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

MASTER CARD

State: NE

Latitude: 31° 12' 0.9"
Longtitude: 98° 20' 0.9"

Owner or name: HATTIESBURG

Use of Water:

Well:

DATA AVAILABLE:

Qual. water data:

FREQ. SAMPLING:

APERTURE CARDS:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well:

Casing:

Finish:

Method:

Date:

Driller:

Lift:

Power:

Descrip.:

Alt. LSD:

Water Level:

Date meas:

Drawdown:

QUALITY OF WATER DATA:

Sp. Conduct:

Taste, color, etc.

Well No. 81

Sequential number:

Well data

Pumpage inventory:

No. period:

Field aquifer char.

Hyd. lab. data:

Qual. water data:

Type:

MSEN Complete 6-19-59

Freq. W/L meas:

Fog. W/L meas:

Owner or name:

Establishment:

Use of:

Use of:


Well:

Hyd. infl.:

Hyd. outflow:

Volume:

Transfer or meter no:

Deep Shallow

Lift:

Power:

diesel

gas, gasoline, hand, gas, wind; H.P.

Descrip.:

Alt. LSD:

Water Level:

above L.S.D., Alt. NP:

Accuracy:

Method determined:

Accuracy:

Accuracy:

Accuracy:

Accuracy:

Accuracy:

Accuracy:

accuracy:

accuracy:
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE OF 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) 925-6200

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

<table>
<thead>
<tr>
<th>Issue: 3-31-86</th>
<th>Expires: 3-31-96</th>
<th>Fee Paid: X</th>
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<td>Permit No.</td>
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<tr>
<td>Lat: 31.21.12</td>
<td>Long: 89.19.54</td>
<td>Elev: 155</td>
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<td>Quad: Hattiesburg</td>
<td>ASCS Farm No.</td>
<td>STAC.</td>
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<td>Aquifer:</td>
<td>Tract No.</td>
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<td>Remarks:</td>
<td>Dam Inv. No.</td>
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THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. MS-GW-0323

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) Irrigation
2) Industrial 3) Recreational 4) Livestock 5) Commercial
3) Fish Protection 4) Municipal, Rural Water, or Private Water 5) Fish Production
6) Irrigation (eg. Church, School) 7) Livestock 8) Flood Protection
9) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER:
City of Hattiesburg
Name: 64-60000432
Address: P.O. Box 1898
City: Hattiesburg, MS 39403-1898
State & Zip: (601) 545-4500

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

SAME:
Name: (SSN or Tax ID No.)
Address: (City) (State & Zip) (Telephone No.)

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

NE1/4 of the SE1/4 of Section 31, Township 06 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-03234, 03235, 03236, 03237, 03238, 11848, 11849

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-04

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___

Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 450 feet, DRILLER: Carlos Well Supply
(b) SURFACE CASING: Length 380 feet, Diameter 12 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 140 feet
(e) POWER UNIT: Type Electric Size 75 horsepower

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

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  Smoothed

   B. Land Condition (circle one): Precision Land Formed  Smoothed  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? __________


   (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 Hattiesburg, Notary Public.

My commission expires 3-23-96

Melinda F. Mixon, Notary Public
NOTICE OF CLAIM FOR CONTINUED USE OF SURFACE/GROUND WATERS FOR BENEFICIAL USE

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner,

City of Hattiesburg

P. O. Box 1898

Hattiesburg, MS 39401

(surface water) do hereby file claim for the continued use of: (circle one) surface water or ground water for the following beneficial use: (circle one or more)

municipal; irrigation; recreation; livestock water; fish culture; industrial;

Other

(Specify)

1. Name & Address of agent or applicant if different from landowner.

__________________________

(Name)

__________________________

(S/S or Tax ID No.)

__________________________

(Address)

__________________________

(City or Town)

__________________________

(State and Zip)

__________________________

(Telephone Number)

2. Location of point of diversion/withdrawal (include location map with claim)

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

3. Volume of water diverted/withdrawn:

(1) _______ acre feet per year, diverted/withdrawn at a maximum rate of _______ gallons per minute; or

(2) _______ million gallons per day, diverted/withdrawn at a maximum rate of _______ gallons per minute.

4. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary City of Hattiesburg Water System

(b) Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s) NA) Describe the nature and amount of any additional supply

__________________________

__________________________

__________________________

__________________________

SECTION A (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number _______________________, dated _______________________

2. Source of supply is _______________________, which drains into _______________________, which drains into _______________________

3. Description of diversion works:

(a) Water obtained directly from stream:

Pump _______________________, Power Unit _______________________, Lift _______________________, ft. Maximum capacity _______________________, gpm

(b) Storage reservoir _______________________, which drains into _______________________, Height of dam _______________________, Surface area at normal pool _______________________, acres

Storage capacity at normal pool _______________________, acre feet
SECTION B (to be completed if source of water is from underground supply)

1. Source of supply: [ aquifer(s) ]

2. Description of water well:
   (a) Well data:
      (1) Date well completed 1952
      (2) Depth drilled 450 feet
      (3) Type of completion NA
      (4) Surface elevation 161 feet
   (b) Screen data:
      (1) Depth to bottom 465 feet
      (2) Length 85 feet
      (3) Diameter 8 inches
      (4) Type Slotted
      (5) Slot .08 inches
   (c) Casing data:
      (1) Length(s) 380 feet;
      (2) Type Wrought Iron
   (d) Pump data:
      (1) Type & Size Floway, 10" Turbin
      (2) Capacity 1000 gpm
      (3) No. stages 9
      (4) Setting depth 140 feet
      Well Driller Carlos Well Supply
      (Name of Company)

WATER USE DATA

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

<table>
<thead>
<tr>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>SEC.</th>
<th>NE%</th>
<th>NW%</th>
<th>SW%</th>
<th>SE%</th>
<th>TOTALS</th>
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(b) List the acres to be irrigated: Rice: Cotton: Corn: Pasture: Truck: Other crops: acres.

2. If for MUNICIPAL use: (a) Present population 41962 (based on 1982 Census)
   (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years: 3.0 MGD 1986; 10.29 MGD 1991; 11.53 MGD 1996; 12.91 MGD 1996

3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year rate of release; location of release point in reference to diversion point (show location on map)

(b) Explain any change in quality of water to be released:

4. If for RECREATIONAL use: Explain how water will be used

5. If for FISH CULTURE use: (a) Explain in detail how water will be used

(b) Number of times reservoir will be emptied and filled annually:

6. If for ANY OTHER use: (a) Explain in detail

REMARKS

List below the name and address of person to be contacted for additional information, if required.

Robert West
P. O. Box 1898
Hattiesburg, MS 39401

The accompanying map is hereby declared a part of this application.

(Signature)

Subscribed and sworn to before me this 17th day of May 1986 at Hattiesburg, Mississippi. My commission expires March 18, 1988

Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): CA Hornbeak

DATE: 6/28/94

UNIT DEQ #: 82555

FILE #: C062823B

HEALTH DEPT. #: 180008-04

ELEV.: 155

USGS #: Z-13

OLWR #: 3233

OWNER: City of Hattiesburg

LOCATION: SE-NE-SE-1 T 5 N R 13 W

COUNTY: Forrest

LOCATION DESCRIPTION: N of Old Pump Station, which is 3/10 mi.

North of main water works Bldg. (Plant #1)

CASING DIA: 16" PUMP TYPE & SIZE: Sub. Pump.

GPS FIELD LOCATION: LAT. 31° 21.193 LONG. 89° 19.884


REMARKS: GPS at well.