

MAY 14 1975

WRD Exp. (GW)
April 1966

Well No. D20

WELL SCHEDULE

E-109 # 160 PUNCHED

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by C. Jessup Source of data MSG5 Date 9.1.67 Map County

State Miss 28 County (or town) Madison

Latitude: 32 46 50 N Longitude: 0 9 5 10 Sequential number: 1

Lat-long accuracy: 20 T. 11 S, R 4 W, Sec 24

Local well number: 21 25 30 34 Other number: B & M

Local use: 35 40 45 51 Owner or name: Camden Water Assoc.

Owner or name: T.H. # 1 Camden, Miss Address: 66

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist 67

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, 68

Use of well: (S) Stock, Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other 69

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (I) Obs, (J) Oil-gas, (K) Recharge, (L) Test, (M) Unused, (N) Withdraw, (O) Waste, (P) Destroyed. 69

DATA AVAILABLE: Well data 70 Freq. W/L meas.: 71 Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: 74

Freq. sampling: 75 Pumpage inventory: 76

Aperture cards: 77

Log data: E-log 254- to 95-ft Samples - Driller Log (19750205) DE 78 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: Complete ft 20 23 Meas. 24

Depth cased: 25 28 Casing type: Steel Diam: 4 in 29 30

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) other, (K) perf., (L) screen, (M) sd. pt., (N) shored, (O) open hole, (P) other 31

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) rotary, (J) trenching, (K) driven, (L) drive wash, (M) other 32

Date Drilled: 4-20-67 33 35 Pump intake setting: 36 38

Driller: Waterwells Inc. name 39 address 40

Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg, (K) turb, (L) other 39 Deep: 40

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 41 Trans. or meter no. 42

Descrip. MP 43 above 44 below LSD, Alt. MP 45

Alt. LSD: 320 42 45 Accuracy: (source) 46

Water Level: 47 above 48 below MP; 49 above 50 below LSD Accuracy: 51

Date meas: 52 53 54 Yield: 55 gpm 56 57 Method determined 58

Drawdown: 59 ft 60 61 Accuracy: 62 63 Pumping period 64 65 hrs 66 67

QUALITY OF WATER DATA: Iron 68 ppm 69 Sulfate 70 ppm 71 Chloride 72 ppm 73 Hard. 74 ppm 75

Sp. Conduct 76 K x 10⁶ 77 Temp. 78 °F 79 Date sampled 80 81

Taste, color, etc. 82

08060202

Well No

Well No. D20

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: Section:

D Drainage Basin: Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (K) (L) offshore, pediment, hillside, terrace, undulating, valley flat 27

MAJOR AQUIFER: system, series 28 29 aquifer, formation, group 30 31

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft 35 37 Depth to top of: ft 34 41 43

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

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft 51 53 Depth to top of: ft 50 54 56 57 59

Intervals Screened:

Depth to consolidated rock: ft 40 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

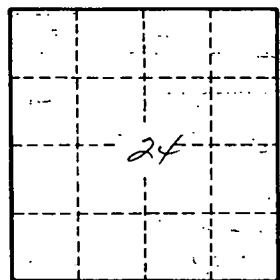
Approx. 950' N - 1350' W of 5th cor. of sec.

All materials recovered after completing test hole, cemented at top.

4" diam - T.S. 695 ft. Steel casing 252 ft.

12' screens -

3/4 HP pump - yield 20 gpm, 220 feet



1/4" Backwash Valve,

Water test taken 530-542, 420-432, + 268-280

Water test # 1 (530-542)	Water test # 2 (420-432)
ph 6.4	ph 6.5
Fe 30 ppm	Fe 3.0
CaCO ₃ 49.0 ppm	CaCO ₃ 54.0

Water test # 3 (268-280')

ph 7.8

Fe 0.1

CaCO₃ 110.0