

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

*Free Case*  
*Brewster 9-30 H*  
*call about 5:30*  
*8:00 PM*

P476


RECORD OF WELL

1. Location: State NY County Cattaraugus  
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

Carmel 15' good  
15 y 2.8\$ - 8.0E

Locate well on plat of section.

2. Owner: Dumas ~~William Dixon~~ R.H.M. Address Patterson, N.Y.

Driller: Frank Carroll James Carroll Address Brewster, N.Y.

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

4. Elevation of top of well: 570 ft. above the level of sea  
(Above or below) (Sea, depot, lake, or stream)

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

6. Depth of well: 97 ft.; year in which well was finished 1950 (May)  
Does well enter rock? yes; if so, at what depth? 4 ft.; kind of rock granite gneiss

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

8. Principal water bed: rock  
Depth to principal water bed 68' ft.; thickness of bed \_\_\_\_\_ ft.  
(Gravel, sand, clay, or rock. If rock, state kind)

If other water supplies were found, give depth to each 1/2 gallon at 68'

9. Casings: Kind steel; size 6"; length 24 ft.; between depths of 0 and 24 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 \_\_\_\_\_

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 28 ft. below surface.

11. Pump: Is the well pumped? not yet; kind of pump jet;  
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 20 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? Dom. - 1 family

14. Quality of the water: \_\_\_\_\_; is there an analysis? yes  
(Hard or soft, fresh or salty, etc.) white dr sample of 68' water

15. Cost of well, not including pump: \_\_\_\_\_; Temperature of water 60 ° F.  
Name of person filling blank J. Grossman for James Carroll (driller)

Date 5-24-50 Address \_\_\_\_\_

Duller's

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—		
Clay and boulders	0	4	4	
Rock - granite - changed from hard to soft	4	97	93	
Property level 78 ft.				
Granite occurs outcrop on property.				
Pyrite (fine) at about 87' (from cuttings) Pyrite is unweathered.				
Sample of water taken from 68 ft.				
Analysis - NYSDPH - collected 5-25-50				
Dissolved solids	2,460			
Fe	12.0			
Mn	5.0			
HCO <sub>3</sub>	123			
SO <sub>4</sub>	17.9			
Cl	5.8			
Hardness Total	36			
CO <sub>3</sub>	36			
Non CO <sub>3</sub>	0			
Alka	101			
PH	8.3			

Color 10; Turbidity - not determined - sample filtered.