plotted

DOH #0070018-01
GPSd 12/4/96 DH/PP

NO LOCK

WRD Exp. (GW)
April 1966

Well No. N28 GW12489

WELL SCHEDULE

E-log 22

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

PUNCHED and VERIFIED ROLLA COMPUTATION BRANCH

Vergil

1988
W.L = 153.9

MASTER CARD

Record by P.E. Grantham Source of data Drlr. + E log Date 1-22-64 Map Bellefontaine 132 B Walthall Quad

State Mississippi 9 [28] County (or town) Calhoun 4 [07]

Latitude: [33 deg 41 min 17 sec N] S Longitude: [089 deg 22 min 19 sec W] Sequential number: [1]

Lat-long accuracy: [3] T. 22 N S, R 9 W, Sec 29 SW¼ NW¼, SE¼, SE¼ B & M

Local well number: [N028DD2922N09E] Other number:

Local use: [064022] Owner or name: Slate Springs Water Assoc. Inc

Owner or name: [SLATE SPRINGS] Address: Slate Springs Miss

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

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, (Y) Desal-other, (Z) Other [P]

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

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

Hyd. lab. data: [ ]

Qual. water data; type: 5 BOH 3-64 (P) USGS 12-1-66 [C]

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

Aperture cards: yes [ ]

Log data: Test hole drilled to 2295 - Electric Log, Drlr on back [DE]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 2260 ft 2290 Meas. rept accuracy [3]

Depth cased; (first perf.) ft 2160 Casing type: Steel ; Diam. 6x4 in [6]

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, (S) sd. pt., (T) shored, (W) open hole, (Z) other 30"x4" [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 [H]

Date Drilled: 1964 [9 6 4] Pump intake setting: ft [ ]

Driller: Layne Central name, Memphis, Tenn. address [S]

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 [T] Deep Shallow [ ]

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind. [V] Trans. or meter no.

Descrip. MP 340 ~~335~~ ~~320~~ (10/89) ft above below LSD, Alt. MP

Alt. LSD: 340 [340] Accuracy: (source) 139 [4]

Water Level -110 ft above below MP; Ft above below LSD [110] Accuracy: 70 - [D]

Date meas: 3/81 [64] Yield: gpm [80] Method determined [ ]

Drawdown: ft [ ] Accuracy: [ ] Pumping period hrs [ ]

QUALITY OF WATER DATA: Iron 0.60 ppm [ ] Sulfate 0.2 ppm [ ] Chloride 317 ppm [ ] Hard. 26 ppm [ ]

Sp. Conduct 1370 K x 10^6 [5] Temp. °F [86] Date sampled [6 6]

Taste, color, etc.

7/81
WL: 120.34

US 737

Well No. N28

Well No. N28

Latitude-longitude ___ d ___ m ___ s ___ N S ___ d ___ m ___ s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19)	Physiographic Province: 03 (20–21)	Section:
D (22)	Drainage Basin: 15G (23–25)	Subbasin: (26)

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

MAJOR AQUIFER: ___ system, ___ series K3 (28–29) ___ aquifer, formation, group GØ (30–31)

Lithology: S (32–33) Origin: 2 (34) Aquifer Thickness: ___ ft

104 (35–37) Length of well open to: ___ ft 30 (38–40) Depth to top of: 2107 ft B11 (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: 2160-2190' 30' x 4"

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

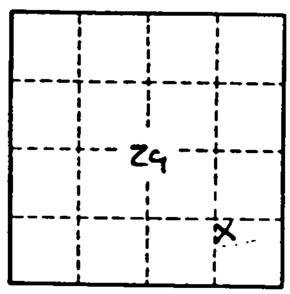
Depth to basement: ___ ft (65–68) Source of data: ___ (69)

Surficial material: ___ (70–71) Infiltration characteristics: ___ (72)

Coefficient Trans: ___ gpd/ft (73–75) Coefficient Storage: ___ (76–78)

Coefficient Perm: ___ gpd/ft^2; Spec cap: ___ gpm/ft; Number of geologic cards: ___ (79)

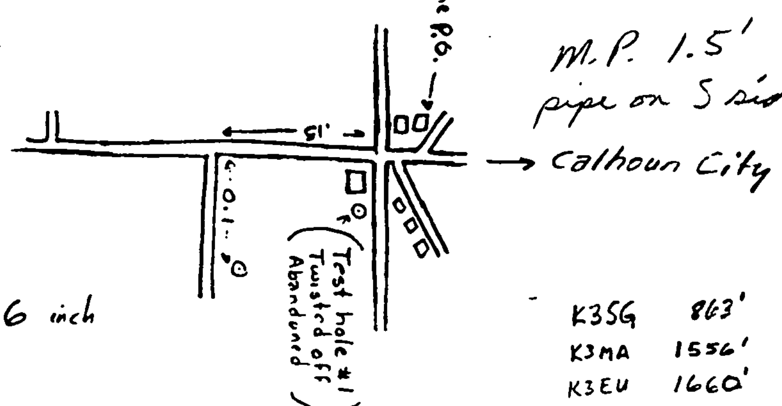
11/6/90
DH/JE
170
-24.25
145.75
1.5
144.25



0-24 Sdy Clay
24-55 Clay Stks Sd
55-67 Clay
67-79 Sdy clay
79-90 Clay
90-154 Clay stks sd
154-155 Rock
155-170 Clay Stks sd + Shells
170-203 Fine sd stks clay + shell
203-213 Fine sd stks Clay
213-226 Sd
Wil 226-240 Sd Stks Clay
P.C 240-267 Clay
267-268 Rock
268-310 Clay
310-311 Rock
311-412 Clay
412-413 Rock
413-426 Clay
426-464 Hrd sh
464-646 Sh + Shells
646-647 Rock
647-714 Sh + Rock lens
PC 714-715 Rock
Clay 715-842 Hrd Sh
842-1190 Chalk
1190-1353 Hrd chalk
1353-1551 Real Hrd chalk
1551-1614 Brown Sh
1614-1860 Green Sh
1860-1884 Sh stks sdy sh
1884-1900 Sh stks Rock lens
1900-1935 Sh
1935-1973 Sh stks Rock lens
1973-2220 Hrd sdy clay
2220-2250 Sd + Gravel
2250-2295' Hrd sdy Clay

M.P. 1.5'
pipe on S side

WL=110' (1964)



200 ft of 6 inch

K3SG	863'
K3MA	1556'
K3EU	1660'
K3GO	1972'

5,000 gal ground tank
population 300 (70 meters)

GPO 857-700

CALHOUN MISSISSIPPI BOARD OF WATER COMMISSIONERS

N28

4-14-64 BW 12 48

WATER WELL DRILLERS LOG

CODED

Date: 4-14-, 1964, Driller: Layne-Central Co. County Calhoun
(Name)

E log 21 USGS

(1) Owner of Land: Slate Spgs. Water Works
(Name)

Slate Springs, Mississippi
(Address)

(2) Location: SE ¼, SE ¼, Sec. 29 T 22 N R 9 E,

____ miles ____ (distance) ____ (direction) ____ (Nearest Town),

(3) Topography: El-340 L S D
(Hilly) (Flat) (Level)

(4) Purpose of Well: Municipal
(Domestic Irrigation Municipal, Industrial, Other)

Information upon completion of well:

(1) Diameter 6 inches.

(2) Total Depth 2289' 7" feet.

(3) Water Level 110 feet below top of ground.

(4) Cased to 2011' 8" / 33', Size 8" / 4",

(5) Screen: Size 4", Length 30'.

(6) Were any formations sealed against pollution?

x yes, ____ no.

If YES depth of formation 2011' 8",

Why required

Drillers Remarks:

(USGS E-log #22)

Flo 340 ft

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thickness Feet	Depth Feet
sandy clay	24	24
gray clay stks sand	33	55
clay	12	67
sandy clay	12	79
clay	11	90
clay stks sand	64	154
rock	1	155
clay stks sand-shells	15	170
fine sand stks clay	33	203
fine sand stks clay	10	213
sand	13	226
sand stks clay	14	240
clay	27	267
rock	1	268
clay	42	310
rock	1	311
clay	101	412
rock	1	413
clay	13	426
hard shale	43	469
hard shale-rock lens	77	646
rock	1	647
shale-rocklens	67	714
rock	1	715
shale	56	771
hard shale	71	842
chalk	348	1190
hard chalk	163	1353
real hard chalk	188	1551
continued on back		

(Use Back Side)

Well No.

RECEIVED APR 17 1964 MISS. BOARD OF WATER COMM.

Mail this copy to Board of Water Commissioners ~~429~~ Miss. St. Jackson, Miss

brown shale	63	1614
green shale	146	1860
shale stks sandy shale	24	1884
shale - rock lens	16	1900
shale	35	1935
shale-rock lens	38	1973
hard sandy clay	58	2131
hard sandy clay	89	2220
sand & gravel	30	2250
hard sandy clay	45	2295