

WRD Exp. (GW)
April 1966

Well No. P16

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

TRANSMITTED FOR ADP

MASTER CARD

Record by R. E. Taylor Source J. C. Yates Date April 12 1966 Map County
 of data E-log

State Mississippi 28 County (or town) Marion 46
 Latitude: 31° 08' 04" N Longitude: 089° 43' 14" W Sequential number: 1
 Lat-long accuracy: 2' T. 2 S. R. 17 Sec 16, SW NW
 Local well number: P 016 0 B 16 0 2 N 17 W Other number: P16
 Local use: 466 Owner or name: J. C. Yates
 Owner or name: J. C. YATES Address: Columbia Miss.
 Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist P
 Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Repressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other S
 Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W
 DATA AVAILABLE: Well data 2 Freq. W/L meas.: monthly M Field aquifer char. Z
 Hyd. lab. data: none
 Qual. water data; type: complete
 Freq. sampling: April 25, 1966 0 Pumpage inventory: no period: yes
 Aperture cards: yes
 Log data: Few feet away Widco log #56 Marion Co. well P4 E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 230 ft 230 Meas. rept log accuracy 4
 Depth cased: 180 ft 180 Casing type: galv. iron; Diam. 2 in 2
 Finish: (C) porous concrete, (F) gravel w. (G) gravel w. (H) horiz. gallery, (I) open end, (J) screen, (K) sd. pt., (L) shored, (M) open hole, (N) other P
 Method: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd. jetted, (F) air percussion, (G) reverse, (H) rotary, (I) trenching, (J) driven, (K) wash, (L) other H
 Date Drilled: April 1966 966 Pump intake setting: No pump ft 36 38
 Driller: B. and C. Leasing Co., Hattiesburg, Miss.
 Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) (cent.), (H) (turb.), (I) (hand), (J) (piston), (K) (rot), (L) (submerg), (M) (turb), (N) other N Deep 39 Shallow 40
 Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind; (H) H₂P. None (flowing) 41 Trans. or meter no. 41
 Descrip. MP top of 2-inch casing above 167 ft below LSD, Alt. MP 167
 Alt. LSD: 167 167 Accuracy: (source) Topo map & county map 3
 Water Level: +1 above 1 ft below MP; Ft below LSD +1 Accuracy: type meas 52 A
 Date meas: April 1966 466 Yield: Flows 3 gpm 3 Method determined 1
 Drawdown: unknown ft 4 Accuracy: - 56 Pumping period 1 hrs 66 68
 QUALITY OF WATER DATA: Iron 0.83 4 Sulfate 6.0 0 Chloride 23 1 Hard. 62 3
 Sp. Conduct 276 K x 10⁶ 2 Temp. 70 °F 74 76 Date sampled April 25, 1966 466 77 79
 Taste, color, etc. Clear

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Latitude-longitude 31 02 46 ^W 89 43 12
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: Coastal Plain 03 Section: East Gulf

Coastal Plain D Drainage Basin: 13V Subbasin:

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (V) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: Tertiary Miocene T.M Pascagoula Formation PA

Lithology: very coarse sand 55 Origin: Deltaic 3 Aquifer Thickness: 59 ft

59 Length of well open to: 50 ft 50 Depth to top of: 180 ft 180

MINOR AQUIFER:

Lithology: Origin: Aquifer Thickness: ft

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

Intervals Screened: 180-230

Depth to consolidated rock: unknown ft Source of data:

Depth to basement: unknown ft Source of data:

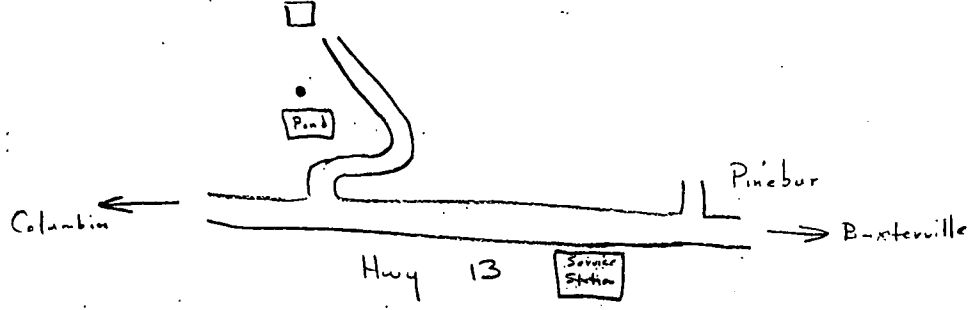
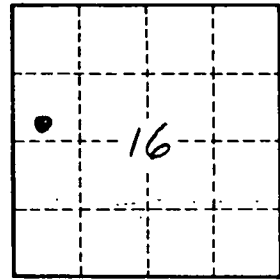
Surficial material: sandy alluvium 8A Infiltration characteristics:

Coefficient Trans: 100,000 gpd/ft 104 Coefficient Storage: unknown

Coefficient Perm: 1700 gpd/ft²; Spec cap: unknown gpm/ft; Number of geologic cards:

Pumped 40 gpm on test 4/25/66.

P4 drilled to 1281 ft and logged.
P16 moved over a few feet and drilled well into indicated aquifer



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