

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P410

see P408	
Carmel 15' quad	
15y-0.65	6.2E

Carmel
7 1/2' quad.

RECORD OF WELL

1. Location: State New York County Putnam
 Nearest P. O. Patterson Direction from P. O. SW
 Distance from P. O. 2 miles; 1/4 sec. _____, T. _____, R. _____
 If in city, give street and number Town of Patterson

Locate well on plat of section.

Tel. Patterson 486

2. Owner: Robert Montgomery Address Towners, N. Y.
 Driller: H. J. Grim (deceased) Address Purdys, N. Y.
man on rig: Mead De Witt

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

4. Elevation of top of well: 594 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: 600 ft.; year in which well was finished 1937 or 1938

Does well enter rock? yes; if so, at what depth? 15 ft.; kind of rock limestone

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

8. Principal water bed: limestone
(Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed 110' ft.; thickness of bed _____ ft.

If other water supplies were found, give depth to each none

9. Casings: Kind steel; size 6"; length 18 ft.; between depths of 0 and 18 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? 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 100- ft. above surface; 110 ft. below surface. rept. (over)

11. Pump: Is the well pumped? no; kind of pump not worth pumping - little water

size or capacity of pump _____; kind of power _____

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;

well has been pumped at _____ gallons per minute continuously for _____ hours;

quantity of water ordinarily obtained from well not used gallons per day.

13. Use: For what purpose is the water used? not used

4. Quality of the water: _____; is there an analysis? _____

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

Name of person filling blank W. H. Rossman from caretaker Mr. Goodyear

Address U.S. Geol. Surv. in Albany & Mead De Witt (5212-50)

9-50

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—		
Hardpan	0	15	15	
Limestone	15	600	585	Main water bed at 110 ft.
<p>"Well was shot at bottom with two cases of dynamite & it filled up to 200 ft. Water was under the caved-in material. Rock was soft and we drilled 18 feet a day & didn't have to change the bit once all day."</p> <p>"The well could be bailed dry in one hour. When bailed dry on Friday, water came back to same level by the time drilling started again Monday morning. Well was bailed at least 25 'bailey-fulls' in one hour when emptied (850± gal.?) - info from Ned DeWitt - man on rig (bailey held 10' of water & was 4" in diameter).</p> <p>Write to Keystone Company in Kearny, New Jersey for information on Drim's relatives who may have his diary with his drilling notes.</p> <p>Bailey test by Frank Carroll in 1949. "Static water level then was 27 feet. Yield was 1/2 g.p.m. at 300 ft. There was a pocket of water at 27 ft. and it might have been giving the 1/2 g.p.m." - Frank Carroll</p>				