

not spotted

omit → destroyed

FORM 9-1642
(1-68)

Well No. H4

WELL SCHEDULE

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

MASTER CARD

Record by J. Shell Source of data BOWC Date 4/69 Map Vardaman

State: 28 County (or town) Calhoun 07

Latitude: 33^{deg} 54^{min} 24^{sec} N Longitude: 089^{degrees} 09^{min} 12^{sec} Sequential number: 1

Lat-long accuracy: 5 T. N. E. S. R. W. Sec. k. l. Other number: B & M

Local well number: H004 3613 S01E Other number: _____

Local use: 139 Owner or name: R. B. MASSEY Address: Vardaman, Miss

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Res, (S) (T) (U) (V) (W) (X) (Y) (Z) H

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. (D) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) 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: _____

Aperture cards: _____

Log data: _____

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1260 ft Meas. accuracy 3

Depth cased: 210 ft Casing type: _____; Diam. in 4

Finish: porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, perf., screen, sd. pt., shored, open hole, other X

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

Date Drilled: 962 Pump intake setting: _____ ft

Driller: name _____ address _____

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 Deep Shallow

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

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

Alt. LSD: _____ Accuracy: (source) _____

Water Level: 200 ft above below MP; Ft below LSD 200 Accuracy: _____

Date meas: 362 Yield: _____ gpm Method determined _____

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs

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

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled _____

Taste, color, etc. _____

Well No.

H4

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Latitude-longitude N
S
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HYDROGEOLOGIC CARD

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

D Drainage Basin: 156 Subbasin: _____

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

MAJOR AQUIFER: system _____ series K3 aquifer, formation, group EU

Lithology: _____ Origin: 6 Aquifer Thickness: ≥ 135 ft

Length of well open to: _____ ft 135 Depth to top of: 1125 ft 112

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: open well

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

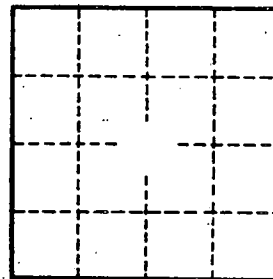
Depth to basement: _____ ft _____ Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

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

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

Clay	0 - 20
Lime + clay	20 - 60
Lime stream	60 - 70
Shale	70 - 180
Blue gumbo	180 - 300
Gumbo + shale	300 - 525
"Wilcox sd"	525 - 560
Gumbo + shale	560 - 700
White chalk	700 - 1000
Black shale	1000 - 1125
"Eutaw sd"	1125 - 1260



Well No. H4

CALHOUN MISSISSIPPI BOARD OF WATER COMMISSIONERS

H4
3-62

WATER WELL DRILLERS LOG

CALHOUN

Date: MARCH, 1962, Driller: Sam Smith County Calhoun
(Name)

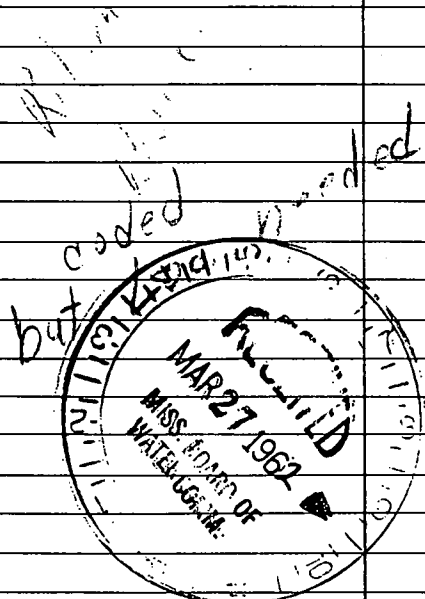
		Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick- ness Feet	Depth Feet
(1) Owner of Land: <u>R. B. Massey</u> (Name)		Clay	0	20
<u>Vardaman, Miss.</u> (Address)		Limestone clay	20	60
(2) Location: <u>36 135 E</u> 1/4, 1/4, Sec. T R		Limestone stream	60	70
<u>2</u> miles <u>Northeast</u> of <u>Vardaman</u> (distance) (direction) (Nearest Town)		SHALE	70	180
(3) Topography: <u>✓</u> (Hilly) (Flat) (Level)		Blue Gumbo	180	300
(4) Purpose of Well: <u>Domestic</u> (Domestic Irrigation Municipal, Industrial, Other)		Gumbo shale	300	525
		Willow sand	525	560
		Gumbo shale	560	700
		White Chalk	700	1000
		Black shale	1000	1125
		Utah sand	1125	1260

Information upon completion of well:

- (1) Diameter 4 inches.
- (2) Total Depth 1260 feet.
- (3) Water Level 200 feet below top of ground.
- (4) Cased to 210, Size 4"
- (5) Screen: Size _____, Length _____
- (6) Were any formations sealed against pollution?
✓ yes, _____ no.

If YES depth of formation 60 feet
Why Surface + lime water

Drillers Remarks: _____



(Use Back Side)

Well No.

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