

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P478

Close
Canal 15' grid
15y-0.8N-6.9E

Locate well on plat of section.

Pauling
7 1/2' Quon

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 Patterson

2. Owner: Jesse Knapp Address Patterson, N.Y.
Driller: Jesse Knapp Address " " "

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

4. Elevation of top of well: 460 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 27 ft.; year in which well was finished 1939
Does well enter rock? no; if so, at what depth? _____ ft.; kind of rock _____

7. Diameter: At top 1" inches; at bottom 1" inches.

8. Principal water bed: fine gravel
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 16 ft.; thickness of bed _____ ft.

If other water supplies were found, give depth to each _____

9. Casings: Kind steel pipe; size 1"; length 27 ft.; between depths of 0 and 27 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? yes; kind of screen foot valve screen
length of screen _____ ft.; diameter _____ inches; size of openings in drive point

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 16 ft. below surface.

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

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at 8 gallons per minute continuously for 60 hours;
quantity of water ordinarily obtained from well 500± gallons per day. 3 days & 2 nights

13. Use: For what purpose is the water used? Dom. 1 family; 6 people

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

15. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank J. Grossman from Jesse Knapp (owner)
Date 5-24-50 Address US Geol Survey at Albany

LOG OF WELL

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—		
Soil	0'	4'	4'	
Brown clay	4'	4'1"	1"	
Gray gravel	4'1"	27'	23'	
Permutit ^{from Berl} Analysis	3-	31-41		dred well.
Total hardness	220	✓		
Alk.	195	✓		
CO ₂	21			
Cl	10	7.0	✓	
SO ₃	16	18	✓	
Fe	0.1	✓		
Turbidity	5	✓		
Color	15	✓		
PH	7.2	✓		
Total compensated hardness	13			