

Coded By 09/01/09  
Checked By 028 12-23-91  
Entered By LSC  
Date 12/19/91

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 179  
County LAMAR  
Agency

Well No. E223

WELL RECORD

Hattiesburg  
Quad

Agency Code: UISGIS Site Id: 131119370892222011 Project No.: 54

Station Name: 12 E223 HATTIESBURG Latitude: 9 31 19 37 Longitude: 10 09 19 22 22

Lat/Long Ac.: 11 S F T M Dist: 6=28 State: 7=28 County: 8 07 13 Land Net: 13 NW 1/4 Sec 11 T10N R11E W1/2

Location Map: 14 HATTIESBURG Altitude: 235 Met/Meas: 17 A L M Accuracy: 18 15 Hydrologic Unit: 20 103117101014

Agency Use: 803 4 1 0 Date Inventoried: 7/11/01 / 1/16 / 1/19/91 Station Type: 4 Data Type: 804

Instr.: 805 Remarks: 806 Relia.: 3 C M U 26 X

Date of Construction: 21 08 / 23 / 11 99 Well Use: 23 W Water Use: 24 P Primary Aquifer: 714 1 Z Z C T H L M Hole Depth: 27 19 15 *using mocw 11/01*

Well Depth: 28 17 10 Water Level: 30 11 10 Water Level Date: 31 10 / 11 16 / 11 99 Method: 34 Status: 37 Source: 33 S

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date: 60 08 / 23 / 11 99 Contractor: 63 06 4 Name: Layne Method: 65 H Finish: 66 G

CONSTRUCTION CASING DATA

R	T	#	Top/Casing	Bot/Casing	Diameter
76	A	725#1	59#1 77 11 01	78 16 65	79 20
76	A	725#2	59#1 77 11 05	78 16 69	79 20

CONSTRUCTION OPENINGS DATA

R	T	#	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
82	A	726#1	59#1 83 16 69	84 17 10	87 11 01	85 S	89	88 10 29
82	A	726#2	59#1 83	84	87	85	89	88

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift type: 47 Date: 30 09 / 23 / 11 99 Intake: 44 12 25

Power: 47 H.P.: 40 Serial No.: 47

MISCELLANEOUS OWNER DATA

Date of Ownership: 159 08 / 23 / 11 99 Owner Name: 161 HATTIESBURG

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No.: 190 17 9 Assigner: 191 M I S S I S S I P P I



**LAMAR**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**  
Bureau of Land and Water Resources

P. O. Box 10631  
Jackson, MS 39289-0631  
**WATER WELL DRILLERS LOG**

COUNTY WELL LOCATED <b>Forrest</b>		PERMIT NUMBER <b>#MS-GW-12986</b>
WELL NUMBER <b>E223</b>	CODED <input checked="" type="checkbox"/>	NAME OF DRILLING FIRM <b>Layne-Central Co.</b>
DATE WELL COMPLETED <b>Sept. 24, 1990</b>		

NAME & MAILING ADDRESS OF LANDOWNER <b>City of Hattiesburg</b> <b>P.O. Box 1898</b> <b>Hattiesburg, MS 39403</b>		
WELL LOCATION: SEC	TOWNSHIP	RANGE
<b>11</b>	<b>4 N</b>	<b>14 W</b>
DISTANCE	DIRECTION	NEAREST TOWN
<b>1</b> Miles	<b>W</b>	<b>I-59</b>
OTHER LANDMARK <b>Methodist Hospital</b>		
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Municipal</b>		

PUMP DATA		
PUMP TYPE (Circle One): Submersible, <b>Turbine</b> , Jet, Flowing Well, Other (Describe)		
POWER TYPE (Circle One): <b>Electric</b> , Tractor, Diesel, Gasoline, Butane, Other (Describe) <b>H/P 200</b>		
Pump Capacity (GPM) <b>1500</b>	No. of Stages <b>3</b>	Setting Depth <b>230</b> FT.
PUMP TEST Well yielded <b>1500</b> GPM with a drawdown of <b>43</b> ft. after <b>24</b> hours of pumping		

WELL DATA		
Well Depth <b>794'</b>	Casing Diameter (In.) <b>20"</b>	Casing Length (Ft.) <b>665'</b>
Type of Casing <b>Steel</b>	Hole Depth <b>1000'</b>	Depth to Static Water Level <b>113'</b>
TYPE OF COMPLETION: (Circle One or More): <b>Gravel Packed</b> , <b>Underreamed</b> , Telescoped, Natural Development, Open Hole, Other (Describe)		
Top of Lap Pipe or Reduction in Casing <b>565' FEET</b> IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE		

LOG DATA	
TYPE OF LOG RUN (Circle One): <b>Electric</b> , Gamma Ray, Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log <b>Layne-Central Co.</b>	

SCREEN DATA		
Diameter - Inches <b>10"</b>	Length - Feet <b>121.8</b>	Slot Size - Inches <b>20</b>
Screen Type <b>Stainless Steel</b>		Depth to Bottom - Feet <b>789</b>

GEOLOGIC DATA (Office Use Only)	
Surface Elev.	Top
Subs. SWL	Test
Driller's Remarks <b>JAN 20 1992</b>	
Dept. of Environmental Quality Bureau of Land & Water Resources	

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Yellow Clay	0	26	Sand & Clay streaks	798	815
Blue Clay	26	47	Sand & Lime	815	914
Sand	47	82	Rock	914	918
Clay	82	224	Clay & Lime streaks	918	1000
Sandy Clay	224	316			
Sand & Pea Gravel	316	445			
Sand & Clay	445	550			
Sandy Clay	550	640			
Sand	640	675			
Sand & Clay streaks	675	690			
Sand	690	798			

IF MORE SPACE IS NEEDED, USE BACK



DISG 11311

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI AUG 24 2000

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 835-7300

This box is for office use only.

11-14-00 AGN

Mississippi Department of Environmental Quality 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, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-12986

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 39401 (601) 545-4540 (City, State & Zip, Telephone No.)

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

(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): SW 1/4 of the NE 1/4 of Section 11, Township 4N, Range 14W, County Lamar

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.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-16

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_. If well has already been drilled, when was well completed (date)? August 16 9-24, 19 90. Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well: (a) DEPTH OF WELL: 794 feet. DRILLER: Layne Central (b) SURFACE CASING: Length 665 feet; Diameter 20 inches; Type Steel (c) SCREEN: Length 121.8 feet; Diameter 10 inches; Type Wirewound STAINLESS STEEL (d) PUMP: Type Turbine; Size 15"; Capacity 1500 gallons per minute; Setting depth 224.7230 feet (e) POWER UNIT: Type Electric; Size 200 horsepower

4. PERMITTED VOLUME: \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute \_\_\_\_\_ million gallons per day at a maximum rate of 1500 gallons per minute

9-8-00

1.18

1.05

(CONTINUED ON BACK)

1500

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 15,500
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 2005 9.5 MGD 2010 9.8 MGD 2015 10.1 MGD 2020
(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]
(Signature)

Subscribed and sworn to before me this 2nd day of August 2000 at Hattiesburg County of Forrest
My commission expires My Commission Expires April 27, 2002 Karen A. Courtney Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg  
quad.

GPS LOG

USER NAME(S): CA. Hornbeak DATE: 6/29/94

UNIT DEQ #: 82555 FILE #: C062918A

HEALTH DEPT. #: 180008-16<sup>v</sup> No Tag ELEV. \_\_\_\_\_

USGS #: Z-122 E223 <sup>Lamar Co.</sup> OLWR #: GW12986

OWNER: City of Hattiesburg

LOCATION: SW-SE-NW S 11 T 4N R 14W COUNTY: Lamar

LOCATION DESCRIPTION: AT Elev. Tank on Weathersby Rd 4/10 mi.  
N of Hwy 98. / NE of New Mall / NW of Methodist Hospital.

CASING DIA: 20" PUMP TYPE & SIZE: 200 HP Elec.

GPS FIELD LOCATION: LAT. 31° 19.700 LONG. 89° 22.365

GPS CORRECTED LOCATION: LAT. 31 19 41.656 LONG. 89 22. <sup>20.581</sup> ~~581~~

REMARKS: GPS at well. 31.328238 89.372384

Note: I assigned this # on basis of description on new printout. Description called this the Methodist Hospital well

Pat 10/17/97

