

WRD Exp. (GW)
April 1966

#1

Well No. 24

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

(Daily Spec.)
Source of data Mr. Tommy Sanders

Record by J. A. Callahan Date 11-15-66 Map Decatur advance sheet SE

State Miss County Newton (or town) 51

Latitude: 32° 20' 23" N Longitude: 089° 04' 53" W Sequential number: 1

Lat-long accuracy: 30' T. 6 S. R. 12 E. Sec. 20 SE 1/4 SE 1/4

Local well number: L004PD2006N12E Other number: L2 B & M

Local use: 064 Owner or name: Coastal Plain Expt Sta.

Owner or name: MISS. EXP. STA. Address: Newton Miss

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist 5

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: 5

Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other 4

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

DATA AVAILABLE: Well data 8 Freq. W/L meas.: 11 Field aquifer char. 72

Hyd. lab. data: 73

Qual. water data; type: USGS Complete 11-15-66 74 C

Freq. sampling: 0 Pumpage inventory: yes 76 no, period: 77

Aperture cards: 78 79

Log data: 78 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 440 ft Meas. 440 accuracy 6

Depth cased: (first perf.) 25 ft Casing type: Steel Diam. 6 in 6

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, other 5

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

Date drilled: Apr. 1947 Pump intake setting: 947 ft 36 38

Driller: Layne Central Co., Jackson Miss

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 T Deep D Shallow 40

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. T Trans. or meter no. 7

Descrip. MP breather hole on pump line see note on back above 41 ft below LSD. Alt. MP 7

Alt. LSD: 360 Accuracy: 360 (source) Phm Tapo. C1 10 47 4

Water Level: -30 ft above/below MP; Ft above/below LSD 28 Accuracy: Rept. 52 6

Date meas: 4/1947 Yield: 447 gpm 160 Method determined 61

Drawdown: 62 ft Accuracy: 63 Pumping period 64 hrs 65 66 68

QUALITY OF WATER DATA: Iron 1.6 ppm Sulfate 14 ppm Chloride 3.6 ppm Hard. 22 ppm 72 7

Sp. Conduct 215 K x 10⁶ Temp. °F 74 76 Date sampled N 66 77 79

Taste, color, etc. H₂S odor & 2" discharge

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

7/31
33' level
1968

Well No. 24

Well No. L4

Latitude-longitude 32 W 23 S 089 04 53
d m s d m s

HYDROGEOLOGIC CARD

Physiographic Province: 03 Section: _____

Drainage Basin: D **Subbasin:** 13A

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

MAJOR AQUIFER: Tertiary system, Eocene series, TE aquifer, formation, group, MW

Lithology: U.S Origin: 2 Aquifer Thickness: _____ ft
 Length of well open to: _____ ft Depth to top of: _____ ft

MINOR AQUIFER: _____ system, _____ series, _____ aquifer, formation, group, _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft
 Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened: _____

Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft **Coefficient Storage:** _____

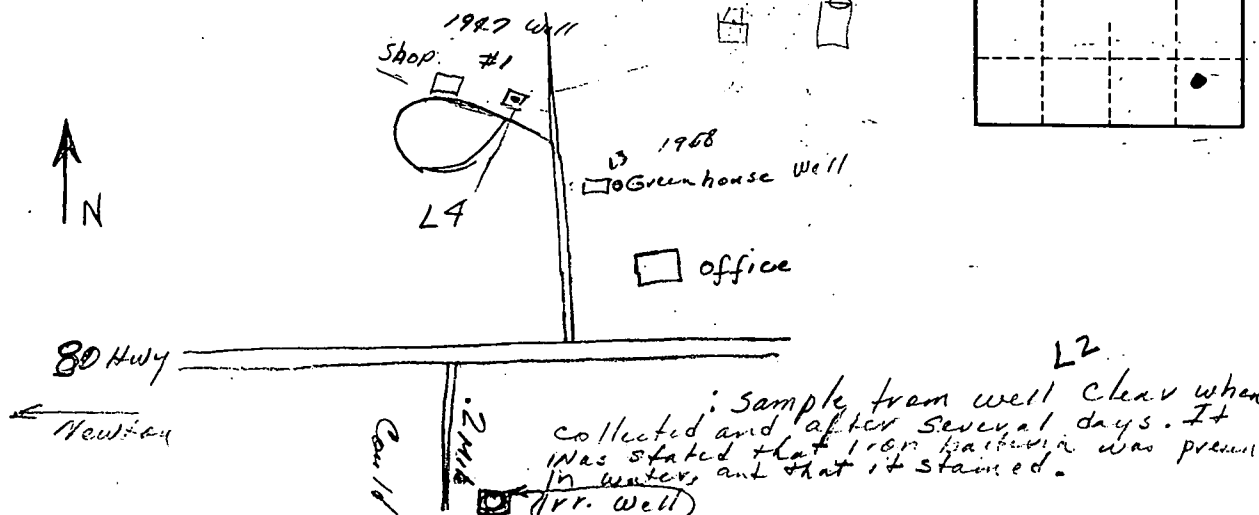
Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

7 sections - upper 20 feet

South depth of 1'

*MP: This point 2' above Lsd
 Breather hole in pump base.*

Could not get below 9' in breather hole on north side



Sample from well clear when collected and after several days. It was stated that iron bacteria was present in waters and that it stained.

Note: *@ two inch discharge in ditch about 150' from storage tanks water has strong H₂S odor and discharges in black slugs other times water is colored and turbid.*

Could Not Measure

Well No. L4