

WRD Exp. (GW)
April 1966

Well No. B17

WELL SCHEDULE

Replac = B3

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

FILED WITH THE STATE OF MISSISSIPPI
ROLLA COMPUTATION DIVISION

MASTER CARD

Record by Jac Source of data _____ Date _____ Map Hattiesburg

State _____ County 28 (or town) _____ Sequential number: 1

Latitude: 31° 21' 07" N Longitude: 08° 9' 20" W
 Lat-long accuracy: 3 deg 7 min 9 sec 11 sec 12 degrees 15 min sec 18

Local well number: 3017A D 3105 N 3 W Other number: 3A B & M

Local use: 009 _____ 165 97 Owner or name: _____

Owner or name: HATTIESBURG Address: _____

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

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

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

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: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 607 Meas. _____

Depth cased: _____ ft 540 Casing type: Steel ; Diam. 12x8 in _____

Finish: porous concrete, gravel w. (perf.), (C) gravel w. (screen), (H) horiz. gallery, (P) open end, _____

Method: (A) air bored, (C) cable, (H) dug, (J) hyd. jetted, (P) percussion, (R) rotary, _____

Date Drilled: 12/15/64 964 Pump intake setting: _____ ft _____

Driller: CARLOSS WELL 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, (Z) other _____

Power (type): diesel, (elec) nat gas, gasoline, hand, gas, wind; H.P. 75 Trans. or meter no. _____

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

Alt. LSD: _____ Accuracy: _____

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

Date meas: _____ Yield: _____ 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 _____

Taste, color, etc. PH 7.4

Well No.

B17

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Province: 03 Section: 20 21

Drainage Basin: D Subbasin: 130 22 23 25 26

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp. (T) terrace, undulating, valley flat. 27 7

MAJOR AQUIFER: Tertiary, Miocene 174 Catahoula aquifer, formation, group. 28 29 30 31

Lithology: US Origin: 3 Aquifer Thickness: 3 ft. 32 33 34

Length of well open to: 80 ft. Depth to top of: 67 ft. 35 37 38 40 41 43

MINOR AQUIFER: system series aquifer, formation, group. 44 45 46 47

Lithology: Origin: Aquifer Thickness: ft. 48 49 50

Length of well open to: ft. Depth to top of: ft. 51 53 54 56 57 59

Intervals Screened: 60 63

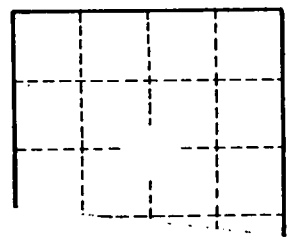
Depth to consolidated rock: ft. Source of data: 64

Depth to basement: ft. Source of data: 65 68

Surficial material: Infiltration characteristics: 70 71 72

Coefficient Trans: 48,000 gpd/ft. 483 Coefficient Storage: .0005 305 73 75 76 78

Coefficient Perm: 600 gpd/ft^2; Spec cap: 9.7 gpm/ft; Number of geologic cards: 79



Bottom section of the hydrogeologic card containing detailed data for water quality and well construction. Includes fields for Sp. Conduct, Temp, Chloride, Sulfate, Iron, Pumping period, Yield, Accuracy, Level, Date, Descr. MP, Power, Lift, Driller, and Method. Handwritten notes include 'B18', 'Patterson', and '3/4'.

RECEIVED

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

Plant #1
Well #3

APR 05 1993

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only. 2-11-97 AGN

Office of Land & Water Resources
FORM OLWR-AP-2 (REV. 9/94)

Table with 4 columns: Issued, Expires, Fee Paid, Permit No.; Lat, Long, Elev, USGS No.; Quad, ASCS Farm No, STAC, MSDOH No.; Aquifer, Tract No, Basin No.; Remarks, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-03235

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply (Municipal, Rural Water, or Private Water) 2) Irrigation

3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: City of Hattiesburg (Name) 64-6000432 (SSN or Tax ID No.)

P.O. Box 1898 (Address)

Hattiesburg, MS 39403-1898 (City) (State & Zip) (601) 545-4500 (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

SAME (Name) (SSN or Tax ID No.)

(Address)

(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NE 1/4 of the SE 1/4 of Section 31, Township 05 N, Range 13W, County Forrest

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. MS-GW-03233, 03234, 03236, 03237, 03238, 11848, 11849

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-05

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.

If well has already been drilled, when was well completed (date)? _____, 19_64_. Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 700 feet. DRILLER: Carlos Well Supply

(b) SURFACE CASING: Length 610 feet; Diameter 12 inches; Type Steel

(c) SCREEN: Length 87 feet; Diameter 8 inches; Type Slotted

(d) PUMP: Type Turbine; Size 10"; Capacity 1000 gallons per minute; Setting depth 180 feet

(e) POWER UNIT: Type Electric; Size 100 horsepower

4. PERMITTED VOLUME:

(a) _____ gallons per year at a maximum rate of _____ gallons per minute

(b) 1.4 million gallons per day at a maximum rate of 1000 gallons per minute

(CONTINUED ON BACK)

1000

MAP SENT

SECTION C (to be completed for SURFACE WATER SOURCE)

- Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
- Description of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
- _____ acre-feet per year at a maximum rate of _____ gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)

- Name of storage reservoir: _____ Dam Height: _____ feet
- Surface area at normal pool: _____ Storage capacity at normal pool: _____ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; Other (specify) _____ Acres _____

A. Method of Irrigation (circle one) - Center Pivot Flood Furrow

B. Land Condition (circle one) - Precision Land Formed Smoothed

C. ASCS Farm No. _____ Tract No. _____

- FISH CULTURE:** Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM

Chose "a" or "b". (a) The number of people served is _____ or (b) The number of connections is 15,300

What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the

next twenty (20) years?	<u>9.2 MGD</u>	<u>2001</u>	<u>10.6 MGD</u>	<u>2006</u>	<u>12.2 MGD</u>	<u>2011</u>	<u>14.0 MGD</u>	<u>2016</u>
	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)

- INDUSTRIAL :** If the water is to be released into a watercourse, indicate the amount released each year _____;
Rate of release _____; NPDES Permit No. _____

Explain any changes in quality of water to be released: _____

Explain how water will be used: _____

How much groundwater will be used for once-through non-contact cooling? _____

- RECREATION:** Explain how water will be used: _____

- OTHER USE:** Explain in detail (if needed, attach another page): _____

- REMARKS:** _____

List below the person to be contacted for additional information if required.

Charles Henderson

(Name)

Water Plant #2, 900 James St.

(Address)

Hattiesburg, MS 39401

(City, State, Zip)

601-545-4530

(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

[Signature]
(Signature)

Subscribed and sworn to before me this 21st day of March, 1996, at Hattiesburg County of Forrest

My commission expires 8-23-96; Melinda M. Nixon Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg
Quad.

GPS LOG

USER NAME(S): CA Hornbeak DATE: 6/28/94

UNIT DEQ #: 82555 FILE #: C 062823C

HEALTH DEPT. #: 180008-05 ELEV. 160

USGS #: 2-114 B17 OLWR #: 3235

OWNER: City of Hattiesburg

LOCATION: SE-SE-SE S 31 T 5N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: S of Old Pump Station, which is 3/10 mi.
North of main water works Bldg. (Plant #1)

CASING DIA: 16" PUMP TYPE & SIZE: 100 HP Elec.

GPS FIELD LOCATION: LAT. 31° 21.123 LONG. 89° 19.883

GPS CORRECTED LOCATION: LAT. 31 21 06.719 LONG. 89 19 52.132
31.351870 89.331150

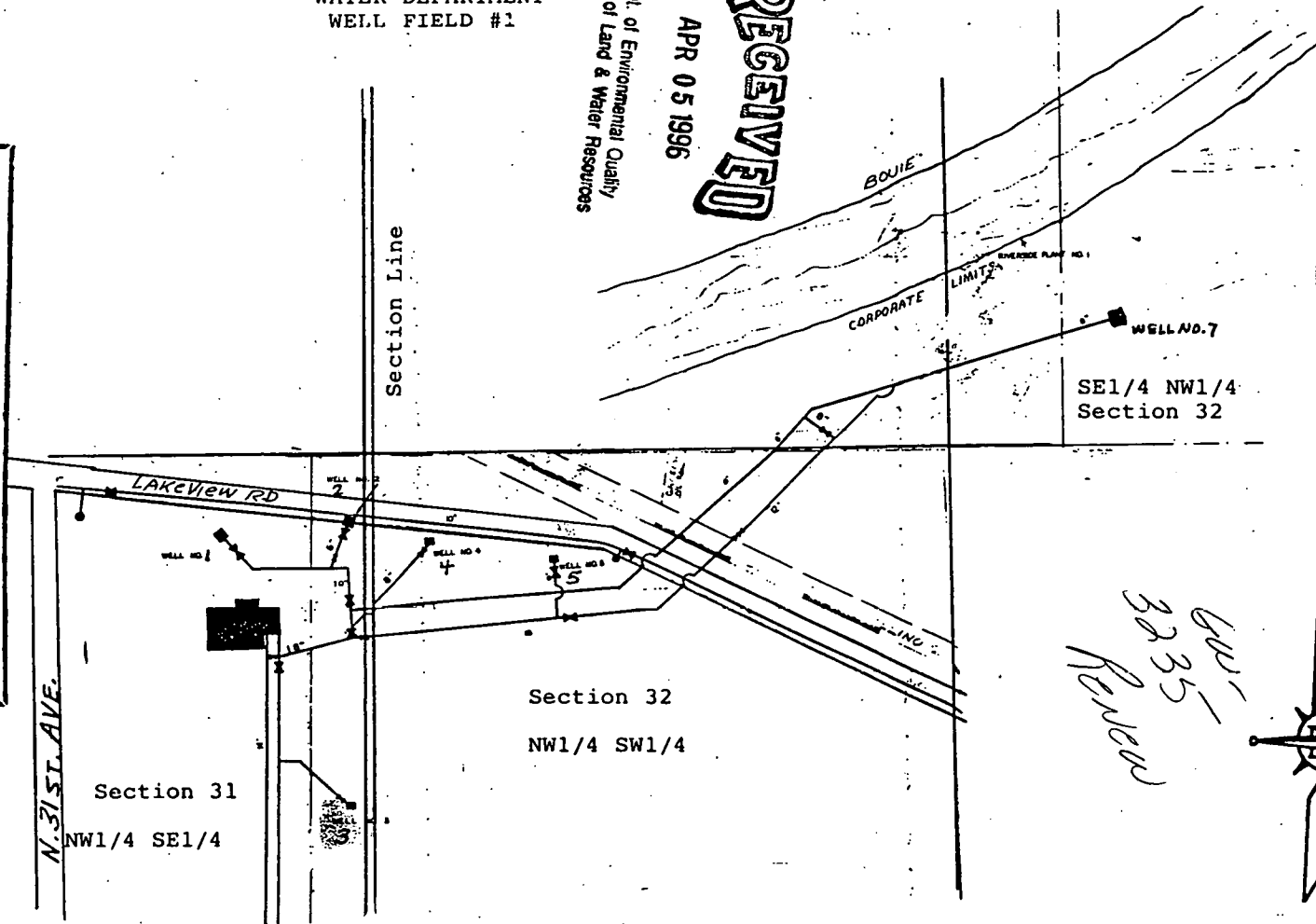
REMARKS: GPS at Well.

CITY OF HATTIESBURG
WATER DEPARTMENT
WELL FIELD #1

Dept. of Environmental Quality
Office of Land & Water Resources

APR 05 1996

RECEIVED



*W-1
3235
Review*



PREPARED BY _____
CITY ENGINEERING DEPARTMENT
HATTIESBURG, MS

BY: J.L.L. DATE: _____ SCALE: _____
OK'D _____

RECEIVED

APR 02 1988

Office of Land & Water Resources
Dept. of Environmental Quality

OR.

41. 1/2 MILES 0.6 MI.

R. 14 W. R. 13 W. 277

278 20'

LAUREL 24 MI. MOSELLE INTERCHANGE 9 MI.

3146 IV NE (EASTABUCHIE)

