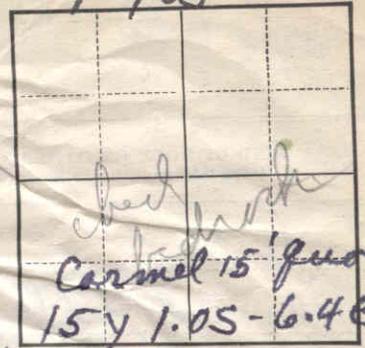


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

P 465



RECORD OF WELL

yield?  
country rock?  
caprock of pump?

1. Location: State N.Y. County Putnam  
Nearest P. O. Joiners Direction from P. O. W  
Distance from P. O. one miles; 1/4 sec.     , T.     , R.       
If in city, give street and number Town of Patterson

2. Owner: Paul Rudin Address Joiners, N.Y.  
Driller: Henry Ballard Address Patterson, N.Y.  
Lester Davis on rig

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

4. Elevation of top of well: 500 ft. above the level of sea  
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 75 ft.; year in which well was finished 1935  
Does well enter rock? yes; if so, at what depth? 20 ft.; kind of rock micaceous schist  
Ballard dril about 36'  
1937 - Davis  
or '37

7. Diameter: At top 6" inches; at bottom 6" inches.

8. Principal water bed: schist  
Depth to principal water bed 75 ft.; thickness of bed      ft.  
(Gravel, sand, clay, or rock. If rock, state kind)

If other water supplies were found, give depth to each     

9. Casings: Kind ~~steel~~; size 6"; length 30? ft.; between depths of 0 and 40 ft.  
Kind steel; size 6"; length 20 ft.; between depths of 0 and 20 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     

10. Head: Does well at present overflow without pumping? yes; did it overflow when new? yes;  
if flowing, give pressure      lb. per sq. inch; or height water will rise in a pipe 5 ft. above surface;  
original pressure or head 5 lbs.; if not flowing, give water level in well      ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump Gould SW;  
size or capacity of pump     ; kind of power electric 1/3 HP

12. Yield: Natural flow at present (if any)      gallons per minute; original flow      gallons per minute;  
well has been pumped at 8 GPH gallons per ~~minute~~ continuously for      hours;  
quantity of water ordinarily obtained from well      gallons per day.

13. Use: For what purpose is the water used? Domestic - one family

14. Quality of the water: Very hard - smelt white; is there an analysis? yes (over)  
(Hard or soft, fresh or salty, etc.) smelt in pots

15. Cost of well, not including pump:      Temperature of water 49 ° F.  
see over

Name of person filling blank J. G. Grossman pen owner  
Date 5-12-50 Address V.P. Geol. Survey at Albany

Lester Davis - man on rig

# 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	0	1	1	No water on the way down
glacial till with blue clay	1	20	19	
micaceous schist	20	75	55	Water near bottom

stopped flowing in May 1949 & started flowing again in Feb. 1950. Well does not yield much even though it flows. It gets dry after about 50 gallons are pumped. It recovers after one hour and overflows again. Water is pumped to 2 tanks (100 gallons each.)

Note on temperature: Temp is probably lower because it was warmed up in transit.

Analysis 5-12-50 - Top in kitchen - drilled well.  
N.Y.S. Dept. of Health Analysis

Iron 0.25  
 Mn 0.04  
 Total solids 143  
 Sulfates as SO<sub>4</sub> 11.8  
 Cl 1.8  
 Total hardness (as CaCO<sub>3</sub>) 96.0  
 Alk (as CaCO<sub>3</sub>) 112.0

Note: water leaves heavy white crust on pots.

Well overflowing at rate of 1 gal. in 5 minutes (8-6-50). after running schoolhouse well for 4 hrs. radius of influence is

pH (dropped to 7.8 after 2 hrs) at 1 1/2 GPM, well stopped overflowing. 215 ft. depth. 1:45 P.M.