5

WRD Exp. (GW)
April 1966

Well No. H9

WELL SCHEDULE

E. Log # 85

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by P.E. Grantham Source of data Drlr. + E Log Date 5-2-68 Map New Augusta Quad

State Mississippi [28] County (or town) Perry [56]

Latitude: 31 11 50 N [5–11] Longitude: 089 01 45 [12–18] Sequential number: 1 [19]

Lat-long accuracy: Z [20] T. 3 N R. 10 E Sec. 30, SW ¼, NE ¼, NE ¼ B & M

Local well number: H009AA3003NW10W [21–34] Other number:

Local use: 184085 [35–51] Owner or name: Town of New Augusta

Owner or name: NEW AUGUSTA [52–66] Address:

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [67] M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Z) Desal-other, Other [68] P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [69] W

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

Hyd. lab. data: [73]

Qual. water data; type: MSBOH Partial 4/69 USGS 6/72 [74] C

Freq. sampling: [75] Pumpage inventory: yes / no, period: [76]

Aperture cards: yes [77]

Log data: E Log 4 to 1130 [78–79] E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD [1–19] Depth well: ft 1090 [20–23] Meas. rept accuracy [24] 4

Depth cased: (first perf.) ft 1050 [25–28] Casing type: Diam. 8X6 in [29–30] 8

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (Z) other [31] S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other [32] H

Date Drilled: 9 6 8 [33–35] Pump intake setting: ft [36–38]

Driller: Griner Drlg. Service (name), Columbia Miss (address)

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other [39] T Deep / Shallow [40]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 10 [41] U Trans. or meter no.

Descrip. MP ½" hole in Base at 1.5' ft above / below LSD, Alt. MP

Alt. LSD: 190 [42–45] 490 Accuracy: (source) 200 IR C1 [47] 3

Water Level ft above / below MP; Ft. above / below LSD [48–51] 69 Accuracy: [52] A

Date meas: [53–55] 672 Yield: [56–60] 200 gpm Method determined [61]

Drawdown: @ 180 gpm ft [62–64] 28 Accuracy: [65] Pumping period hrs [66–68]

QUALITY OF WATER DATA: Iron 1.0 ppm [69] F Sulfate 10 ppm [70] 0 Chloride 137 ppm [71] 2 Hard. Trace ppm [72]

Sp. Conduct 870 K x 10⁶ [73] 4 Temp. °F [74–76] 255 Date sampled [77–79] 672

Taste, color, etc. pH = 8.4

12/2 = 181
88
516
824
1.8
80.6

200
81
119

Well No. H-9

Well No. H 9

Latitude-longitude N S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

D (22) Drainage Basin: 139 (23–25) Subbasin: (26)

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

MAJOR AQUIFER: system, series TM (28–29) MZ (30–31)

Lithology: US (32–33) Origin: 3 (34) Aquifer Thickness: 110 ft

110 (35–37) Length of well open to: ft 40 (38–40) Depth to top of: 1010 ft A01 (41–43)

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

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened:

Depth to consolidated rock: ft (60–63) Source of data: (64)

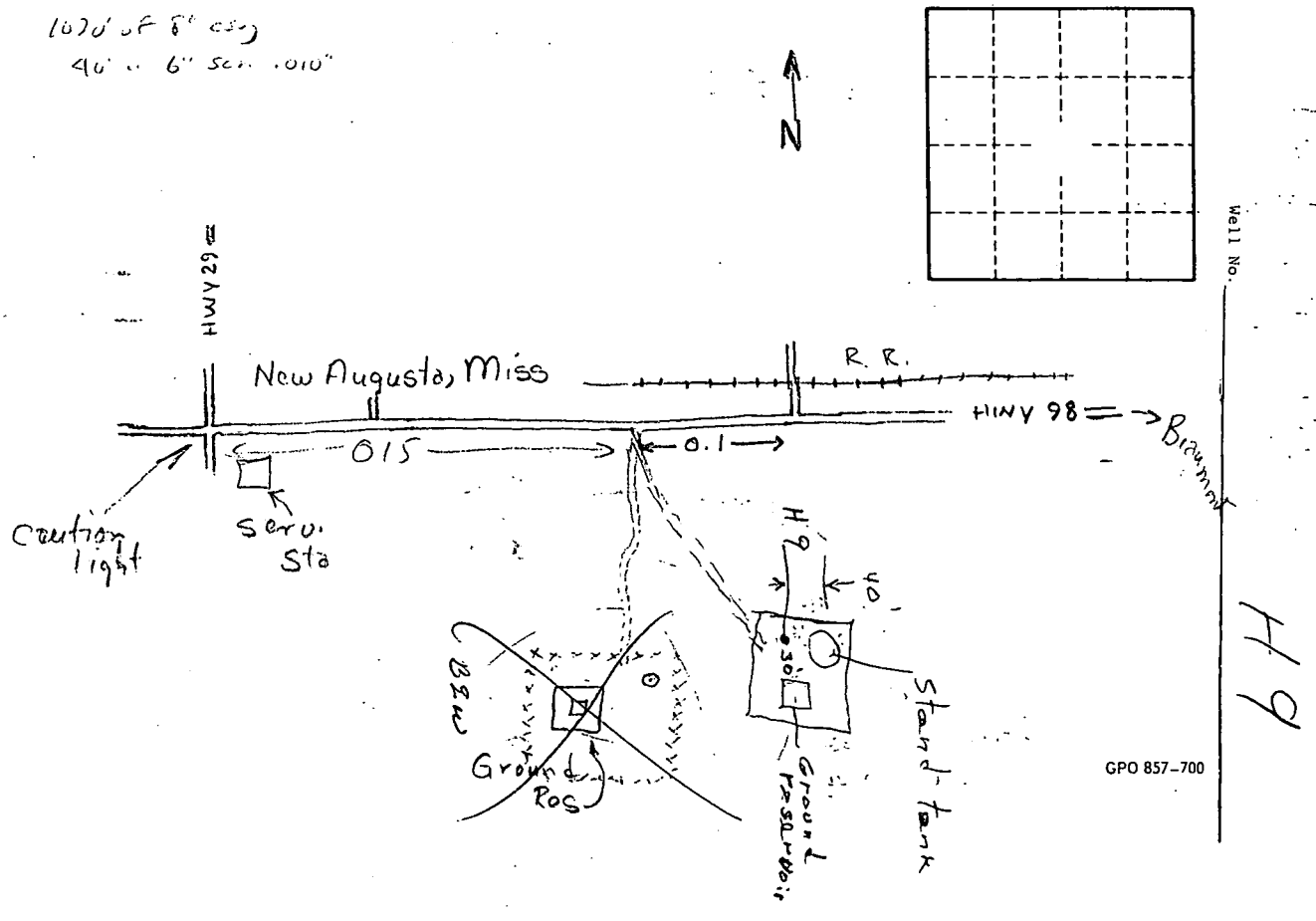
Depth to basement: ft (65–68) Source of data: (69)

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)

1020' of 8" casing
40' of 6" scr. .010"



GPO 857-700