

WRD Exp. (GW)
April 1966

Well No. N3

WELL SCHEDULE

Well No. 2

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED AND VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by TNSHOWS Source of data Layne Records Date 5-22-67 Map _____

State MISSISSIPPI County 28 (or town) Lauderdale 38

Latitude: 32 21 47 N Longitude: 08 84 12 9 Sequential number: 1

Lat-long accuracy: 3 T. 6 S, R. 16 W, Sec. 17, SW 1/4, NW 1/4, B & M

Local well number: N 003 CB 17 06 N 1 6 E Other number: _____

Local use: 069 Owner or name: CITY OF MERIDIAN

Owner or name: MERIDIAN Address: MERIDIAN, MISS.

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

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) Ind, (K) P S, (L) Rec, (M) Stock, (N) Instit, (O) Unused, (P) Repressure, (Q) Recharge, (R) Desal-P S, (S) Desal-other, (T) Other P

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: 0 Field aquifer char. 0

Hyd. lab. data: _____

Qual. water data; type: USGS 12.19.55

Freq. sampling: 0 Pumpage inventory: yes 0 no, period: _____

Aperture cards: _____

Log data: Drilling log

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 760 ft Meas. 760 accuracy 60

Depth cased; (first perf.): 654 ft Casing type: BT Diam. 12.515 in 1.8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) open hole, (K) perf., (L) screen, (M) sd. pt., (N) shored, (O) open hole, (P) other 0

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

Date Drilled: 1955 9 5 4 Pump intake setting: _____ ft

Driller: Layne Central, Jackson, Mississippi

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) (cent.), (G) (multiple, turb.), (H) none, (I) piston, (J) rot, (K) submerg, (L) turb, (M) other M Deep D Shallow 0

Power (type): (A) diesel, (B) elec, (C) nat gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 40 Trans. or meter no. V

Descrip. MP _____ ft above _____ ft below LSD. Alt. MP _____

Alt. LSD: 320 Accuracy: 20

Water Level: 56 ft above MP; 56 ft below LSD Accuracy: feet

Date meas: 2-14-55 Yield: 1007 gpm 85.5 Method determined 0

Drawdown: 21 ft Accuracy: feet Pumping period: 6 hrs 10*

QUALITY OF WATER DATA: Iron 2.0 Sulfate 6.40 Chloride 9 Hard. 16.6

Sp. Conduct 77 K x 10⁶ Temp. 77 °F Date sampled 055

Taste, color, etc. Airline - 109 ft.

Water level data:
WL: 50.40 (1979)
11/20/80
WL=61.13

Well No. N3
855
c10#
30dd

Well No. N 3

Latitude-longitude d m s N S d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD ¹⁹ Physiographic Province: Coastal plain ^{20 21} Section: East Gulf

Coastal plain ²² D ²³ Drainage Basin: 13P ²⁴ Subbasin: 20 ²⁵

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

MAJOR AQUIFER: Tertiary ²⁸ Eocene ²⁹ T.E ³⁰ lower Wilcox ³¹ L.W

Lithology: SAND ³² U.S ³³ Origin: DELTAIC ³⁴ 2 ³⁵ Aquifer Thickness: _____ ft

Length of well open to: _____ ft ³⁶ 96 ³⁷ Depth to top of: _____ ft ³⁸ 41 ³⁹ 43 ⁴⁰

MINOR AQUIFER: _____ system _____ series _____ aquifer, formation, group _____ ⁴¹ ⁴² ⁴³ ⁴⁴ ⁴⁵ ⁴⁶ ⁴⁷

Lithology: _____ Origin: _____ ⁴⁸ ⁴⁹ ⁵⁰ Aquifer Thickness: _____ ft

Length of well open to: _____ ft ⁵¹ _____ ⁵² Depth to top of: _____ ft ⁵³ _____ ⁵⁴ ⁵⁵ ⁵⁶ ⁵⁷ ⁵⁸ ⁵⁹

Intervals Screened: 654 - 750 #8 Shutter Layer

Depth to consolidated rock: _____ ft ⁶⁰ _____ ⁶¹ Source of data: _____ ⁶² ⁶³

Depth to basement: _____ ft ⁶⁴ _____ ⁶⁵ Source of data: _____ ⁶⁶ ⁶⁷

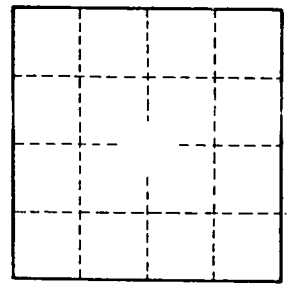
Surficial material: _____ ⁷⁰ ⁷¹ Infiltration characteristics: _____ ⁷² ⁷³

Coefficient Trans: _____ gpd/ft ⁷⁴ ⁷⁵ Coefficient Storage: _____ ⁷⁶ ⁷⁷ ⁷⁸

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

29 gpm/ft
reworked 1980
855 gpm @ 14'

See No. 1 well for ...



Well No.

339 42'30" R. 16 E. 340 3248 1 NW (MERIDIAN NORTH) 45 LAUDERDALE 16 MI. MARION 4 MI. 343 40' 20 59 KEWANEE

