

# FILE COPY WELL SCHEDULE

Well No. C27

E109#40

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

### MASTER CARD

Record by B.E. Watson Source of data MSGH Date 4-64 Map \_\_\_\_\_

State 28 County (or town) Monroe 48

Latitude: 33<sup>40'</sup> 58<sup>7'</sup> 48<sup>11"</sup> N Longitude: 0<sup>12</sup> 8<sup>13</sup> 8<sup>14</sup> 2<sup>15</sup> 4<sup>16</sup> 2<sup>17</sup> 8<sup>18</sup> Sequential number: \_\_\_\_\_

Lat-long accuracy: \_\_\_\_\_ T 12 N 18 E 34 Sec 34 NE SE t. \_\_\_\_\_

Local well number: G027AD3412S18W Other number: \_\_\_\_\_

Local use: 00Y Owner or name: Town of Hatley

Owner or name: HATLEY Address: Hatley Water District

8/26/87  
153.00  
13.13  
139.87  
1.00 MP  
138.87

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dow, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other \_\_\_\_\_ P

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

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

Hyd. lab. data: \_\_\_\_\_

Qual. water data: type: \_\_\_\_\_

Freq. sampling: \_\_\_\_\_ Pumpage inventory: \_\_\_\_\_

Aperture cards: \_\_\_\_\_

Log data: \_\_\_\_\_ E

1/19/80  
W-138

### WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 239 Meas. 3

Depth cased: 198 Casing type: \_\_\_\_\_; Diam. 8 in \_\_\_\_\_

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (B) other \_\_\_\_\_ G

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

Date Drilled: 64 Pump intake setting: \_\_\_\_\_ ft \_\_\_\_\_

Driller: Robert Ratliff

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

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

Descrip. MP \_\_\_\_\_ ft above \_\_\_\_\_ below LSD, Alt. MP \_\_\_\_\_

Alt. LSD: 367 Accuracy: \_\_\_\_\_

Water Level 117.18 ft above MP; Ft. below LSD 117 Accuracy: meas

Date meas: 4.6.4 Yield: \_\_\_\_\_ rpm \_\_\_\_\_ Method determined \_\_\_\_\_

Drawdown: \_\_\_\_\_ ft \_\_\_\_\_ Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs \_\_\_\_\_

QUALITY OF WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm

Sp. Conduct 90 K x 10<sup>6</sup> \_\_\_\_\_ Temp. 16.6 \_\_\_\_\_ Date sampled \_\_\_\_\_

Taste, color, etc. Ph = 5.8

Well No.

C27

HYDROGEOLOGIC CARD

Physiographic Province: 03 Section: 03

Drainage Basin: 136 Subbasin: 136

Well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

MAJOR AQUIFER: K3 system series aquifer, formation, group 3.0

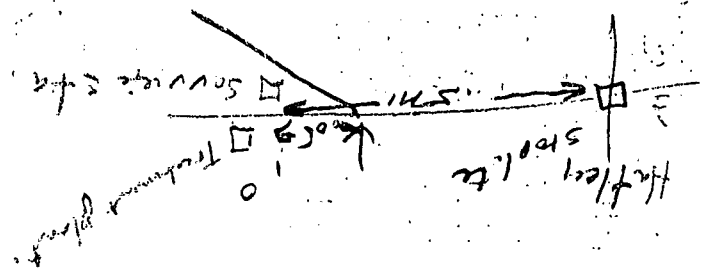
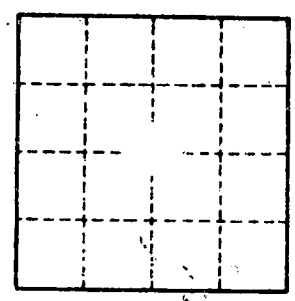
Lithology: Salt Ginn system series aquifer, formation, group 2 Thickness: 2 ft

MINOR AQUIFER: 5 Length of well open to: 4.0 ft Depth to top of: 1.95 ft

Lithology: 3 system series aquifer, formation, group 3.0 Thickness: 3.0 ft

Interval Screened: 31 Length of well open to: 3.0 ft Depth to top of: 3.0 ft

Depth to consolidated rock: 60 ft Source of data: 60  
 Depth to basement: 60 ft Source of data: 60  
 Surficial material: 60 Infiltration characteristics: 60  
 Coefficient of storage: 60 Coefficient of permeability: 60  
 Perm: 60 Spm/ft: 60 Spec cap: 60 Number of geologic cards: 60



150' 8.63' 141.37' 10/11/78  
 2.00 MP top of secondary Seal above land surface  
 1530 139.37

148 8.74 139.26 2.00 137.26  
 1545 Pump off 1000 ft  
 137 137 230 +

GP 0 937-142

*Morroe City*

U.S. DEPT. OF INTERIOR  
 GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 GROUND WATER SITE INVENTORY  
 WATER-LEVEL DATA

FILE COPY

WELL NO. 027  
 MP HEIGHT \_\_\_\_\_

owner: *Hatley*

Site Ident. No. \_\_\_\_\_

R = 234 \*

T = A \*

DATE	WATER LEVEL (BELOW LSD)	STATUS	METHOD	HOLD	CUT	DEPTH BELOW MP	REMARKS	DATE PUNCHED	DATE ENTERED
235 # 11/19/1982 *	237 = 1138.00 *	238 = *	239 = *						
235 # / / *	237 = . . . . . *	238 = *	239 = *						
235 # 08/26/1987 *	237 = 1138.87 *	238 = *	239 = *						
235 # / / *	237 = . . . . . *	238 = *	239 = *						
235 # / / *	237 = . . . . . *	238 = *	239 = *						
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235 # / / *	237 = . . . . . *	238 = *	239 = *						

Method of Measurement 239 = A C E G H L M R S T Z  
 airline, calibrated, estimated, pressure, calibrated, geophysical, manometer, reported, steel, electric, other  
 airline gage pressure gage logs tape tape

Site Status 238 = D G H Ø P R S T Z  
 dry, flowing, nearby, nearby, obstruction, pumping, recently, nearby, nearby, other  
 flowing recently flowing pumped pumping recently

MONROE MISSISSIPPI BOARD OF WATER COMMISSIONERS

C 27  
4-3-64

<sup>Coded</sup> WATER WELL DRILLERS LOG **CODED**

E log #40

Date: April 3, 1964, Driller: Robert F. Rathoff County Linn  
(Name)

(1) Owner of Land: Hatley Water asso.  
(Name)  
Hatley, miss  
(Address)

(2) Location: SW NE SE 1/4, SE 1/4, Sec. 34 T25 R18 W  
\_\_\_\_\_ miles \_\_\_\_\_ of \_\_\_\_\_  
(distance) (direction) (Nearest Town)

(3) Topography: Hilly  
(Hilly) (Flat) (Level)

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

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick- ness Feet	Depth Feet
Pipe clay	0	12
Red clay with pebbles	12	46
Red clay	46	58
Red shale	58	69
Red shale	69	79
Blue shale	79	92
Blue shale w/ sand shales	92	137
Hard blue shale	137	160
Hard blue shale w/ sandy base	160	175
Loess (soft)	175	176
Hard blue shale w/ sand shales	176	183
Fine sand	183	195
Letter Causey sand	195	205
Causey sand	205	238

Information upon completion of well:

(1) Diameter 10 inches.

(2) Total Depth 238 feet.

(3) Water Level 120 feet below top of ground.

(4) Cased to 178 <sup>238</sup> Size 10"

(5) Screen: Size 6", Length 40'

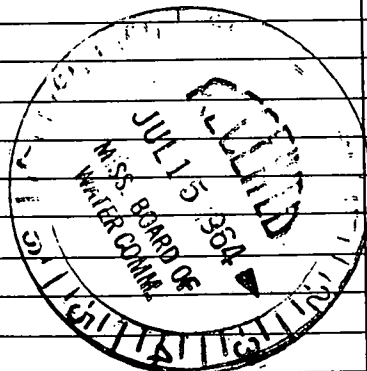
(6) Were any formations sealed against pollution?  
 yes, \_\_\_\_\_ no.

If YES depth of formation 178 <sup>238</sup>

Why \_\_\_\_\_

Drillers Remarks: \_\_\_\_\_

**CODED**



(Use Back Side)

Well No.

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

MISSISSIPPI BOARD OF WATER COMMISSIONERS

WATER WELL DRILLERS LOG

Date: April 3, 1964 Driller: Robert E. Ratliff County Monroe

(Name)

(1) Owner of Land: Hatley Water Association  
Hatley, Miss.  
 (Address)

(2) Location: 1/4, 1/4, Sec. T R  
in town miles, of Hatley  
 (distance) (direction) (Nearest Town)

(3) Topography: Flat  
 (Hilly) (Flat) (Level)

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

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick- ness Feet	Depth Feet
pipe clay	12	12
red sand w/ clay streaks	34	46
red sand	12	58
red shale	11	69
red shale	10	79
blue shale	13	92
blue shale + sand streaks	45	137
hard blue shale	23	160
hard blue shale, sandy streak	15	175
rock (soft)	1	176
hard blue shale, sand streak	7	183
fine sand	12	195
little, coarse sand	10	205
coarse sand	33	238

Information upon completion of well:

(1) Diameter 10 inches.

(2) Total Depth 238 feet.

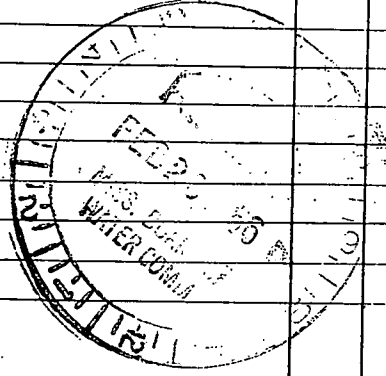
(3) Water Level 46' feet below top of ground.

(4) Cased to 198, Size 10"

(5) Screen: Size 6", Length 40'

(6) Were any formations sealed against pollution?  
 yes,  no.

If YES depth of formation Casing cemented  
in place  
 Why \_\_\_\_\_  
 Drillers Remarks: \_\_\_\_\_



(Use Back Side)

Well No.

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

MONROE

C27

log #40

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

WATER WELL DRILLERS LOG

INDEXED

6/11 1964  
date well completed

Robert & Rattery Co.  
firm name

MONROE  
county well located

LANDOWNER: <u>Hatley Water District</u>	description of formations encountered	from	to
	Pipe Clay	0	12
	Red Sand w/ clay strk	12	46
	Red Sand	46	58
	Red shale	58	69
	Red shale	69	79
	Blue shale	79	92
	Blue shale w/ sand strk	92	137
	Hard blue shale	137	160
	Hard blue shale w/ sand strk	160	175
	Soft rock	175	176
	Hard blue shale w/ sand	176	183
	Fine sand	183	195
	Little Coarse sand	195	205
	Coarse sand	205	227
	Coarse sand	227	249
	Coarse sand	249	260
	Coarse sand w/ gravel	260	271
	Pea gravel	271	296
WELL LOCATION: <u>34</u> <u>12</u> <u>18</u> sec. <u>T</u> <u>N</u> R. <u>E</u> (distance) miles (direction) of (nearest town) <u>S</u> <u>W</u>			
WELL PURPOSE: <u>Municipal</u> (home, irrigation, municipal, industrial)			
WELL COMPLETION DATA: (1) diameter (inches) <u>10" X 6"</u> (2) total depth (feet) <u>238'</u> (3) static water level (feet) <u>145'</u> below above top of ground. (4) casing <u>198'</u> (material)                                  (depth) <u>10"</u> if telescope see back. (size) (5) screen <u>40'</u> (length)                                  (depth to top) <u>6"</u> (size)                                  (material) (6) pump <u>10</u> <u>125</u> (HP)                                  (yield gpm) (type power) (7) electric log <u>yes or no</u> (organization running log) (8) how well bottom plugged _____			
DRILLERS REMARKS: _____			