which well was finished ~~1937~~ ~~1939~~ 1936
   Does well enter rock? No; if so, at what depth? _____ ft.; kind of rock _____
7. **Diameter:** At top 8 inches; at bottom _____ inches.
8. **Principal water bed:** sand and gravel Pleistocene (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? yes; kind of pump one pump, suction Deming;
    size or capacity of pump 96 gpm (Rev. John Baptiste); kind of power electric 15 HP Century
12. **Yield:** Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
    well has been pumped at 96 (Rev. John Baptiste) gallons per minute continuously for 5 Total
    quantity of water ordinarily obtained from well 4 15-20 000 gallons per day.
13. **Use:** For what purpose is the water used? PWS domestic 25,000 day supply monastery
14. **Quality of the water:** mod. hard (Hard or soft, fresh or salty, etc.); is there an analysis? yes
15. **Cost of well,** not including pump: _____ Temperature of water _____
    Name of person filling blank J. Page DPH Poughkeepsie
    Date June 1950 Address & Ill from Ross Beal (Sept. 1953)

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

8-17-50 & Ill Grossman for Beals

96 GPM divided by 2 (2 wells) = 48 GPM (DFG)

see back of P76 for →

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)

Believed that this well + one other well in this locality are hooked up to one pump.

Not sure of number of wells [DPH says 1; Brother Jerome says 2 or 3, driller contract mentions 2 wells]

These wells supply needs of monastery except in some years when they were inadequate and NYC acqueduct water was used [1948 (J. Father Baptiste Schaad)]

Pump controlled manually, 2-3 hours av'g weekday use, 3-5 hours weekend, peak use. pump 5700 gg hour. Water pumped to 4 steel storage tanks 750 g capacity each, and 2 concrete tanks 4000 + 4800 gal. capacity

See back of P76 for additional log

Fred Booth lives at Lake Syon (part of Housatonic River) near Sandy Hook left Bend during war (1943-1949)

Leo Page's Log				9-3-42
Peat + Clay	0	30	30	Fe 0.7
sand + gravel	30	90	60	NO_2 0.001
				NO_3 ~~1.7~~ 8.0
				Free NH_3 0.002
	Wells not used for 3 months in 1949. Ran low but not dry			Cl 5.8
				Hardness 82.0
				alk. 61.0
				pH 6.9
				Turbidity - trace
				Color - 0
				ox. cons. - 1.1

4.43
1.7
3.101
4.93
8.031

See most accurate log on back of P76.

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see P76 for another analysis