

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by Q Source of data Bowc Obs. driller Date 6-7-74 Map 8174 CALEDONIA QUAD.

State 3 Miss County (or town) 28 LOWNDES 49

Latitude: 33 32 41 N Longitude: 08 82 41 W Sequential number: 1

Lat-long accuracy: 2 17 18 3A SE NW SE

Local well number: C1117 BD3417 S18W Other number: B & H

Local use: 064059 Owner or name: E. LOWNDES W. A. Address: _____

Ownership: (C) County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist (N) N

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec. (P) P

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: _____

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

Pressure cards: _____

Log data: E log 18' - 620' DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 617 Meas. 3

Depth cased: 557 Casing type: 12 Diam. 12

Finish: (C) porous concrete, (F) gravel w. concrete, (G) gravel w. (perfor.), (H) gravel w. (screen), (I) horiz. open perfor., (J) gallery, end, (K) other G

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

Date Drilled: 6-7-74 974 Pump intake setting: 280 ft

Driller: Singer Layne Cleveland Miss.

Lift (type): (A) air, (B) hucket, (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): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind; H.P. 60 Trans. or meter no. _____

Descrip. MP 310 ft above below LSD, Alt. MP _____

Alt. LSD: 300 Accuracy: (source) topo 4

Water Level: 145 Accuracy: D

Date meas: 674 Yield: 700 Method determined 61

Drawdown: 674 Accuracy: 65 Pumping period 66 hrs 68

QUALITY OF WATER DATA: Iron 69 Sulfate 70 Chloride 71 Hard. 72

Sp. Conduct 73 Temp. 74 Date sampled 75 76 77 78 79

Taste, color, etc. _____

Water base Date 1/2/87 W.L. = 167.75

Well recently reworked - new pump 8/11/87

Tape hangs about 125 ft. Could not measure.

10/27/79 W.L. = 178.40

Well No. _____

FILE COPY

Latitude Longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD **Physiographic Province:** 03 **Section:** _____

Drainage Basin: D **Subbasin:** 13L _____

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

MAJOR AQUIFER: _____ **system** _____ **series** K3 **aquifer, formation, group** Sφ

Lithology: _____ **Origin:** 2 **Aquifer Thickness:** 60+ ft

Length of well open to: _____ ft **Depth to top of:** 560 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: _____

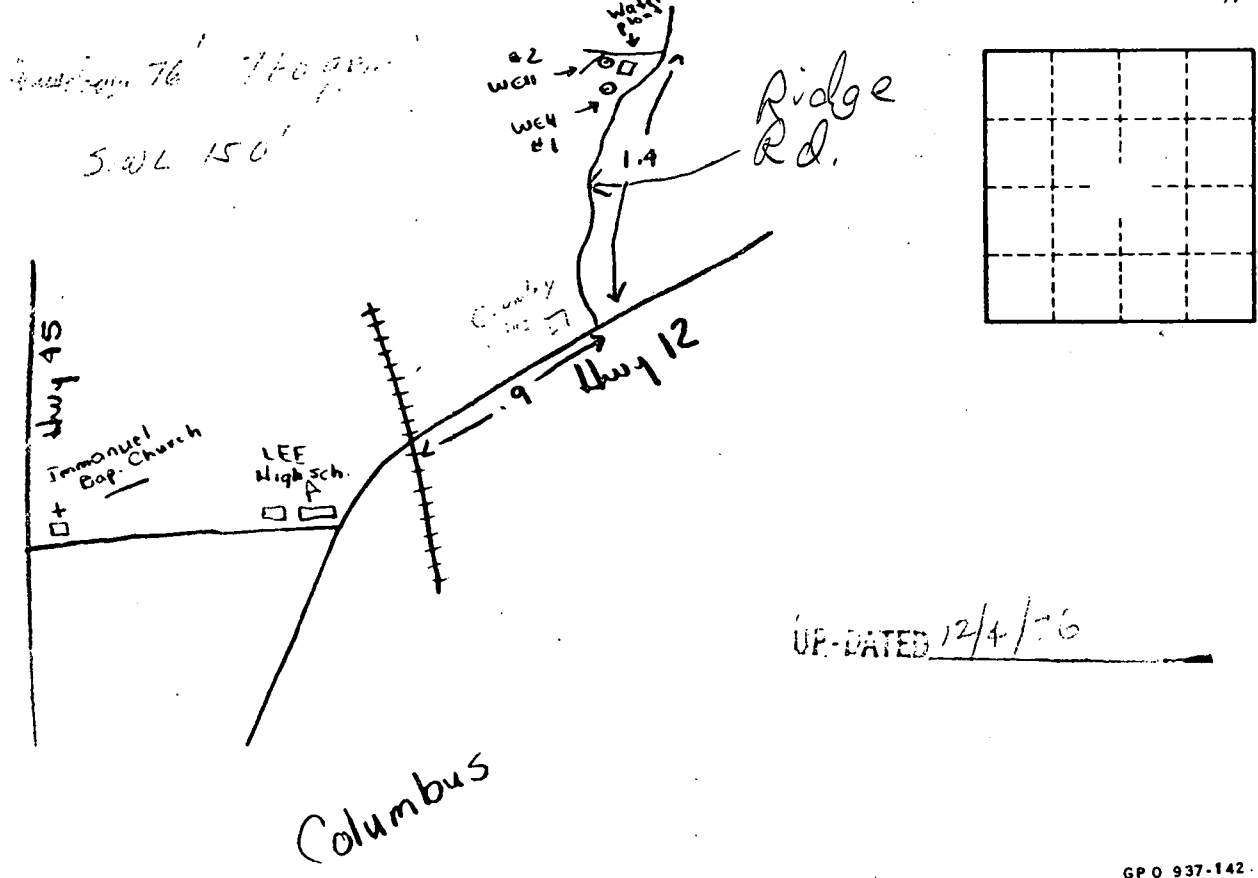
Depth to consolidated rock: _____ ft **Source of data:** _____

Depth to basement: _____ ft **Source of data:** _____

Surficial material: _____ **Infiltration characteristics:** _____

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

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



Well No. _____

C17314
Well #2

LOWNDES
C117
6-17-74
Elog #59

MISSISSIPPI
BOARD OF WATER COMMISSIONERS **CODED**
416 North State Street
Jackson, Mississippi 39201
WATER WELL DRILLERS LOG

June 17, 1974 Singer-Layne Central Div. Lowndes
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
East Lowndes Water Association	Sandy Clay	0	18
Columbus, Mississippi	Sand	18	78
(mailing address)	Sand & Sandy Clay	78	125
WELL LOCATION:	Clay	125	221
sec. 34 T. 17 S. R. 18 E. W. 5	Shale	221	346
miles of Columbus	Sand	346	368
(distance) (direction) (nearest town)	Clay	368	373
WELL PURPOSE: Municipal	Sand & Clay Strks.	373	395
(home, irrigation, municipal, industrial)	Limestone	395	416
WELL COMPLETION DATA:	Fine Sand & Limestone	416	430
(1) diameter (inches) 12"	Limestone	430	440
(2) total depth (feet) 623' 7"	Clay	440	485
(3) static water level (feet) 145' below top of ground	Sand	485	509
Surface Casing: Size-19"; Length-17'	Clay	509	555
(4) casing (material) Steel (depth) 55'	Sand	555	616
Inner Casing: Size-8"; Length-67' 3"	Sandy Clay	616	626
2' Blank 12" (size) If telescope see back.			
(5) screen (length) 60' (depth to top) 617' bottom			
8" Stainless Steel (size) (material)			
(6) pump 60 (HP) 700 (yield gpm)			
Electric (type power)			
(7) electric log Yes (yes or no)			
U. S. Geological Survey (organization running log)			
(8) how well bottom plugged 6' 7"			
Backpressure Valve (6")			
DRILLERS REMARKS:			

CODED

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JUN 2 1974

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