

Coded By 0.5/90
Checked By J. J. O. 12-95
Entered By J. J. O. 12-95
Date 12/95

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 206
County FORREST
Agency

Well No. B128

Hattiesburg
Quad

WELL RECORD

Agency Code U S G S		Site Id 1311211120892005011				Project No. 5111111111			
Station Name 12 B128 HATTIESBURG						Latitude 9 311211121		Longitude 10 0891210151	
Lat/Long Ac. 11 (S) F T M		Dist 6=28	State 7=28	County 8 035	NW/NE Land Net 13 NE 1/4 S 31 T 05 S R 13 W 2				
Location Map 14 HATTIESBURG			Altitude 16 11801		Met/Meas 17 A L M	Accuracy 18 151	Hydrologic Unit 20 031170101011		
Agency Use 803 A I O		Date Inventoried 711 / / / / / / / /			Station Type J / / / / Y		Data Type 804 / / / / / / / / / /		
Instru. 805	Remarks 806 / / / / / / / / / / / / / /				Relia. 3 C L M U	2 X			
Date of Construction 21 05 / 26 / 1990		Well Use 23 M	Water Use 24 P	Primary Aquifer 714 22 G T H L U		Hole Depth 27 17611			
Well Depth 28 11917	Water Level 30 150	Water Level Date 31 10 / 05 / 1991		Method 34 /	Status 37 /	Source 33 N			

CONSTRUCTION DATA

Construction Date R=58 T=A 723#1		Contractor 60 10 / 05 / 1991		Name Griner		Method 65 H	Finish 66 G
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CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	77 1101	78 13501	79 219	R=76 * T=A * 725#3 * 59#1 * 77#421 * 78=475 * 79=10 *
R=76	T=A	725#2	59#1	77 121917	78 13581	79 1101	

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	83 13581	84 14211	87 1101	85 S	89 / / /	88 102101
R=82	T=A	726#2	59#1	83 147151	84 14917	87 1101	85 S	89 / / /	88 102101

CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type 43 T	Date 38 10 / 05 / 1991		Intake 44 1145	Well #9 Plant #1		
Power 45 E	H.P. 46 1100	Serial No. 49 / / / / / / / / / /							

MISCELLANEOUS OWNER DATA

Date of Ownership R=158 T=A 718#1		159 10 / 05 / 1991		Owner Name 161 HATTIESBURG					
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MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	190 2101	E-Log No. Assigner 191 M I S S I D I S T					
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13 87

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	Temp 196#00010	Value 197# .
R=192	T=A	738#2	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	Sp Cond 196#00095	Value 197# .
R=192	T=A	738#3	Date of Measurement 1934 / / .	Aquifer Sampled 195# .	pH 196#00000	Value 197# .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E	Req. Depth 200# 50 .	End Depth 201# 76 .
R=198	T=A	739#1	Log Type 199# .	Req. Depth 200# .	End Depth 201# .

MISCELLANEOUS NETWORK DATA *TOG = WL, QW, WD**

R=114	T=A	730#1	Req. Year 115# 9 .	End Year 116# 9 .	Agency Source 120=A 117# .	Freq. 118# .
R=121	T=A	730#2	Req. Year 115# 9 .	End Year 116# 9 .	Agency Source 117# .	Freq. 118# .

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# / / .	Remarks 185# .
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 10 / 10 / 1991 .	Type 703# P	Discharge 150# 1500 .	Sp. Capacity 272# .
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# 358 .	Depth Bot. 92# .	Unit Id 93# 22CCTHILM	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# .	103# .
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Well #9, PLT #1

RECEIVED

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI
JAN 21 1999

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
10631, 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: <u>4-25-89</u>	Expires: <u>3-23-2009</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31 21 11</u>	Long. <u>89 20 06</u>	Elev. <u>180</u>	USGS No. <u>B128 Pat 12/2000</u>
Quad. <u>HATTIESBURG</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>MOCN</u>	Tract No.		Basin No. <u>03170004</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-11849

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

P.O. Box 1898
(Address)

Hattiesburg, MS 39403-1898 (601) 545-4500
(City) (State & Zip) (Telephone No.)

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

(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 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-03234, 03233, 03235, 03236, 03237, 03238, 11848

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene DLH MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-15 Pat 12/2000

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, 1991. Under whose name was well originally drilled (if known)? City of Hattiesburg

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 600' feet. DRILLER: Griner Drilling Services

(b) SURFACE CASING: Length 590' feet; Diameter 20" inches; Type Welded

(c) SCREEN: Length 80.8' feet; Diameter 10" inches; Type Wirewound

(d) PUMP: Type Turbine; Size _____; Capacity 1500 gallons per minute; Setting depth 185' feet

(e) POWER UNIT: Type Electric; Size 125 horsepower

4. PERMITTED VOLUME:

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) 1.18 0.97 million _____ gallons per day at a maximum rate of 1500 gallons per minute

(CONTINUED ON BACK)

8-58

1500

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SECTION C (to be completed for SURFACE WATER SOURCE)

- Source of water is from _____ which drains into _____ which drains into _____ (major stream or river)
- 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)

- 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)

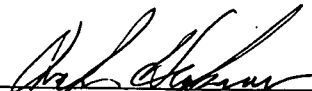
- IRRIGATION: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Oats _____; Corn _____; Soybeans _____; Pasture _____; Truck _____; Wheat _____; Grain Sorghum _____; Other (specify) _____ Acres _____
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
B. Land Condition (circle one) - Precision Land Formed Smoothed
C. ASCS Farm No. _____ Tract No. _____
- FISH CULTURE: Explain how water will be used: _____
How often will reservoir (s) be emptied and refilled? _____
- 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	2003	9.4 MGD	2008	9.7 MGD	2013	10.0 MGD	2018
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)
- 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? _____
- RECREATION: Explain how water will be used: _____
- OTHER USE: Explain in detail (if needed, attach another page): _____
- 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, at 24th County of Forest
My commission expires My Commission Expires April 27, 2002 Karen A. Courtney Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg
quadr.

GPS LOG

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

UNIT DEQ #: 82555 FILE #: C062914A

HEALTH DEPT. #: *180008-14 (No Tag) ELEV. 180

USGS #: Z-120 B128 OLWR #: 11849

OWNER: City of Hattiesburg

LOCATION: ^{SE}-NE-SE S 31 T 5N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: 2/10 mi. west of old Pump Station on dim
gravel road Through woods.

CASING DIA: 20" PUMP TYPE & SIZE: 100 HP Elec.

GPS FIELD LOCATION: LAT. 31° 21.177 LONG. 89° 20.083

GPS CORRECTED LOCATION: LAT. 31 21 12.265 LONG. 89 20 04.449

REMARKS: GPS at Well.
31.353407 89.334569

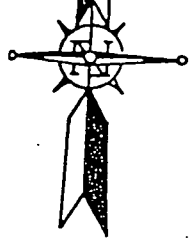
Well is about 4yrs old.

* Note: I assigned this # on basis of description on new printout. Description called this Well 9, Plant 1

RECEIVED

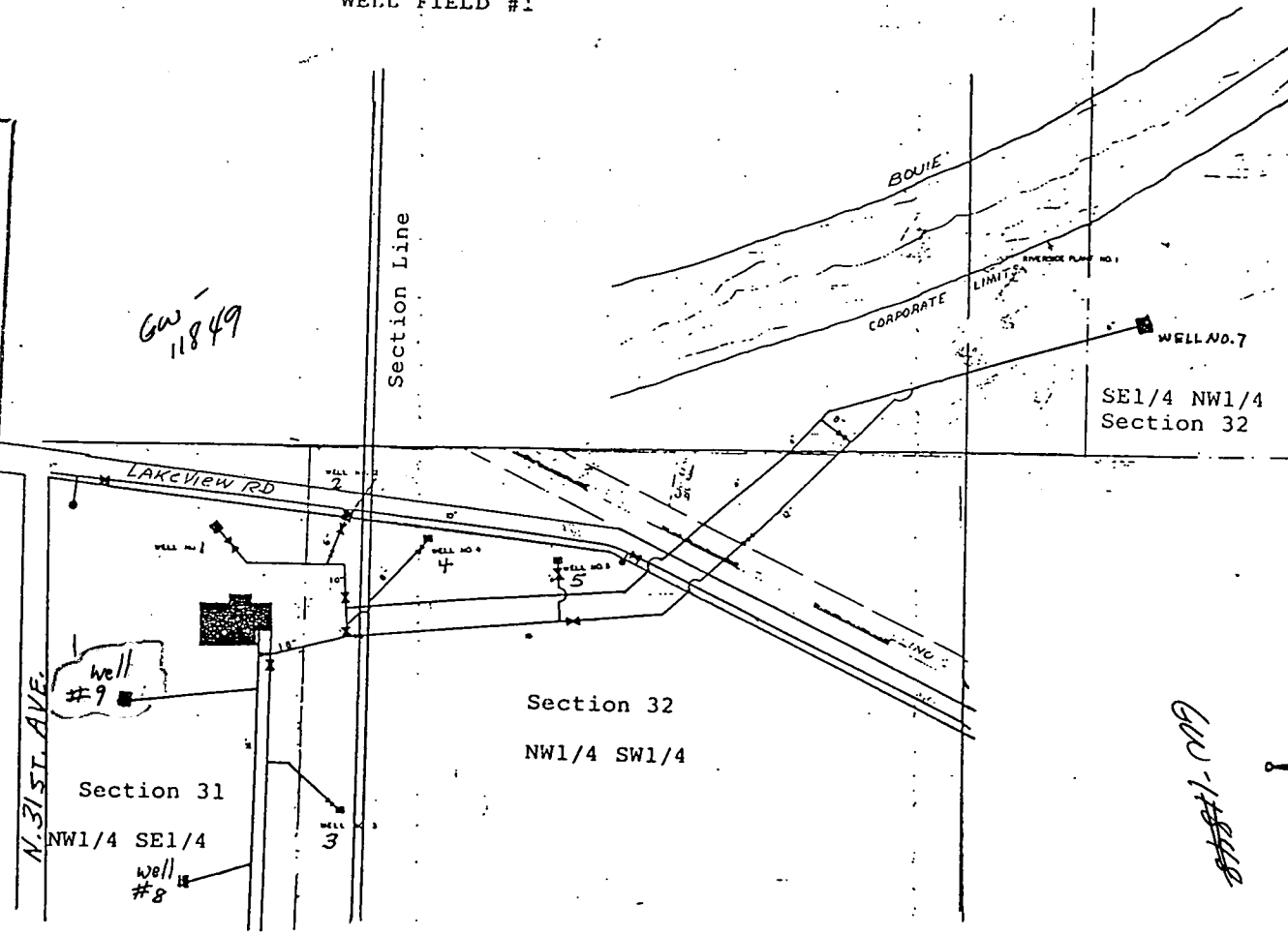
JAN 21 1999

Dept. of Environmental Quality
Office of Land & Water Resources



GW-11849

CITY OF HATTIESBURG
WATER DEPARTMENT
WELL FIELD #1



GW-11849

PREPARED BY
CITY ENGINEERING DEPARTMENT
HATTIESBURG, MS

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

OKD _____

OR

11. INGS 0.6 MI. R. 14 W. R. 13 W. 277 278 20' LAUREL 24 MI. MOSELLE INTERCHANGE 9 MI. 3146 IV NE (EASTABUCHIE)

