453-1051

FORM 9-1642
(1-68)

Well No. F4

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED ROLLA CO.

MASTER CARD

Record by: WTQ Source of data: Obs Date: 9/70 Map:

State: 28 County (or town): GRENADA 22

Latitude: 33 41 35 N (deg, min, sec) Longitude: 089 59 45 (degrees, min, sec) Sequential number: 1

Lat-long accuracy: 2 T 21 S, R 3 W, Sec 9, NW ¼, SW ¼, SW ¼ B & M

Local well number: F004CC0921N03E Other number:

Local use: 064 Owner or name: Ferguson Sd + Gravel

Owner or name: FERGUSON SAND Address: Holcomb Plant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other ~~N~~ U

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas.: Φ Field aquifer char.

Hyd. lab. data:

Qual. water data; type: USGS 9/70 C

Freq. sampling: Pumpage inventory: yes no period:

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 900 ft 588 Meas. rept accuracy 3

Depth cased: (first perf.) ft 558 Casing type: Diam. 12x8 in 12

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., (S) 30° screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other H

Date Drilled: 970 Pump intake setting: ft 300

Driller: LAYNE-CENTRAL (name), CLEVELAND (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other T Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 75 V Trans. or meter no.

Descrip. MP ft above below LSD, Alt. MP

Alt. LSD: 350 Accuracy: (source) topo 4

Water Level ft above below MP; Ft above below LSD 175 Accuracy: D

Date meas: 970 Yield: @ 40 lbs gpm 500 Method determined 6

See back

Drawdown: 126 ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron .39 ppm Sulfate 2.2 ppm Chloride 7.0 ppm Hard. 15 ppm

Sp. Conduct 300 K x 10^6 2 Temp. 70.5 °F 204 Date sampled 970

Taste, color, etc.

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Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

D (22) Drainage Basin: 156 (23–25) Subbasin: (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat (27)

MAJOR AQUIFER: system, series TE (28–29) aquifer, formation, group MW (30–31)

Lithology: US (32–33) Origin: 2 (34) Aquifer Thickness: ft

(35–37) Length of well open to: ft (38–40) Depth to top of: ft (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened:

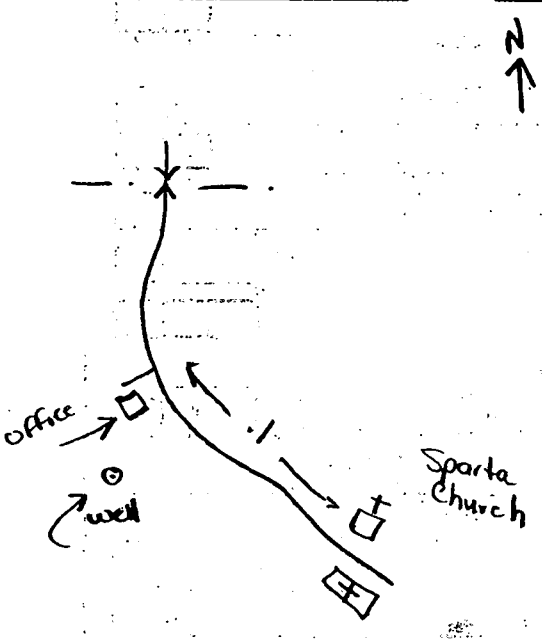
Depth to consolidated rock: ft (60–63) Source of data: (64)

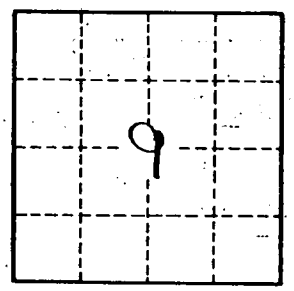
Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)





Well No.

(drawdown of 126' was @ 0pm discharge 550 gpm @ #50)

GPO 937-142