

WRD Exp. (GW)
April 1966

PURCHASED AND VERIFIED
ROLLA COMPUTATION BRANCH

Well No. 84

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by Jac Source of data _____ Date _____ Map Hattiesburg

State MS County W (or town) _____

Latitude: 31 21 05 N Longitude: 08 9 19 4 9 Sequential number: 3

Lat-long accuracy: 3 20 T 5 0 S, R 13 0 Sec 32, NW 4, SW 4

Local well number: B004B C3205N13W Other number: #4 B & M

Local use: 009 Owner or name: Montgomery

Owner or name: MONTGOMERY Address: _____

Ownership: County (C), Fed Gov't (F), (M) City, Corp or Co, Private (N), (P) State Agency, Water Dist (S), (W) _____

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

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

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

Hyd. lab. data: _____

Qual. water data; type: MSBON Complete 6-19-59

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

Aperture cards: _____

Log data: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 450 Meas. rept. accuracy _____

Depth cased; (first perf.) _____ ft _____ Casing type: _____; Diam. _____ in _____

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

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

Date Drilled: 9/30 Pump intake setting: 118 ft _____

Driller: Carlross 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, other _____ Deep _____ Shallow _____

Power (type): nat _____ LP _____ 75 _____ Trans. or meter no.

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

Alt. LSD: 160.2 _____ 160 Accuracy: (source) _____

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

Date meas: 9/55 _____ 9:55 Yield: 953 gpm _____ 9:55 Method determined _____

Drawdown: _____ ft _____ Accuracy: _____ Pumping period _____ hrs _____

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

Sp. Conduct _____ K x 10⁶ _____ Temp. 20.6 _____ Date sampled _____

Taste, color, etc. Temp = 70.6 F = 69 F; pH = 5.8 (10-26-1987)

SR
51

Well No.

84

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg
Avad.

GPS LOG

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

UNIT DEQ #: 82555 FILE #: C062823A

HEALTH DEPT. #: 180008-01 ELEV. 200

USGS #: 2-110 B4 ~~B23~~ OLWR #: 3234

OWNER: City of Hattiesburg

ohs. ^{lost 2} LOCATION: NE-SE S 31 T 5N R 13W COUNTY: Fortest

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

CASING DIA: 16" PUMP TYPE & SIZE: 75 HP Elec.

GPS FIELD LOCATION: LAT. 31° 21.179 LONG. 89° 19.848

GPS CORRECTED LOCATION: LAT. 31 21 12.239 LONG. 89 19 52.153
31.353403 89.331156

REMARKS: GPS at well.

RECEIVED
Plant #1
Well #2
APR 05 1995

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

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.

| | | | |
|--------------------------|---------------------------|--------------------|--------------------------------------|
| Issued: <u>8-26-86</u> | Expires: <u>8-26-2006</u> | Fee Paid: <u>X</u> | Permit No. |
| Lat. <u>31-21-12</u> | Long. <u>89-19-51</u> | Elev. <u>155</u> | USGS No. <u>B3</u> |
| Quad. <u>Hattiesburg</u> | ASCS Farm No. | STAC. | MSDOH No. |
| Aquifer: | Tract No. | | Basin No. |
| Remarks: | | | Dam Inv. No. |

THIS APPLICATION IS FOR (Circle one): RENEWAL - PERMIT NO. MS-GW-03234

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 64-6000432
(Name) (SSN or Tax ID No.)
P.O. Box 1898
(Address)
Hattiesburg, MS 39403-1898 (601) 545 4500
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):
SAME
(Name) (SSN or Tax ID No.)
(Address)
(City) (State & Zip) (Telephone)

MAP SENT

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
NW 1/4 of the SE SW 1/4 of Section 32, 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, 03235, 03236, 03237, 03238, 11848, 11849

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-01
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 31. Under whose name was well originally drilled (if known)? City of Hattiesburg
3. Description of proposed or completed well:
(a) DEPTH OF WELL: 607 feet. DRILLER: Carlos Well Supply
(b) SURFACE CASING: Length 640 feet; Diameter 10 inches; Type Wrought Iron
(c) SCREEN: Length 85 feet; Diameter 8 inches; Type Slotted
(d) PUMP: Type Turbine; Size 10"; Capacity 1000 gallons per minute; Setting depth 170 feet
(e) POWER UNIT: Type Electric; Size 75 horsepower

4. PERMITTED VOLUME :
(a) _____ million gallons per year at a maximum rate of _____ gallons per minute
(b) 1.4 million gallons per day at a maximum rate of 1000 970 gallons per minute
8.27 (CONTINUED ON BACK) 970

SECTION C (to be completed for **SURFACE WATER SOURCE**)

1. Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)
2. Discription of pump/diversion works:
Pump (size & type): _____ Power Unit (size & type): _____
Lift: _____ feet Maximum capacity: _____ gallons per minute
3. _____ 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)

1. Name of storage reservoir: _____ Dam Height: _____ feet
2. 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)


1. **IRRIGATION:** List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorgum _____; 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. _____
2. **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) |
4. **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? _____
5. **RECREATION:** Explain how water will be used: _____
6. **OTHER USE:** Explain in detail (if needed, attach another page): _____
7. **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)

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

My commis:ion expires 8-23-96; Melinda M. Nixon Notary Public.

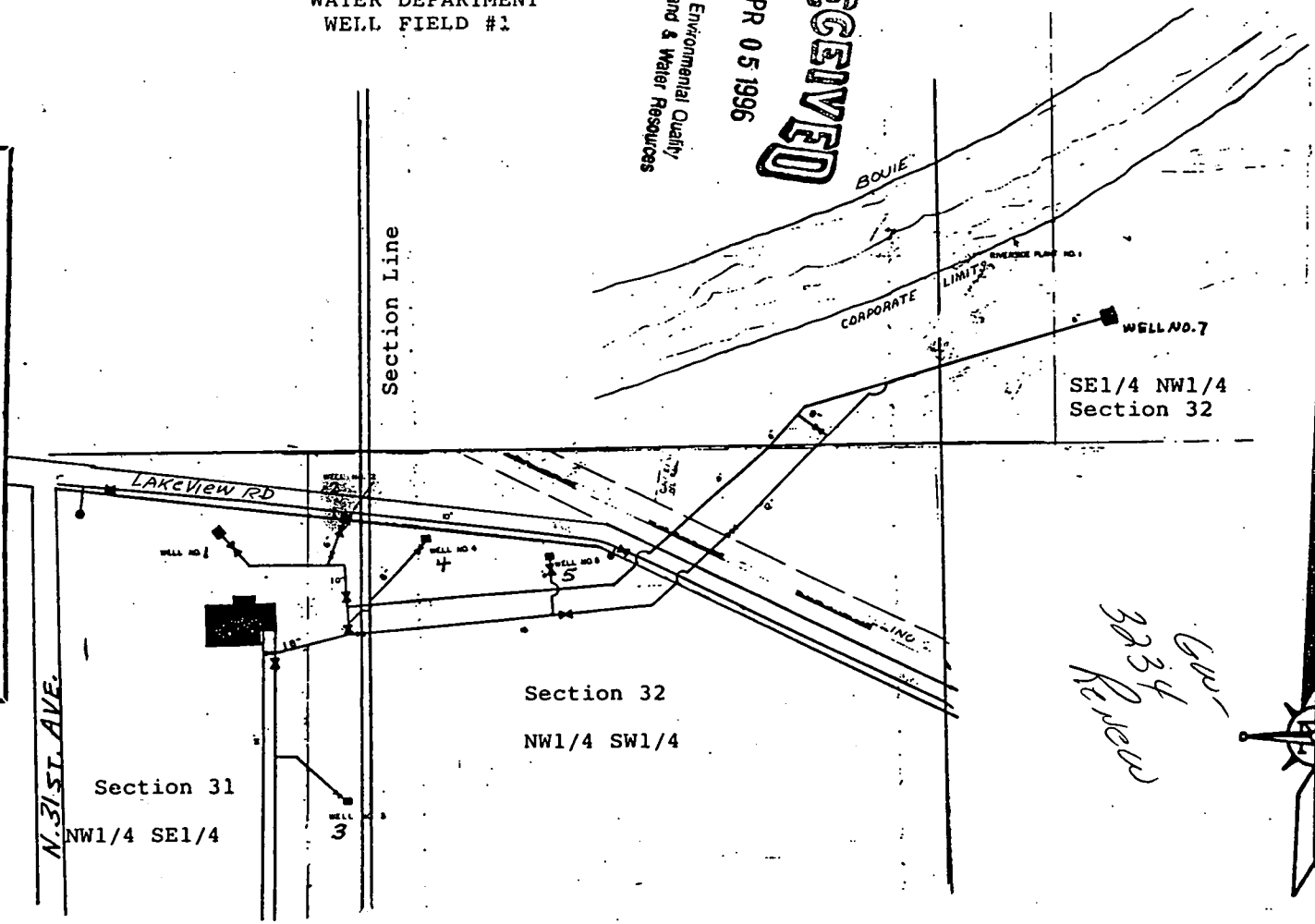
CITY OF HATTIESBURG
WATER DEPARTMENT
WELL FIELD #1

Dept. of Environmental Quality
Office of Land & Water Resources

RECEIVED
APR 05 1996

PREPARED BY
CITY ENGINEERING DEPARTMENT
HATTIESBURG, MS

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



*3834
Review*

RECEIVED

APR 02 1996

Office of Solid & Waste Resources
Dept. of Environmental Control

OR

11. 1/4 INGS 0.6 MI. R. 14 W. R. 13 W. 277 278 20' LAUREL 24 MI. MOSELLE INTERCHANGE 9 MI. 3146 IV NE (EASTABUCHIE)

