MASTER CARD

Record by: [Blank]  
Source of data: [Blank]  
Date: [Blank]  
Map: [Blank]

State: [Blank]  
County: [Blank]  
Latitude: 31° 21' 05" N  
Longitude: 087° 19' 11" W  
Sequential number: 3  
Local number: [Blank]  
Owner or name: [Blank]

Ownership: [Blank]  
Use of well: [Blank]  
Use of water: [Blank]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well: 14.50  
Depth cased: 25 ft  
Casing type: [Blank]  
Drilled: [Blank]  
Date drilled: 11/30  
Method drilled: [Blank]  
Driller: Carlos Co  
Driller's address: Memphis, Tenn.

Lift: [Blank]  
Power: [Blank]  
Power (type): [Blank]  
Describe: [Blank]  
Alt. LSD: 160  
Accuracy: [Blank]

Water level: above LSD, Alt. MP  
Date measured: 10/55  
Yield: 953  
Accuracy: [Blank]

Drawdown: [Blank]  
Quality of water data: [Blank]  
Sp. Conduct: K x 10^-6  
Taste, color, etc.: [Blank]
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): CA Newbark

DATE: 6/28/44

UNIT DEQ #: 82555

FILE #: C062823A

HEALTH DEPT. #: 180008-01

ELEV. 200

USGS #: 2-110 84 923

OLWR #: 3234

OWNER: City of Hattiesburg

LOCATION: NE-S E S 31 T 5N R 13W

COUNTY: Forrest

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

REMARKS: GPS at well.

31.353403

89.331156
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) 997-5970

THIS APPLICATION IS FOR (Circle one): NEW PERMIT 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, etc.) 7) Commercial (eg. Hotel, Casino,
8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)
LANDOWNER: City of Hattiesburg
(Name)
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

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

Does the land on 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:

SECTION B (to be completed for GROUNDWATER SOURCE)
1. AQUIFER: Catahoula
2. Proposed work will begin on , 19 , and will be completed by , 19 . If well has already been drilled, when was well completed (date)?
3. Description of proposed or completed well:
(a) DEPTH OF WELL: 607 feet, DRILLER: Carlos Wells 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) 24,397,540 gallons per year at a maximum rate of 1000 gallons per minute
(b) 8,314,710 gallons per day at a maximum rate of 1000 gallons per minute

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
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 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. __________

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
   Choose "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? 9.2 MGD (Volume) 2001; 10.6 MGD (Year) 2006; 12.2 MGD (Volume) 2011; 14.0 MGD (Year) 2016

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, 1990, at Hattiesburg, County of Forrest

My commission expires 8-23-96

Notary Public