### WELL SCHEDULE

**U.S. DEPT. OF THE INTERIOR**
**GEOLOGICAL SURVEY**

**MASTER CARD**

- **State:** [Field for state data]
- **County (or town):** 218
- **Latitude:** 31° 18' 47" N
- **Longitude:** 88° 9' 10" W
- **Local well number:** 01 005 AF 1 1 1 3 1 3 0
- **Local use:** 4 6 4 1 3
- **Owner or name:** City of Hattiesburg

**WELL-DESCRIPTION CARD**

- **Depth well:** 167.7 ft
- **Casing:** 8 in
- **Porous:** gravel
- **Gravel:** 10 in
- **Method:** air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive rot., percussion, rotary, wash, other
- **Date Drilled:** 9/6/0
- **Driller:** [Field for driller's name]

**WATER DATA**

- **Water level:** 19.75 ft above LSD
- **Water level gauge:** 12/21/67
- **Dissolved Oxygen:** 6.4 ppm
- **Temperature:** 72° F
- **Specific Conductivity:** 184 µS
- **Taste, color, etc.:** Temp: 72°F = 22.2°C, pH = 6.6, Date taken: 10-12-87
<table>
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<tbody>
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<td>Topo of depressed, stream channel, dunes, flat, hillside, sink, swamp, well site</td>
<td>(D)</td>
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<tr>
<td>MAJOR AQUIFER</td>
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<td>Depth to top of</td>
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<td>Aquifer Thickness</td>
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<td>Intervale Screen</td>
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<td>Depth to consolidated rock</td>
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<td>Source of data</td>
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<tr>
<td>Depth to basement</td>
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<td>Surfiical material</td>
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<td>Infiltration characteristics</td>
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<td>Coefficient</td>
<td>30,000 gpd/ft</td>
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<tr>
<td>Storage</td>
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<td>Coefficient</td>
<td>375 gpd/ft²</td>
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<td>Spec cap</td>
<td>13 gpm/ft</td>
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<td>Number of geologic cards</td>
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See D4 for well loc.
APPLICATION FOR PERMIT TO DIVERT OR WITHHOLD 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.

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<td>Tract No.</td>
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THIS APPLICATION IS FOR (Circle one): NEW PERMIT

THIS APPLICATION IS FOR (Circle one): RENEWAL. PERMIT NO. MS-GW-03240

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 2) Municipal 3) Agricultural 4) Industrial 5) Fish Culture 6) Recreation 7) Institutional (eg. Church, School) 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

(P.O. Box 1898)

(Hattiesburg, MS 39403-1898)

(City) (State & Zip) (Telephone No. 601) 545-4500

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 l/4 of the NE l/4 of Section 15, Township 04 N, Range 13 W, 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-03241, 03242, 03239, and 11694

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO. 180008-08

2. Proposed work will begin on 9/19/2019, and will be completed by 19/60/2019. Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well:
   (a) DEPTH OF WELL: 678 feet DRILLER: Layne Central Company
   (b) SURFACE CASING: Length 680 feet; Diameter 12 inches; Type Steel
   (c) SCREEN: Length 50 feet; Diameter 8 inches; Type Slotted
   (d) PUMP: Type Turbine Size 12" Capacity 1200 gallons per minute; Setting depth 180 feet
   (e) POWER UNIT: Type Electric Size 75 horsepower

4. PERMITTED VOLUME:
   (a) 1200 gallons per year at a maximum rate of
   (b) 1200 gallons per day at a maximum rate of

(Continued on back)
SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from ___________________________________ which drains into ____________________________________________ (major stream or river)

2. 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)

1. 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)

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice_____; Cotton_____; Oats_____; Com_____; 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 ________________

   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?

   Year  | Volume | Year  | Volume | Year  | Volume | Year  | Volume


   (Year) | (Volume) | (Year) | (Volume) | (Year) | (Volume) | (Year) | (Volume)

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 commission expires 8-23-96

Wendie M. Nixon  
Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): C.A. Hornbeck

DATE: 6/28/94

UNIT DEQ #: 82-555

FILE #: C062620A

HEALTH DEPT. #: 180008-08

ELEV.: 146

USGS #: 2-116
DS OLWR #: 3240

OWNER: City of Hattiesburg

LOCATION: NE-NE-NE S 15'T 4N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: AT Back Entrance (Plant #2)

North of Bldgs. / North side of Yard.

Casing Dia: 10'

Pump Type & Size: 75 HP Elec.

GPS FIELD LOCATION: LAT. 31° 18.930 LONG. 89° 16.898

GPS CORRECTED LOCATION: LAT. 31.18.56.240 LONG. 89.16.53.464

REMARKS: GPS at well.