

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

636 2714

Hole no. 10B

West Point 15' quad
15X, 11.1 S, 5.2 E

Care bearings
Hole no. D 58
- D 76 5
acc. no. N.P.
Mount Brook Ingham
Station 440 + 500
24.8 E.C.L.

RECORD OF WELL

1. Location: State N.Y. 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 _____

Locate well on plat of section

2. Owner: New York City Catskill Aqueduct Address Board of Water Supply 130 Wall St. N.Y. City
 Driller: Healey Address _____

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

4. Elevation of top of well: 160.8 ft. above the level of sea

5. Type of well: dug (Dug, driven, bored, or drilled); kind of drilling rig used shot drill & heavy, the diamond drill

6. Depth of well: 260.7 ft.; year in which well was finished Sept. 27, 1906

Does well enter rock? yes; if so, at what depth? 159.6 ft.; kind of rock limestone

7. Diameter: At top 3 inches; at bottom 1 1/2 inches.

8. Principal water bed: Grewville limestone
 Depth to principal water bed _____ ft.; thickness of bed _____ ft.
 If other water supplies were found, give depth to each _____

9. Casings: Kind yes; size 3"; length 166 ft.; between depths of 0 and 166 ft.
 Kind no 1 1/2" hole; size 1 5/16"; length _____ ft.; between depths of 166 and 260.7 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? 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 _____ gallons per day.

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

14. Quality of the water: _____; is there an analysis? _____

15. Cost of well, not including pump: _____
 Name of person filling blank Jess from NYC B. of Water Supply records
 Address U.S.G.S. at Albany

Date 10-28-50

LOG OF WELL

42-85
80+4-130

KIND OF ROCK OR OTHER MATERIAL <small>(Give color and tell whether hard or soft)</small>	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS <small>(Especially information as to water found)</small>
	From—	To—		
Sand and gravel	0	20	20	
Gray waterwashed sand	20	35	15	high in quartz
Coarse water washed sand	35	40	5	
Coarse water washed sand & gravel	40	45	5	
Piece of granite boulder	45	47.4	2.4	
Sand	47.4	80 37.6	32	
Fine sand and clay	78.4 80	85 85	5	
Brown sand and gravel	85	100	15	
Fine waterwashed sand & gravel	100	110	10	
Light brown water washed sand	110	115	5	
Coarse sand and gravel	115	125	10	
Fine sand and gravel	125	135	10	
Brown sand and clay	135	145	10	
Fine brown sand	145	159.6	14.6	
Limstone	159.6	260.7	101.1	

15
32
5
5
7
10
14
82

80.0
47.4

36.6

Working time 15 days
Elapsed time 21 days
% core recovery = 36.6 %

100 ft of
limstone

35
47.4
47.4