GW11848 DOH # 180008-15

Coded By Q 6/90
Checked By 11-25
Entered By 12-91
Date 3/95

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 207
County FORREST
Agency

Well No. B129

312 D

Hattiesburg Quad

WELL RECORD

Agency Code: USGS
Site Id: 1=311211018101819111914101111
Project No. 5=
Station Name: 12=B129 HATTIESBURG
Latitude: 9=311211618
Longitude: 10=0181911191411
Lat/Long Ac.: 11=(S) F T M
Dist: 6=28
State: 7=28
County: 8=03151
Land Net: NESW 13=NESE S31 T105N R13W
Location Map: 14= HATTIESBURG
Altitude: 16=1951
Met/Meas: 17=A L(M)
Accuracy: 18=151
Hydrologic Unit: 20=03170010104
Agency Lse: 803=A I(O)
Date Inventoried: 711=01610511191901
Station Type: 4=Y
Data Type: 804=
Instru.: 805=
Remarks: 806=
Relia.: 3=(C) M U
2=(W) X
Date of Construction: 21=10111511199111
Well Use: 23=W
Water Use: 24=P
Primary Aquifer: 714=12120TH LIM
Hole Depth: 27=17315
Well Depth: 28=1634
Water Level: 30=1171
Water Level Date: 31=10111511991101
Method: 34=
Status: 37=
Source: 33=D

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date: 60=10111511991101 Contractor: 63=1814 Name: Griner Method: 65=H Finish: 66=G

CONSTRUCTION CASING DATA

R	T			Top/Casing	Bot/Casing	Diameter
R=76	T=A	725#1	59#1	77=1101	78=1591	79=210
R=76	T=A	725#2	59#1	77=1531	78=1599	79=10

CONSTRUCTION OPENINGS DATA

R	T			Top/Depth	Bot/Depth	Diameter	Type	Length	Width
R=82	T=A	726#1	59#1	83=1599	84=1634	87=10	85=S	89=	88=
R=82	T=A	726#2	59#1	83=	84=	87=	85=	89=	88=

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43=T Date 38=10111511991101 Intake 44=11815

Power 45=EL H.P 46=125 Serial No. 49=

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159=10111511991101 Owner Name 161=HATTIESBURG

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190=2107 Assigner 191=MISSISSIPPI

Well #8 @ PLT. 1

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 193= / /	Aquifer Sampled 195=	Temp 196#00010	Value 197=
R=192	T=A	738#2	Date of Measurement 193= / /	Aquifer Sampled 195=	Sp Cond 196#00095	Value 197=
R=192	T=A	738#3	Date of Measurement 193= / /	Aquifer Sampled 195=	pH 196#00400	Value 197=

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199=E	Beg. Depth 200= 150	End Depth 201= 1735
R=198	T=A	739#1	Log Type 199=	Beg. Depth 200=	End Depth 201=

MISCELLANEOUS NETWORK DATA 706 = WL, QW, WD*

R=114	T=A	730#1	Beg. Year 115=	End Year 116=	120=A	Agency Source 117#	Freq. 118=
R=121	T=A	730#2	Beg. Year 115=	End Year 116=		Agency Source 117=	Freq. 118=

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1*	Date of Remarks 184= / /	Remarks 185=

DISCHARGE DATA

R=146	T=A*	Pump/ Flow	147#1	Date 148= 10/15/1991	Type 703= (P) F	Discharge 150= 150101	Sp. Capacity 272=

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91= 595	Depth Bot. 92= 618	Unit Id 93= 122KTH4M	304=P

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100=	103=

(Well #8 @ PLT #1)

RECEIVED
JAN 21 1999
Dept of Environmental Quality
Office of Land & Water Resources

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 0631, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only. 3-23-99 AGN. FORM OLWR-AP-2 (REV. 9/94)

Issued: 4-25-89	Expires: 3-23-2009	Fee Paid: X	Permit No.
Lat. 31 21 04	Long. 89 19 58	Elev. 210	USGS No. B128 B129 Pat 12/2000
Quad. HATTIESBURG	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: MIOCN	Tract No.		Basin No. 03170004
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS_GW-11848

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) 64-6000-432 (SSN or Tax ID No.)

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):

(Name) (SSN or Tax ID No.)

map sent

(Address)

(City) (State & Zip) ( ) - (Telephone)

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

SE 1/4 of the SE 1/4 of Section 31, Township 5N, 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-03233.03234,03235,03236,03237,03238,11849

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene DLH MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-15 Unknown Pat 12/00

2. Proposed work will begin on _____, 19____; and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? October, 19 91. Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 355' feet. DRILLER: Griner Drilling Service
(b) SURFACE CASING: Length 350' feet; Diameter 20" inches; Type Welded
(c) SCREEN: Length 87.2' feet; Diameter 10" inches; Type Wirewound
(d) PUMP Type Turbine; Size 14; Capacity 1500 gallons per minute; Setting depth 145' feet
(e) POWER UNIT: Type Electric; Size 100 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) ~~1.18~~ 0.99 million gallons per day at a maximum rate of 1500 gallons per minute

(CONTINUED ON BACK)

0.58

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 nornal 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 15,600
   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? 9.1 MGD (Volume) 2003 (Year); 9.4 MGD (Volume) 2008 (Year); 9.7 MGD (Volume) 2013 (Year); 10.0 MGD (Volume) 2018 (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 8th day of January, 19 99, a City of 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): C.A. Hornbeak DATE: 6/28/94

UNIT DEQ #: 82555 FILE #: C062822A

HEALTH DEPT. #: 180008-15 ELEV. 210

USGS #: 2121 B129 OLWR #: 11848

OWNER: City of Hattiesburg

LOCATION: NW-NE-SE S 31 T 5N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: 1/10 mi. NW of Main Water Works Bldg. (Plant #1), which is 3/10 mi. NE of Intersection of Hwy 42 & Hwy 49.

CASING DIA: 20" PUMP TYPE & SIZE: 125 HP Elec.

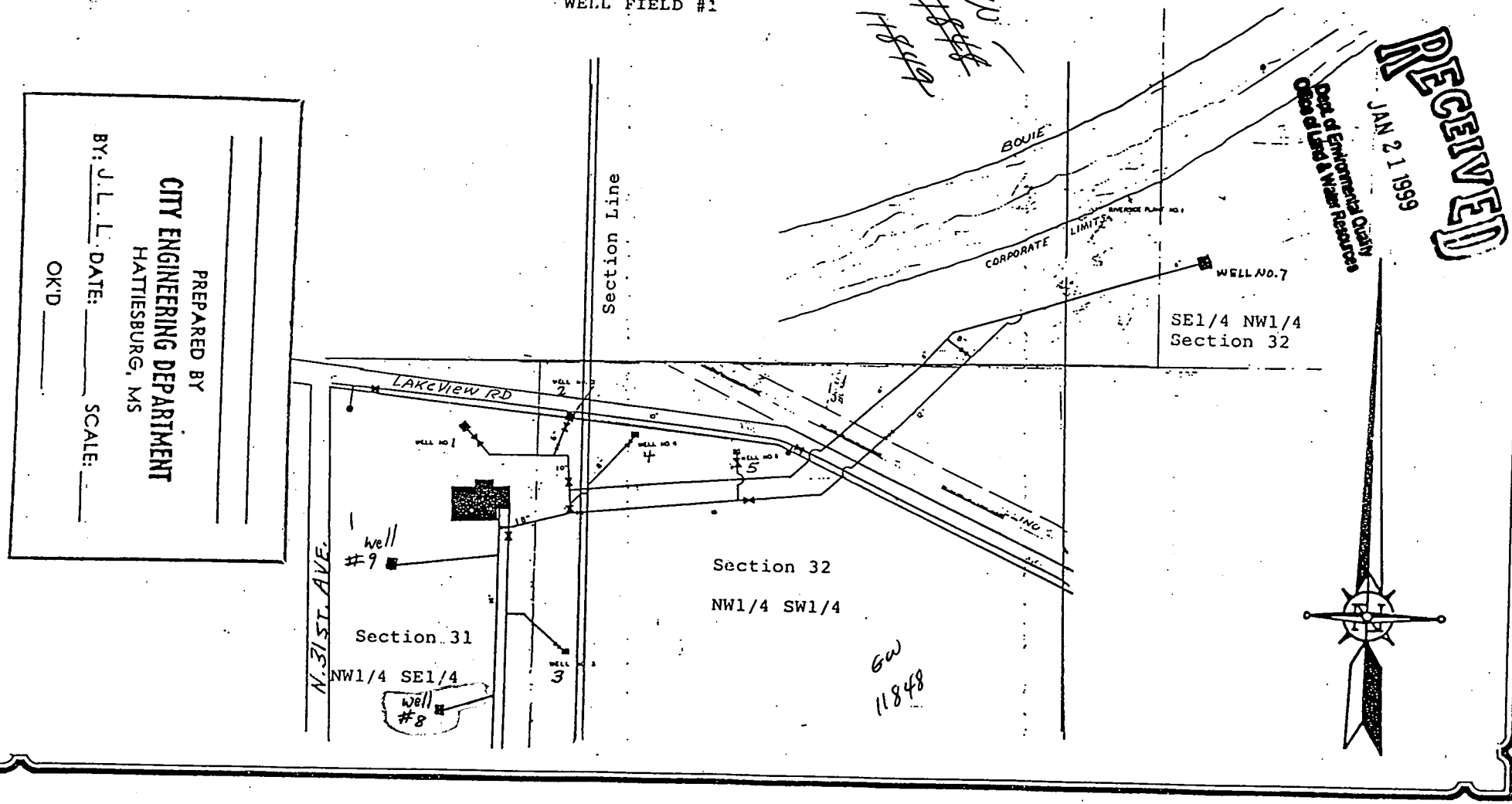
GPS FIELD LOCATION: LAT. 31° 21.066 LONG. 89° 19.973

GPS CORRECTED LOCATION: LAT. 31 21 04.657 / 31.351297 LONG. 89 19 57.808 / 89.332727

REMARKS: GPS at well.

CITY OF HATTIESBURG
WATER DEPARTMENT
WELL FIELD #1

GW 11848 11849



PREPARED BY
CITY ENGINEERING DEPARTMENT
HATTIESBURG, MS

BY: J. L. L. DATE: _____ SCALE: _____

OK'D _____

OR


R. 14 W.
R. 13 W.
277
278
20'
LAUREL 24 MI.
MOSELLE INTERCHANGE 9 MI.
3146 IV NE
(EASTABUCHIE)
Mammoth Springs
BOWIE
Gravel Pit
BR 171
RIVER
PIT
Trailer Park
GRAVEL PITS
HATTIESBURG
CORP BDY
ILLINOIS
CENTRAL
GULF
Jones Cem
BR 166
Riverside
Substa
Claypits
Radio Tower
Cem
Creek
Tr Pk
Radio Tower
Binai Israel Cem
Highland Cem
BM 224
Roseland Park Cem
Radio Tower (WFOR)
BR 202
BM 186
Trailer Park
MONTAGUE BLVD
UNIVERSITY OF SOUTHERN MISSISSIPPI
PEARL ST
HARDY ST
LANE
ARLINGTON
LOOP
QUINN
O'FERRALL
CAMP ST
High Sch
Jaycee Park
Kamper Park
Woodley Sch
CONCART
HARDY
ORREST CO
AMAR CO