FORM 9-1642
(1-68)

Well No. 24 ~~P15d~~ E log # 111

WELL SCHEDULE

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

PUNCHED and VERIFIED
PUBLIC LA COMPUTATION BRANCH

MASTER CARD

Record by P.E. Grantham Source of data Drlr. & E log Date 8-6-69 Map

State Miss [28] County (or town) Simpson [64]

Latitude: 314135N (deg min sec) Longitude: 0894525 (degrees min sec) Sequential number: 4

Lat-long accuracy: 3 T. 10 S, R. 18 E Sec 36, SE ¼, SE ¼, NE ¼ B & M

Local well number: P015DA36100181W Other number:

Local use: 002 070 14 Owner or name: New Hope Wtr Assoc.

Owner or name: NEW HOPE WA Address:

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 — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Ø) 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.: Ø Field aquifer char. Z

Hyd. lab. data:

Qual. water data; type: MSBOH USGS 10/70 C

Freq. sampling: Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E Log 2-1102 DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 260 Meas. rept accuracy 3

Depth cased; (first perf.) ft 200 Casing type: ; Diam. 10x6 in 10

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Ø) open end, (P) perf., (S) 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: 1969 969 Pump intake setting: ft

Driller: Robert Ratliff Drlg Co. Grenada, Miss (name, 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 — S Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 20 V Trans. or meter no.

Descrip. MP 1½" cable hole at 2.0' ft above below LSD, Alt. MP

Alt. LSD: 535 Accuracy: (source) 530 11/25/81

Water Level ft above below MP; Ft above below LSD 110 Accuracy: A

Date meas: 070 Yield: logging/ft gpm 240 Method determined 4

Drawdown: 15 ft 15 Accuracy: 0 Pumping period 1½ hrs 2

QUALITY OF WATER DATA: Iron .46 ppm 3 Sulfate .0 ppm 0 Chloride 1.2 ppm 0 Hard. 4 ppm 0

Sp. Conduct 20 K x 10⁶ 0 Temp. °F 195 Date sampled 070

Taste, color, etc.

11/25/81
1.20
13.65
106.35
2.0
104.35
530
104
426

Well No. P15d

Well No. P15 d

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: 13N (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 TM (28–29) aquifer, formation, group CA (30–31)

Lithology: R (32–33) Origin: 3 (34) Aquifer Thickness: 140 ft

110 (35–37) Length of well open to: ft 60 (38–40) Depth to top of: ft 110 (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: 1020 screen

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

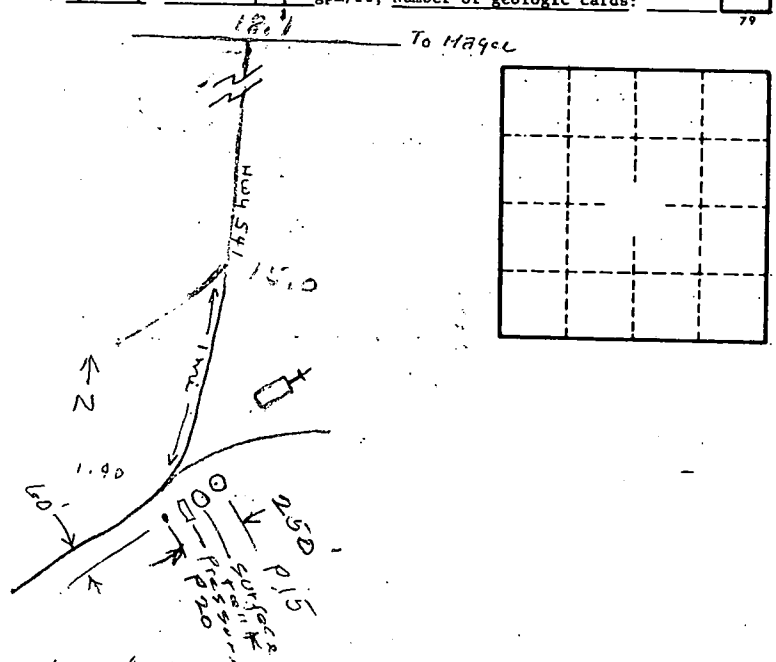
Depth to basement: ft (65–68) Source of data: (69)

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

Coefficient Trans: 190,000 gpd/ft 94 (73–75) Coefficient Storage: (76–78)

Coefficient Perm: 1700 gpd/ft^2; Spec cap: 14 gpm/ft; Number of geologic cards: (79)

WL 106' (1969)



Well No. P15 d

Water from this well is typical Citronelle type water, but the depth is probably too great for Citronelle. See E-log. Site is a hilltop, and upper sand (to 100') on e-log is apparently drained. WL in this well is below bot. of upper sand. Recharge may be going straight through Cit. and into Miocene, thus accounting for quality. Well shown as Citronelle in Copiah-Simpson report probably erroneously.

3/75

GPO 937-142