FORM 9-1642
(1-68)

Well No. D1

WELL SCHEDULE

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

PUNCHED

TRANSMITTED FOR ADP

MASTER CARD JDC McNamara (Layne) 9/9/72

Record by MSmith Source of data old schedule Date 7/70 Map

State 28 County (or town) DeSoto 17

Latitude: 34 58 03 N Longitude: 089 49 44 Sequential number: 1

Lat-long accuracy: 3 T. 1 S R 6 W Sec 27, ¼, SW ¼, SW ¼

Local well number: D 001 C C 27 01 S 06 W Other number: B & M Well #1

Local use: 0614 Owner or name: Town of Olive Branch

Owner or name: OLIVE BRANCH Address: Down Town Boy Scouts

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

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 A

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

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

Hyd. lab. data:

Qual. water data; type: MSBOH P

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

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 280 Meas. rept accuracy 3

Depth cased: (first perf.) ft 240 Casing type: ; Diam. in 10

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (T) 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: 946 Pump intake setting: ft

Driller: Layne C, 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 N Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. Trans. or meter nc.

Descrip. MP ft above below LSD, Alt. MP

Alt. LSD: 360 Accuracy: (source) 3

Water Level ft above below MP; Ft above below LSD 133 Accuracy: A

Date meas: 5-16-74 574 Yield: gpm 250 Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron ppm Sulfate ppm Chloride ppm Hard. ppm

Sp. Conduct K x 10^6 Temp. °F Date sampled

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: [20–21] 03 Section:

[22] D Drainage Basin: [23–25] 15E Subbasin: [26]

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

MAJOR AQUIFER: system, series [28–29] TE aquifer, formation, group [30–31] SS

Lithology: [32–33] US Origin: [34] 2 Aquifer Thickness: ft

[35–37] Length of well open to: ft [38–40] 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]

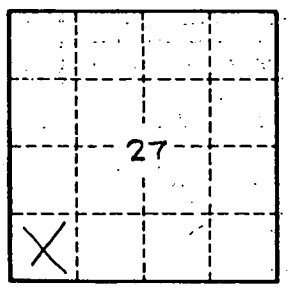
Coefficient Trans: gpd/ft [73–75] Coefficient Storage: [76–78]

Coefficient Perm: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: [79]

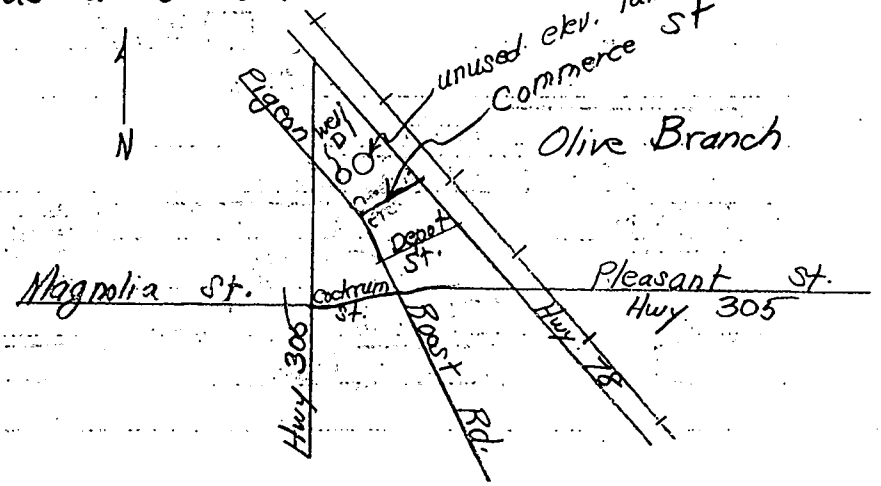
216-280 Sand

30-40' shale

Water level Jan. 1946 by driller 120' below lsd



Memphis District, USGS, uses this well as an observation well.



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GPO 937-142