

WRD Exp. (GW)
April 1966

Well No. N 21

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by E. J. Harvey Source of data _____ Date 12-7-55 Map Swan Lake

State Mississippi County (or town) Washington

Latitude: 33° 09' 40" N Longitude: 091° 00' 10" W Sequential number: 1

Lat-long accuracy: 2 T. 15 S. R. 8 Sec 11, NW 1/4, NW 1/4, SW 1/4

Local well number: N 0 2 1 B C 1 1 1 5 N O 8 W Other number: _____ B & M

Local use: _____ Owner or name: Leo Williams

Owner or name: LEO WILLIAMS Address: Rt 1 Holladale Box 380

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Recharge, Desal-P S, Desal-other, Other I

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

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

Hyd. lab. data: _____

Qual. water data; type: _____

Freq. sampling: _____ Pumpage inventory: yes no; period: _____

Aperture cards: _____ yes no

Log data: Driller's log D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 106.4 ft Meas. 106 feet accuracy 6

Depth cased: (first perf.) 66 ft Casing type: 66; Diam. 18, 16 in

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

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

Date Drilled: 5-6-55 Pump intake setting: _____ ft

Driller: Irr. Serv Co name address Leland 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 Shallow

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

Descrip. MP Hole in pump base 1.0 ft above below LSD. Alt. MP _____

Alt. LSD: 111 Accuracy: (source) topo

Water Level: 19.06 ft above below MP; Ft below LSD 18 Accuracy: Taped

Date meas: 12-7-55 Yield: D 5 5 gpm Method determined _____

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs

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

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled _____

Taste, color, etc. _____

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

Well No.

Well No. N21

Latitude-longitude N
S
d m s

HYDROGEOLOGIC CARD

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

alluvial plain E Drainage Basin: 15I Subbasin: 26

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

MAJOR AQUIFER: Quaternary, Pleistocene Q.G Miss. River alluvium M.A
 system series aquifer, formation, group

Lithology: sand-gravel alluvium 9A Origin: Fluvial 2 Aquifer Thickness: ≥ 98 ft

Length of well open to: 40 ft 40 Depth to top of: 20 ft 20

MINOR AQUIFER: _____ _____ aquifer, formation, group _____ _____
 system series _____ _____ Aquifer Thickness: _____ ft

Lithology: _____ _____ Origin: _____ _____ Thickness: _____ ft

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

Intervals Screened: 66-106 ft 40 ft Lower screen

Depth to consolidated rock: _____ ft _____ Source of data: _____ 64 _____
 Depth to basement: _____ ft _____ Source of data: _____ 69 _____
 Surficial material: _____ _____ Infiltration characteristics: _____ 72 _____
 Coefficient Trans: _____ gpd/ft _____ Coefficient Storage: _____ 76 _____ 78 _____
 Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ 79 _____

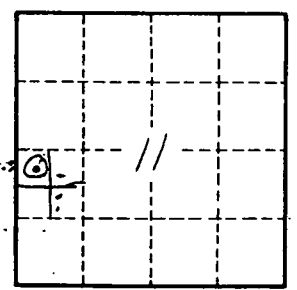
5 loads of gravel
 3 mixed sand & small gravel
 2 pea gravel

Williams & Boykin - Hollandale

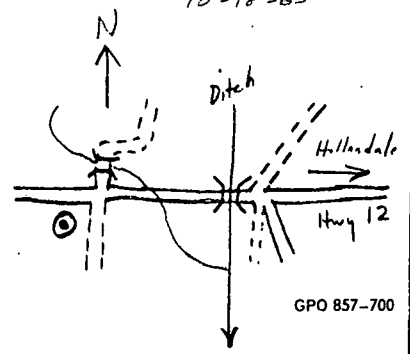
- 1-20' Buckshot
- 20-30' Quicksand
- 30-40' Fine sand
- 40-70' Coarse sand
- 70-80' Small rocks and sand
- 80-100' Large rocks and sand
- 100-118' Large & small rocks and sand

Buckshot @ 118'
 Set screen 106.4'

Pearless turbine, 10" discharge
 Diesel or butane



WL 32.00
 - 13.00
 19.00
 - 1.00 MP
 18.00 GL
 10-18-65



GPO 857-700

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