

76

WRD Ex. (GW)
April 1966

Well No.

E 20

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by G.F. Brown Source of data C.G. Hollowell Date 5-10-39 Map Tralake Quad

State Mississippi County Washington (or town) 76

Latitude: 33 deg 24 min 10 sec N Longitude: 09 deg 05 min 41 sec W Sequential number: 1

Lat-long accuracy: 2 T. 18 S, R. 7 Sec 14, SW 1/4, SW 1/4

Local well number: 5020CC1418N07W Other number: 28 B & M MSGS Bull. 65

Local use: 064 Owner or name: City of Leland

Owner or name: LELAND Address: Leland, Miss

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

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

Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other (U)

Use of Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdrawal, Waste, Destroyed well: (W)

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

Hyd. lab. data:

Qual. water data; type: C

Freq. sampling: φ Pumpage inventory: no. period:

Aperture cards:

Log data: Driller's log D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 525 ft Meas. rep. accuracy 3

Depth cased; (first perf.) 445 ft Casing type: 445; Diam. 10 in 10

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, perf., screen, sd. pt., shored, open hole, other (S)

Method Drilled: air bored, cable, dug, hyd rot., jetted, air percussion, rotary, reverse trenching, driven, drive wash, other (H)

Date Drilled: 1925 925 Pump intake setting: 70 ft 70

Driller: Layne Central

Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, turb, other T Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, gas, wind; H.P. 40 Trans. or meter no. V

Descrip. MP base plate pump, which is 0.5 ft above LSD Alt. MP above LSD

Alt. LSD: 127 Accuracy: (source) 3

Water Level: 20 ft above below MP, Ft below LSD 20 Accuracy: G

Date meas: 638 Yield: 848 gpm 848 Method Rpt determined 61

Drawdown: 60 ft Accuracy: 6 Pumping period 6 hrs 10

QUALITY OF WATER DATA: Iron ppm 69 Sulfate ppm 70 Chloride ppm 71 Hard. ppm 72

Sp. Conduct K x 10⁶ 73 Temp. °F 74 Date sampled 1925? 25

Taste, color, etc. 77 79

31

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

Well No.

E 20

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

NAME AS ON MASTER CARD Physiographic Province: Coastal Plain 03 Section: Miss. River

Drainage Basin: E 15J Subbasin: 26

Character of site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) offshore, pediment, hillside, terrace, undulating, valley flat (V) V

Geologic system: Tertiary, Eocene TIE aquifer, formation, group: Cockfield C

Lithology: unconsolidated sand US Origin: Deltaic 3 Aquifer Thickness: hole mostly in sand whole ft depth

Length of well open to: 80 ft Depth to top of: 407 ft

Geologic system: series 44 45 aquifer, formation, group: 46 47

Lithology: 48 49 Origin: 50 Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

Drill pipe: 445 - 525 ft 80' wire screen

Depth to consolidated rock: ft Source of data: 64

Depth to cement: ft Source of data: 69

Infiltration characteristics: 72

Coefficient of storage: 76 78

Specific capacity: gpd/ft²; Spec cap: gpm/ft; Number of geologic cards: 79

Information reported: Lisbon

City well #1

Static head in 1925 -13 ft

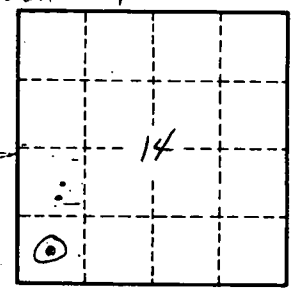
1/2 hp turbine,

2 ft dd while pumping 898 gpm after 10 hrs pumping in 1925

connected directly into mains

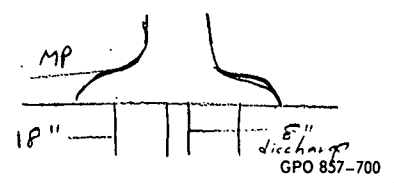
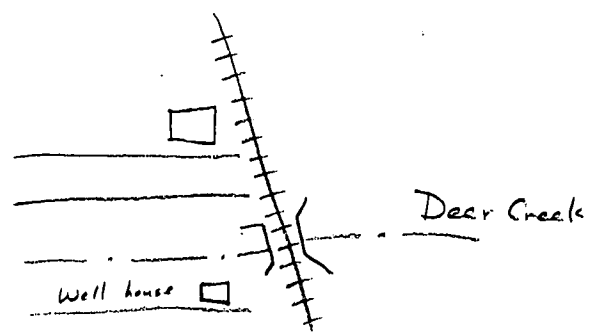
well pumped constantly, pumping between 600-700 gpm

constant flat rates, no meters



2-17-69

WL 43.15 GL



Well No.

E20

WELL NO. E-20

LOCATION CITY OF LELAND MP = .50'

ALT. 127' N. SIDE OF DEER CR. @ LELAND LIGHT & WATER

DATE	HOLD	CUT	MP	LSD	COND
6-38				20.0	
2-17-69				43.15	= 237
4-16-91	40.99	2.18	38.81 .50	38.31	
6-4-91	49.99	4.90	45.09 .50	44.59	
10-21-91	50.00	4.94	45.06 .50	44.56	
3-12-92	55.00	7.75	47.25 .50	46.75	

235 =

[Handwritten scribbles]

updated
5-12-92
JRG