

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

*Pauling 7 1/2' sheet
Carmel Quad*

W.D.K.

P.381

*Clove 15' quad
15Y-1.1N-10.1E*

RECORD OF WELL

- Location: State N.Y. County Putnam
 Nearest P. O. Patterson Direction from P. O. east
 Distance from P. O. 3 1/2 - 4 miles; 1/4 sec. _____ T. _____ R. _____
 If in city, give street and number Town of Patterson
formerly John Cope Beich Hill
- Owner: Alfred Janssen Address Patterson, N.Y.
 Driller: Rutledge and Sloat Address Patterson, N.Y.
- Situation: Is well on upland, in valley, or on hillside? upland, hillside
- Elevation of top of well: 1104 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)
- Type of well: drilled ; kind of drilling rig used st
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
- Depth of well: 177 ft.; year in which well was finished 1940
 Does well enter rock? yes; if so, at what depth? 30±(?) ft.; kind of rock schist
- Diameter: At top 6" inches; at bottom 6" inches.
- Principal water bed: schist
(Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed 165 (approx); thickness of bed _____ ft.
 If other water supplies were found, give depth to each _____
- Casings: Kind steel ; size 6" ; length 38 ft.; between depths of 0 and 38 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 _____
overflows flange about 4' below ground
- Head: Does well at present overflow without pumping? no ; did it overflow when new? yes ;
 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 surface - overflows ft. below surface.
- Pump: Is the well pumped? yes ; kind of pump Cook Deepwell ;
 size or capacity of pump 200 GPH ± ; kind of power electric
- Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at 3 gallons per minute continuously for 8 hours;
 quantity of water ordinarily obtained from well average family of 3 gallons per day.
- Use: For what purpose is the water used? Domestic - 1 family - 3 people
- Quality of the water: medium hard - see over ; is there an analysis? yes (over)
(Hard or soft, fresh or salty, etc.)
- Cost of well, not including pump: _____ Temperature of water 47 ° F.

Name of person filling blank J.G. Grossman from driller (Walter Rutledge) and Alfred Janssen. (5-11-50)
Date 3-22-50 Address _____

Composite — 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—		
Soil, boulders, hardpan	0	30±	30±	
Schist (had garnets) report ↑ from memory.	30	177	147	main water bed at about 165 ft.
<p>Water pumped to 500± gallon tank. Tank is too large + well too deep. Reported that Cape spent money needlessly on this project.</p>				
<p>Striated limestone erratic on grounds here near house (about 1' x 1' x 1½') Rest of boulders are schistose.</p>				
<p>George Lucas at Pawling - for dope on drilled well at Patterson Sheffield plant.</p>				
<p>Average Drilling Speed here about 10' per day - W. Rutledge</p>				
<p>Analysis N-VS#D - collected - JLL - 5-11-50</p>				
Total solids	137			
SO ₄	9.1		Color	5
Cl	1.2		Turbidity	Trace
Hardness (total)	96.0			
CO ₃	96.0		Fe =	0.10
Non CO ₃	0		Mn =	< 0.01
alpha	111.0			
PH	7.3			