~~P440~~ ~~P725~~ P640

9—255
(Jan. 1927)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

hole No. 10
Sta. 838+58
2.6 E

checked 6-25-07
West Point 15" gun
15X, 4.65, 2.8E

Locate well on plat of section.

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

2. **Owner:** New York City Catskill Aqueduct Address 120 Wall St., N.Y. City
Driller: C. H. McCarthy Address

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

4. **Elevation of top of well:** 375.9 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 diamond drill (Solid tool, jetting, rotary, etc.)

6. **Depth of well:** 361.1 ft.; year in which well was finished May 22, 1907
Does well enter rock? yes; if so, at what depth? 50.5 ft.; kind of rock gneiss

7. **Diameter:** At top 6" inches; at bottom 1 5/8" inches.

8. **Principal water bed:** Storm King granite (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 open; size 6"; length 155 ft.; between depths of 0 and 155 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? 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 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 gallons per minute continuously for hours;
quantity of water ordinarily obtained from well none gallons per day.

13. **Use:** For what purpose ~~is~~ was well the water used? test hole.

14. **Quality of the water:** ; is there an analysis?
(Hard or soft, fresh or salty, etc.)

15. **Cost of well, not including pump:** $1631.87 Temperature of water ° F.
$6.25 per ft.
Name of person filling blank see for NYC BWS records
Date 10-25-50 Address USGS-at Albany.

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

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	DEPTH, IN FEET To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)
Sand, gravel and boulders	0	36.4	36.4	
Hardpan	36.4	50.5	14.1	
Gneiss with large % of quartz	50.5	67.5	17	
Soft decomposed rock	67.5	116.4	48.9	
Gneiss	116.4	131.0	14.6	
Gneiss with large % of quartz	131.0	223.2	92.2	
Gneiss and quartz	223.2	261.1	37.9	
Elapsed time 79 days				
Working time 93 shifts				
Percent recovery 48%				

Porosity Test - not dated; but report checked in Jan. 25, 1907

Depth to Packer	PRESSURE LBS. PER SQ. IN.	WATER LOSS GAL. PER MIN.
115.5	100	0.10
"	50	0.05
"	25	0.02

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