

WELL SCHEDULE

Log # 31

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED

MASTER CARD

Record by P.E. Grantham Source of data Driv. & E Log Date 6-26-69 Map Paden Quad

State Miss County Prentiss (or town) 59

Latitude: 34445.5 N Longitude: 088214.0 Sequential number: 1

Lat-long accuracy: 2 T. 4 S. 9 W. Sec 9 SE, NE t. NE t. SW t. Well # 1

Local well number: D018C60904509E Other number: _____

Local use: 064031 Owner of name: Holcut-Cairo Water Assoc.

Owner or name: HOLCUT-CAIRO-WA Address: Cairo Miss

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Mad, Ind, P S, Rec, (B) Stock, Inait, Unused, Reprasure, Recharge, Desal-P S, Desal-other, Other D

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

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

Hyd. lab. data: _____

Qual. water data: type: MSBOW 10/70 USGS

Freq. sampling: Pumpage inventory: period: _____

Aperture cards: _____

Log data: E Log 10-333

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 305 ft Meas. 3

Depth cased: 255 ft Casing type: Steel ; Diam. 6x8 in

Finish: porous concrete, gravel w. (perfor.), (screen), gallery, end, (H) horiz. open end, (P) perf., (S) screen, (T) ad. pt., (W) shored, (X) open hole, (B) other S

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

Date Drilled: 6-69 Pump intake setting: 969 ft

Driller: Layne Central Co Memphis Tenn

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

Power (type): diesel, elec, gas, gasoline, hand, LP, gas, wind; H.P. 25 Trans. or meter no. V

Descr. MP _____ ft above/below LSD, Alt. MP _____

Alt. LSD: 590 GC Accuracy: 3

Water Level: 146 ft above/below MP; LSD 146 Accuracy: D

Date meas: 969 Yield: 250 gpm Method determined _____

Drawdown: _____ ft Accuracy: _____ Pumping period: _____ hrs

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

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled 6/13/72

Taste, color, etc. pH 6.6 Fe 6.0

OV 11 4 1972 ✓

11 1 1974

1/30/82

1987

1992

unable to get tape down

19/10/72

ML 366

580

146

44

Well No. D18

Well No. D18

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

1 SAME AS ON MASTER CARD 19 Physiographic Province: 03 20 21 Section: _____

22 Drainage Basin: D 23 118:R 24 K3 25 Subbasin: _____ 26

27 Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp. (E) offshore, pediment, hillside, terrace, undulating, valley flat. (F) flat, (G) hilltop, (H) sink, (I) swamp. (J) _____ (K) _____ (L) _____ (M) _____ (N) _____ (O) _____ (P) _____ (Q) _____ (R) _____ (S) _____ (T) _____ (U) _____ (V) _____

28 MAJOR AQUIFER: _____ 29 system: _____ 30 series: K3 31 aquifer, formation, group: Mostly EZ + G:O 32

33 Lithology: US 34 Origin: 2 35 Aquifer Thickness: _____ ft

36 Length of well open to: 50 ft 37 Depth to top of: 280 ft

38 MINOR AQUIFER: _____ 39 system: _____ 40 series: _____ 41 aquifer, formation, group: _____ 42

43 Lithology: _____ 44 Origin: _____ 45 Aquifer Thickness: _____ ft

46 Length of well open to: _____ ft 47 Depth to top of: _____ ft

48 Intervals Screened: 255-305 49

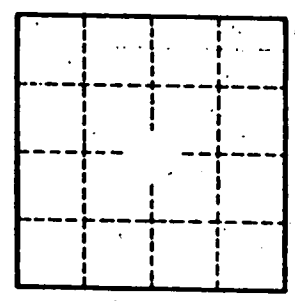
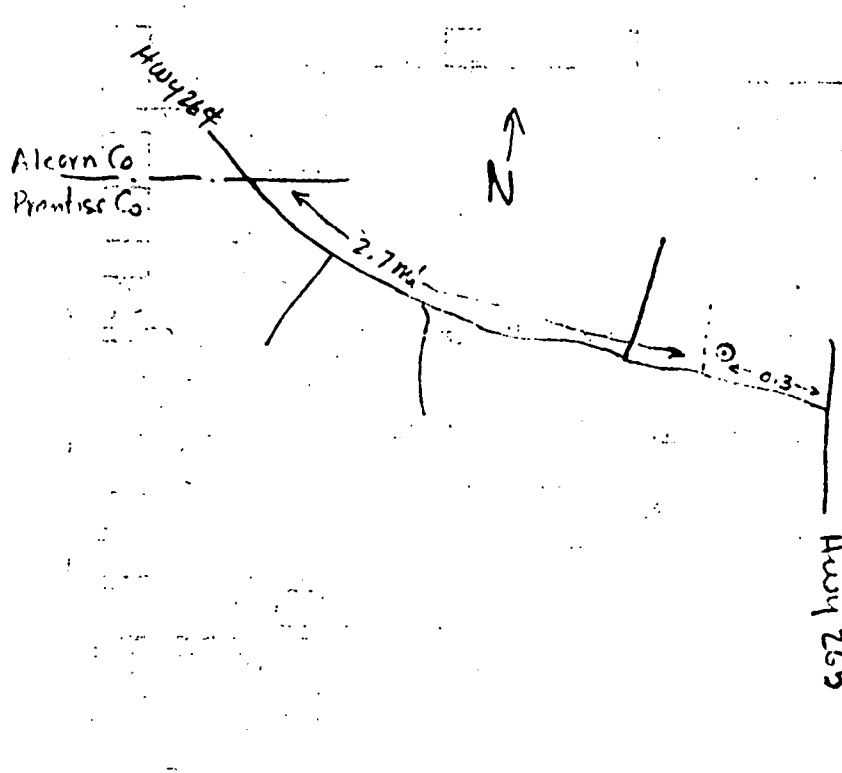
50 Depth to consolidated rock: _____ ft 51 Source of data: _____ 52

53 Depth to basement: _____ ft 54 Source of data: _____ 55

56 Surficial material: _____ 57 Infiltration characteristics: _____ 58

59 Coefficient Trans: _____ gpd/ft 60 Coefficient Storage: _____ 61

62 Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ 63

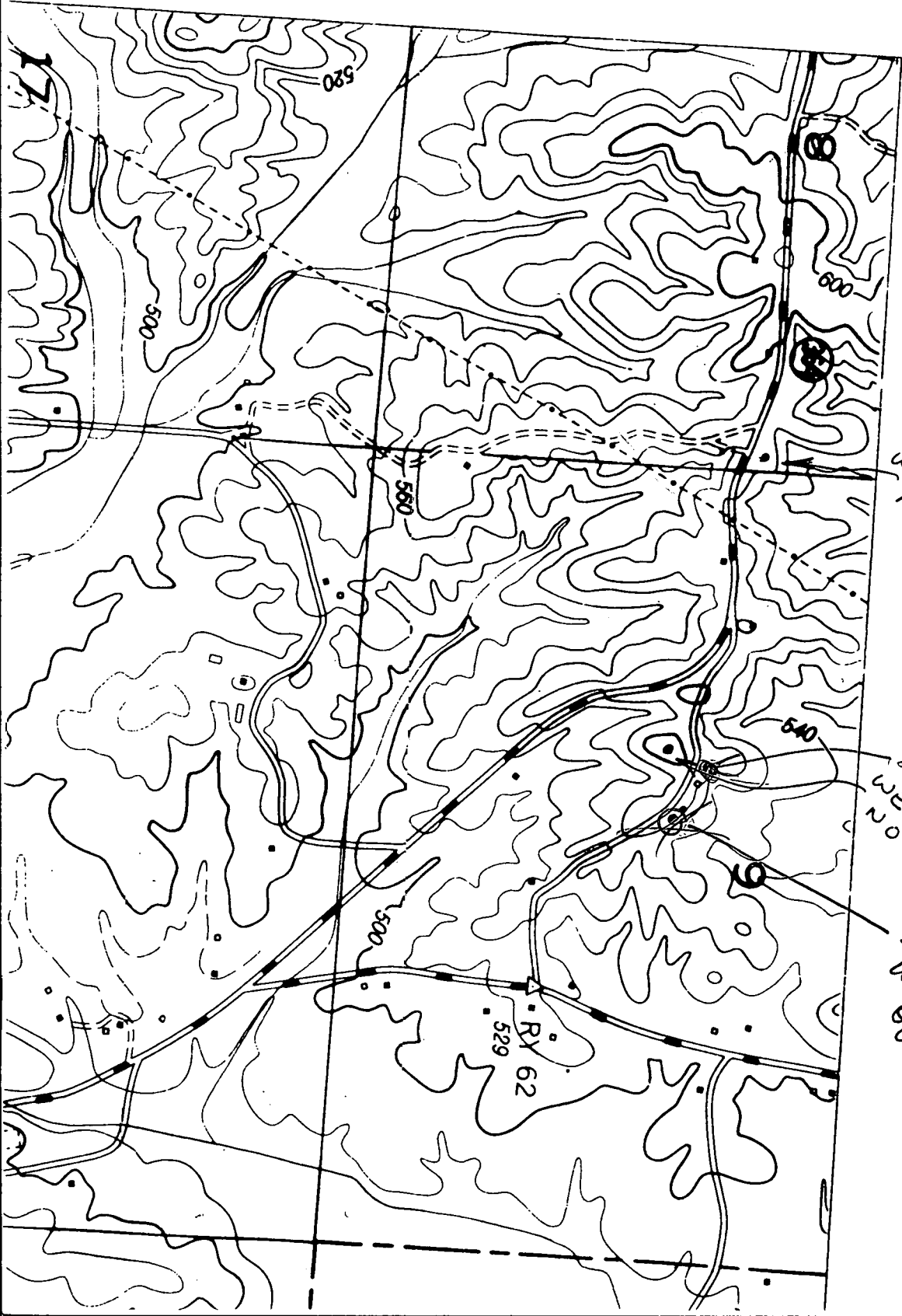


Clay	0-35
Clay, blue	35-80
Rock	80-81
Shale, sdy	81-95
Shale	95-127
Rock	127-128
Shale	128-152
Shale, sdy, strks	152-212
Shale, sdy	212-233
Shale sdy	233-278
Sand, gravel, shale	273-305
Rock	305-311
Clay, white	311-333

Well No. D18

590
305

568
569



WELL SITE
NO. 2

WELL SITE
NO. 1

Sketch map shows
well on this side
of the road

Prentiss
D 18
9-9-69

MISSISSIPPI
 BOARD OF WATER COMMISSIONERS
 416 North State Street
 Jackson, Mississippi 39201

CODED

WATER WELL DRILLERS LOG

9-9-69 19 Layne-Central Company Prentiss-Tishomi
 date well completed firm name county well located

LANDOWNER: <u>Holcut-Cairo</u>	description of formations encountered	from	
Water District			
(mailing address)	Clay	0	3
WELL LOCATION:	Blue Clay	35	8
sec. <u>9</u> T. <u>4</u> N. <u>X</u> R. <u>9</u> E	Rock	80	8
<u>8</u> miles SW <u>Burnsville</u>	Sandy Shale	81	9
(distance) (direction) (nearest town)	Shale	95	12
WELL PURPOSE: <u>municipal</u>	Rock	127	12
(home, irrigation, municipal, industrial)	Shale	128	15
WELL COMPLETION DATA:	Shale-Sand Stks	152	21
(1) diameter (inches) <u>8"</u>	Sandy Shale	212	23
(2) total depth (feet) <u>309'</u>	Shale & Sand Stks.	233	25
(3) static water level (feet) <u>146'</u> below top of ground.	Shale & Sand Stks.	253	27
(4) casing <u>steel</u> <u>255'</u>	Sand Gravel & Shale	273	30
(material) (depth)	Rock	305	31
<u>8"</u> if telescope see back.	White Clay	311	33
(size)			
(5) screen <u>50'</u> <u>255'</u>			
(length) (depth to top)			
<u>6"</u> s. steel shutter			
(size) (material)			
(6) pump <u>25</u> <u>250</u>			
(HP) (yield gpm)			
<u>electric</u>			
(type power)			
(7) electric log <u>yes</u>			
(yes or no)			
<u>Schlumberger U.S.G.S</u>			
(organization running log)			
(8) how well bottom plugged			
DRILLERS REMARKS:			

CODED

X →
 356 365

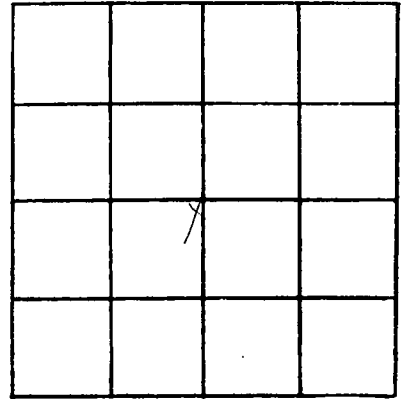
9-9-69

WATER

②

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION 9

Please indicate well location X.

ADDITIONAL INFORMATION

Lined area for providing additional information.

If more than one screen, show locations of each on sketch.

PADEN QUAD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TEN

8° 22' 30"

15'

BURNSVILLE 7.2 MI.
6.9 MI. TO U.S. 72

20'

12 MI. TO U.S. 43
JACINTO 2.9 MI.

