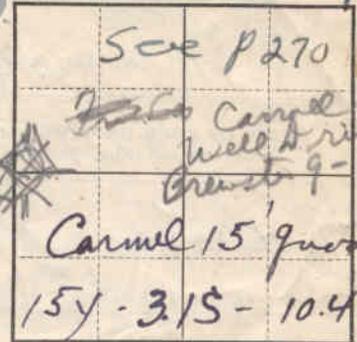


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

Letter sent to Jenny Carroll for more logs

P269



Proposed 7 1/2' well #1

New (North) House

RECORD OF WELL

1. Location: State N.Y. County Putnam  
Nearest P. O. Patterson Direction from P. O. SE  
Distance from P. O. 5 miles; 1/4 sec. T., R.   
If in city, give street and number Town of Patterson

2. Owner: Dr. Bernard Ross - formerly Tolbert & also Breckenridge Green Chimney Farm Address Patterson, N.Y.  
Driller: Rutledge and Sloat Address Patterson, N.Y.

3. Situation: Is well on upland, in valley or on hillside? valley  
4. Elevation of top of well: 450 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: 300 (?) ft.; year in which well was finished 1940  
Does well enter rock? yes if so, at what depth? 78 ft.; kind of rock black rock & gray

7. Diameter: At top 6" inches; at bottom 6" inches.  
8. Principal water bed: softer down  
(Gravel, sand, clay, or rock. If rock, state kind) ft.; thickness of bed ft.

9. Casings: Kind steel ; size 6" ; length 80 ft.; between depths of 0 and 80 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? no ; did it overflow when new?  ;  
if flowing, give pressure  lb. per sq. inch; or height water will rise in a pipe 20' ft. above surface;  
original pressure or head  ; if not flowing, give water level in well 20' ft. below surface.

11. Pump: Is the well pumped? yes ; kind of pump Coake Deepwell ;  
size or capacity of pump 16 GPM ; kind of power electric

12. Yield: Natural flow at present (if any) Failed in summer of 1942 gallons per minute; original flow  gallons per minute;  
well has been pumped at 100 ± GPM - NYS DPH gallons per minute continuously for  hours;  
quantity of water ordinarily obtained from well prob. 5,000 gallons per day (see memo)

13. Use: For what purpose is the water used? Kindergarten & Camp 25-40 children & 6 employees.

14. Quality of the water: Soft - no. Res. No odor, taste, or color. ; is there an analysis? also cows, pigs, goats, sheep.  
(Hard or soft, fresh or salty, etc.)

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

Name of person filling blank Dr. Grossman from NYS DPH health at Poughkeepsie.  
Date 3-2-50 Address + Frank Carroll & Coimbra (plumber)

(Drill rig) Miller's - LOG OF WELL ← James Carroll

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—		
Overburden	0	78	78	(according to James Carroll)
Pre-Cambrian green (geol. map)	78	230	152	Black rock 8' per day drill speed sometimes 4' per day. rock softer "deep down."

Two washing machines run steadily from 7:30 AM. to 4:30 PM.

Use probably 5,000 GPD - both wells - Mr. Ross  
 "(both wells) 300 GPD(!) - NYS DPH at Longhempus

This well cross connected to well #2 near barn.

Propped at 20 GPD  
 + don't get except it, so < 2/10' drawdown  
 propped!