9—255
(Jan. 1927)

#223

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P223

RECORD OF WELL

	1.0 N		
	8.2 E		
Clove	15' quad		
15Y-1.0N-8.2E			

Locate well on plat of section.

1. **Location:** State N.Y. County Putnam
   Nearest P. O. Direction from P. O.
   Distance from P. O. miles; ¼ sec. , T. , R.
   If in city, give street and number Town of Patterson Patterson Service Station Route 22
2. **Owner:** Tom Melch & family Address Patterson, N.Y.
   Driller: George Barber Address Wheeler Lake, N.Y.
3. **Situation:** Is well on upland, in valley, or on hillside? valley
4. **Elevation of top of well:** 450 ft. above (Above or below) the level of sea (Sea, depot, lake, or stream)
5. **Type of well:** drilled (Dug, driven, bored, or drilled); kind of drilling rig used standard (Solid tool, jetting, rotary, etc.)
6. **Depth of well:** 80 86 ft.; year in which well was finished 1947
   Does well enter rock? yes; if so, at what depth? 53 ft.; kind of rock shale — soft-black
7. **Diameter:** At top 6 inches; at bottom 6" inches.
8. **Principal water bed:** shale Hudson River Pelite (Gravel, sand, clay, or rock. If rock, state kind)
   Depth to principal water bed 60 ft.; thickness of bed ft.
   If other water supplies were found, give depth to each
9. **Casings:** Kind steel; size 6; length 53'4" ft.; between depths of +3 and ~~50~~ 50 ft.
   Kind Casing protrudes 3 ft. above ground; 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? ~~yes~~; did it overflow when new? yes; (would have overflowed if not for casing 3 ft. above ground)
    if flowing, give pressure — lb. per sq. inch; or height water will rise in a pipe ½ ft. above surface;
    original pressure or head ; if not flowing, give water level in well 2½ ft. below surface.
11. **Pump:** Is the well pumped? yes; kind of pump Domestic SW (Meyers?);
    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~~ 15 gallons per minute continuously for 2 hours; (100 gpd - weekdays, 400 weekends)
    quantity of water ordinarily obtained from well 400 gallons per day.
13. **Use:** For what purpose is the water used? Filling station & house
14. **Quality of the water:** — (Hard or soft, fresh or salty, etc.); is there an analysis? Sample from Kitchen Tap (Hardness 26.0 ppm)
15. **Cost of well, not including pump:** $140.00

Temperature of water — ° F.

Name of person filling blank L. Page from driller's record

Date June, 1949 Address & Interviewed driller (4-9-50)

On the back of this sheet give the record of the beds through which the well passes and any other facts not given above.

6—9642

Driller's LOG OF WELL (from memory)

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET From—	To—	THICKNESS, IN FEET	REMARKS (Especially information as to water found)
Sand & clay	0	53	53	Clay 0 15 15; Sand & gravel 15 53 38
~~Shale~~ mica schist	53	80	27	Soft, black rock
at	75'			water level 8'
at	80'			" " 5'

Pumped 15 GPM for 2 hours with 8 ft. drawdown from 2½ to 11 ft.

Pumped 25 to 30 GPM for 2-3 hours. Then it slowed down — George Baker

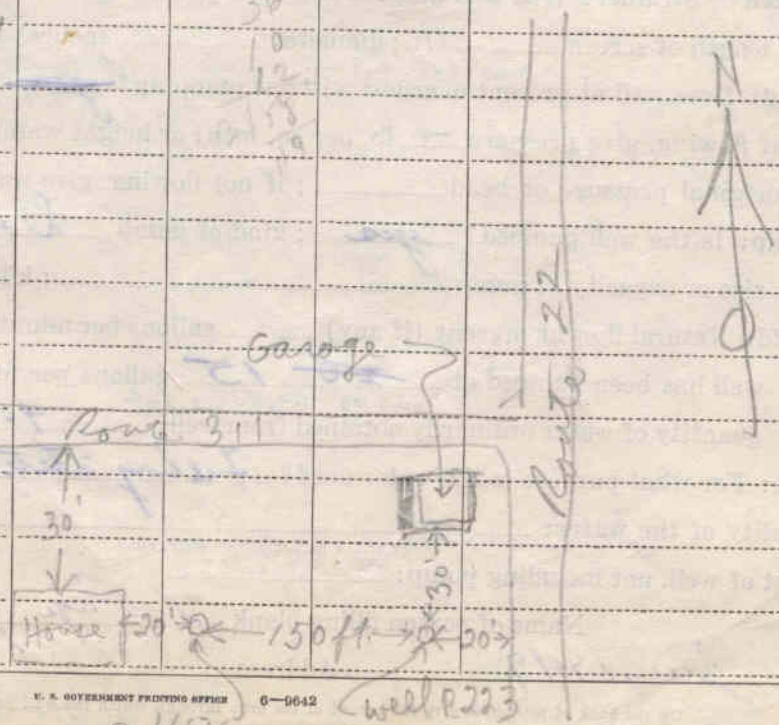
Level 2½ ft.
Pumping level 11 ft. } after 2 hrs.

Average speed = 16½ ft. per day

37
10 } Cased
10

20
5

5 | 82
16½



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