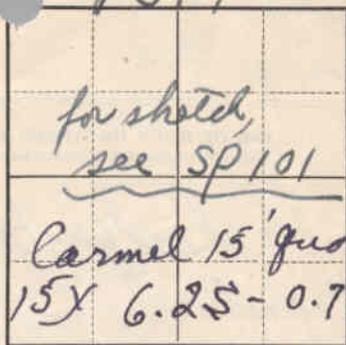


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P514



RECORD OF WELL

1. Location: State N.Y. County Putnam
 Nearest P. O. Mahopac Direction from P. O. NW
 Distance from P. O. 3 1/2 miles; 1/4 sec., T. _____, R. _____
 If in city, give street and number Town of Carmel

Locate well on plat of section.

2. Owner: Marjorie (formerly Wm) Hadfield Address Long Pond, N.Y.
 Driller: Louis Malanchuk & Son Address Croton Falls, N.Y.

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

4. Elevation of top of well: 694 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: 86 1/2 ft.; year in which well was finished 1939
 Does well enter rock? yes; if so, at what depth? 3 3/4 ft.; kind of rock hard granite

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

8. Principal water bed: granite (Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed approx. 70 ft.; thickness of bed _____ ft.
 If other water supplies were found, give depth to each ?

9. Casings: Kind steel; size 6"; length 9 1/2 ft.; between depths of 0 and 9 1/2 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 10 ft. below surface.

Pump: Is the well pumped? yes; kind of pump Myers DW
 size or capacity of pump _____; kind of power electric

Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at 7 1/2 gallons per minute continuously for 1 1/2 hours;
 quantity of water ordinarily obtained from well 600+ gallons per day.

For what purpose is the water used? Tavern, 1 house & 1 bungalow. Spring for drink-
 Quality of the water: Soft, but high in iron; is there an analysis? yes (over)
 (Hard or soft, fresh or salty, etc.)

Temperature of water _____ ° F.

Name of person filling blank Al Grossman from Dennis Malanchuk, Mar-
 Address jorie Hadfield & Selver Daugherty

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 & hardpan (<i>hardpan</i>)	0	3 3/4	3 3/4	
Granite	3 3/4	86 1/2	82 3/4	
<p>Bedrock outcrops within 20 feet of well.</p> <p>Actual drilling time = 10-12' per day (estimated) [229]</p> <p>Majorie Hadfield reports iron so high that it can sometimes be seen in the water as it leaves faucet.</p> <p>Analysis - 1-28-43 dnd. well - kitchen tap.</p>				
Total hardness	42 ✓			
alk A	31 ✓			
CO ₂	32			
Cl	6	4.2 ✓		
SO ₃	10	12 ✓		
Fe	15.0			
Turbidity	100 ✓			
Color	about- 30 ✓			
PH	6.3 ✓			
Total Comp. hardness	2 1/2			
Has taste. High iron				

76 1/2 ft. of drawdown
when bailed for
45 minutes (±) at
7 1/2 gal. per minute

~~96~~
~~122~~
~~192~~
~~96~~
~~143 1/2~~