

WRD Exp. (GW)
April 1966

PLANNED AND VERIFIED
GEOLOGICAL INVESTIGATION BRANCH

Well No. B7

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by JAC Source of data _____ Date _____ Map Hattiesburg

State 28 County (or town) 18

Latitude: 31^{deg} 21^{min} 15^{sec} N Longitude: 08^{deg} 19^{min} 23^{sec} W Sequential number: 2

Lat-long accuracy: 3^{20'} T 5^{30'} S, R 13^{00'} Sec 32, NE 1 SW 1

Local well number: B007AC3205N13W Other number: _____ B & M _____

Local use: _____ Owner or name: #1

Owner or name: HATTIESBURG Address: _____

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist 17

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) PS, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (I) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. U

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data: _____

Qual. water data: type: MIBOH Complete 6-19-59

Freq. sampling: Pumpage inventory: yes no period: _____

Aperture cards: _____ yes no

Log data: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 635 Meas. 3

Depth cased; (first perf.) _____ ft 502 Casing type: _____; Diam. 10 in 10

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horis. gallery, (I) open end, (P) perf. (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot, (J) jetted, (P) air percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (Z) other A

Date Drilled: 952 Pump intake setting: _____ ft 139

Driller: Blake more Drly co, New Orleans La

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other 7 Deep Shallow

Power (type): (nat) diesel, elec, gas, gasoline, hand, gas, wind; (LP) 75 Trans. or meter no. _____

Descrip. MP _____ ft above LSD, Alt. MP _____

Alt. LSD: 160.27 Accuracy: 1.60

Water Level _____ ft above MP; Ft below LSD 20 Accuracy: _____

Date meas: 8/55 Yield: _____ gpm 908 Method determined _____

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs _____

QUALITY OF WATER DATA: Iron 1 ppm Sulfate 6.6 ppm Chloride 2.0 ppm Hard. 42 ppm

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Date sampled 6-19-59 659

Taste, color, etc. _____

Well No.

B7

Well No. 1

Latitude-longitude d m s N S d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: 03 Section: _____

Drainage Basin: D 13N Subbasin: _____

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat 7

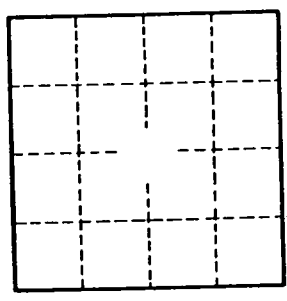
MAJOR AQUIFER: Tertiary system Miocene series TM aquifer, formation, group CA Aquifer Thickness: _____ ft

Lithology: US Origin: B Length of well open to: _____ ft Depth to top of: _____ ft

MINOR AQUIFER: _____ system _____ series _____ aquifer, formation, group _____ Aquifer Thickness: _____ ft

Intervals Screened: _____
Depth to consolidated rock: _____ ft Source of data: _____
Depth to basement: _____ ft Source of data: _____
Surficial material: _____ Infiltration characteristics: _____
Coefficient Trans: _____ gpd/ft Coefficient Storage: _____
Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

See B6 for loc.



Well No. B7

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg
quad.

GPS LOG

USER NAME(S): C.A. Hornbeck DATE: 6/28/94

UNIT DEQ #: 82555 FILE #: C062900A

HEALTH DEPT. #: 180008-03 ELEV. 153

USGS #: 2-112 B7 OLWR #: 3238

OWNER: City of Hattiesburg

LOCATION: NW-NE-SW S 32 T 5N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: ON Lake at Police Pistol Range, which

(Lakeview Rd)
is 4/10 mile SE of Old Pump Station, which
is 3/10 mile N of main water works Bldg (Plant #1)
PUMP TYPE & SIZE: 75 HP Elec.

CASING DIA: 16"

GPS FIELD LOCATION: LAT. 31° 21.246 LONG. 89° 19.544

GPS CORRECTED LOCATION: LAT. 31.3543008 LONG. 89.325797

REMARKS: GPS at well

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW ^{Plant #1} Well #7
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) 961-5202

APR 05 1996

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

Issued: <u>8-26-86</u>	Expires: <u>8-26-2006</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31-21-16</u>	Long. <u>89-19-31</u>	Elev. <u>153</u>	USGS No. <u>B7</u>
Quad. <u>Hattiesburg</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer:	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-032 38

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 64-6000432
 (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):
SAME
 (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):
SE 1/4 of the NW 1/4 of Section 32, Township 05 N, 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, 11848, 11849

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008- 03

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

3. Description of proposed or completed well:
 (a) DEPTH OF WELL: 715 feet. DRILLER: Carlos Well Supply
 (b) SURFACE CASING: Length 620 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 140 feet
 (e) POWER UNIT: Type Electric; Size 75 horsepower

4. PERMITTED VOLUME :
 (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
 (b) 1.3 38 gpm gpd gallons per day at a maximum rate of 1000 900 gallons per minute

(CONTINUED ON BACK)

1.3

900

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. 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 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**

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?

<u>9.2 MGD</u>	<u>2001</u>	<u>10.6 MGD</u>	<u>2006</u>	<u>12.2 MGD</u>	<u>2011</u>	<u>14.0 MGD</u>	<u>2016</u>
(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 Forrest

My commission expires 8-23-96; Melinda M. Nixon Notary Public.

RECEIVED

APR 05 1996

Dept of Environmental Quality
Office of Land & Water Resources

CITY OF HATTIESBURG
WATER DEPARTMENT
WELL FIELD #1

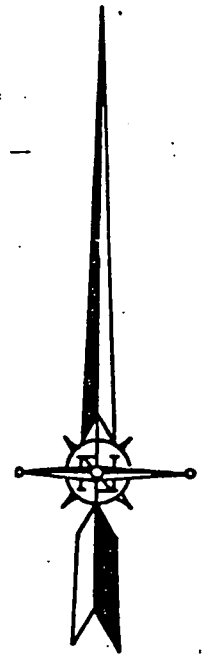
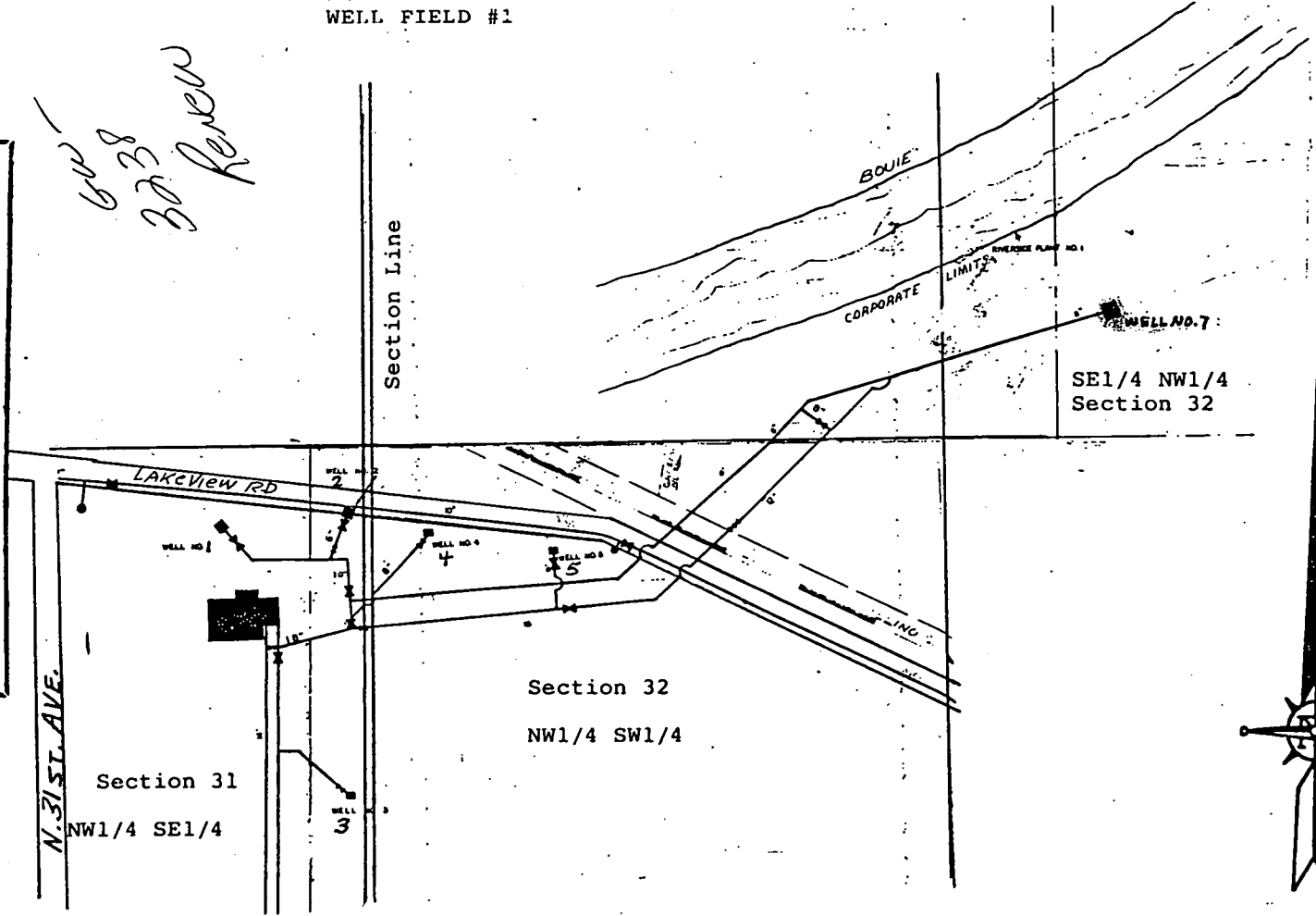
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3733
Review*

PREPARED BY _____

CITY ENGINEERING DEPARTMENT
HATTIESBURG, MS

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

OK'D _____



RECEIVED

APR 12 1988

Office of Land & Water Resources
Dept. of Environmental Control

OR

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

