

GW03233 DOW # 180008-04

WRD Exp. (GW)  
April 1966

PLANNED AND VERIFIED  
WATER INFORMATION DIVISION

Well No. B1

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 21 09 N Longitude: 08 9 20 09 Sequential number: 1

Lat-long accuracy: 3 5 13 W Sec 31, NE SE

Local well number: B001 FD 31 05 N 13 W Other number: #1 well

Local use: 009 366 33 Owner or name: HATTIESBURG

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other C

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

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

Hyd. lab. data: \_\_\_\_\_

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

Freq. sampling:  Pumpage inventory: no. period: \_\_\_\_\_

Aperture cards: \_\_\_\_\_

Log data: \_\_\_\_\_

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 419 ft Meas. 6

Depth cased: (first perf.) 334 ft Casing type: steel; Diam. 10 in

Finish: (C) concrete, (F) porous gravel w. (G) gravel w. (H) horiz. open (I) screen, (S) perf., (T) sd. pt., (W) shored, (X) open hole, (Z) other 5

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

Date Drilled: 947 Pump intake setting: 118 ft

Driller: Carless Well Supply Co. Memphis Tenn

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other 7 Deep 7 Shallow 40

Power (type): diesel, (elec) nat gas, gasoline, hand, gas, wind, H.P. 75 Trans. or meter no. V

Descrip. MP Opening of pump. 2 ft above LSD, Alt. MP 166.01

Alt. LSD: 161.01 Accuracy: (source) 1

Water Level: 10.30 ft above below MP; Ft below LSD 10 Accuracy: 4

Date meas: 4-15-66 Yield: 466 gpm 1065 Method 6

Drawdown: 8.3 ft Accuracy: \_\_\_\_\_ Pumping period: \_\_\_\_\_ hrs

QUALITY OF WATER DATA: Iron 1.0 ppm Sulfate 8.1 ppm Chloride 2.0 ppm Hard. 24 ppm

Sp. Conduct 6 K x 10<sup>6</sup> Temp. 6-19-59 Date sampled 6-19-59

Taste, color, etc. \_\_\_\_\_

Well No.

B1

Latitude-longitude \_\_\_\_\_  
d m 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, stream channel, dunes, flat, hilltop, sink, swamp, (C) (E) (F) (H) (K) (L) (Q) (P) (S) (T) (U) (V) \_\_\_\_\_  
offshore, pediment, hillside, terrace, undulating, valley flat \_\_\_\_\_

MAJOR AQUIFER: Tertiary system, Miocene series, TM aquifer, formation, group, C.A.

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: 130 ft, Depth to top of: 85 ft

MINOR AQUIFER: \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft, Depth to top of: \_\_\_\_\_ ft

Intervals Screened: \_\_\_\_\_

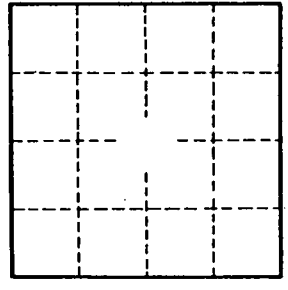
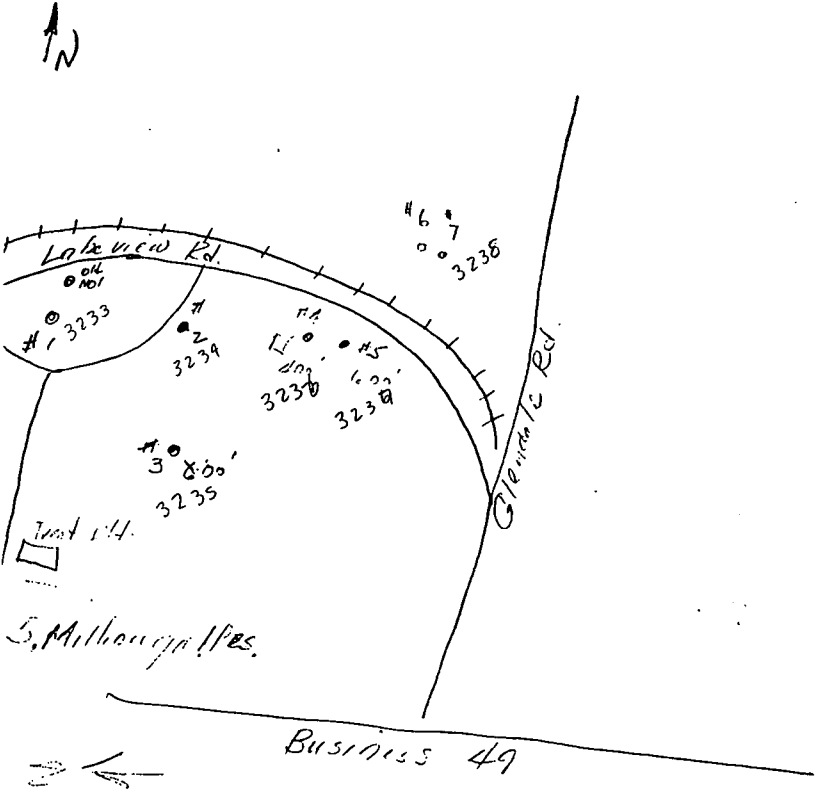
Depth to consolidated rock: \_\_\_\_\_ ft, Source of data: \_\_\_\_\_

Depth to basement: \_\_\_\_\_ ft, Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: 265000 gpd/ft, 264 Coefficient Storage: \_\_\_\_\_

Coefficient Perm: 2040 gpd/ft<sup>2</sup>; Spec cap: 33 gpm/ft; Number of geologic cards: \_\_\_\_\_



Well No. B1

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW WATER FROM THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

**RENEWAL**  
Plant # \_\_\_\_\_  
Well # \_\_\_\_\_

APR 05 1996

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

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

Environmental Quality  
Office of Land & Water Resources  
FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>8-26-86</u>	Expires: <u>8-26-2006</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31-21-12</u>	Long. <u>89-19-54</u>	Elev. <u>155</u>	USGS No.
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-03233

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):

NE 1/4 of the SE 1/4 of Section 31, 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-03234, 03235, 03236, 03237, 03238, 11848, 11849

**SECTION B** (to be completed for GROUNDWATER SOURCE)

- AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-04
- Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.  
 If well has already been drilled, when was well completed (date)? \_\_\_\_\_, 19 52. Under whose name was well originally drilled (if known)? City of Hattiesburg
- Description of proposed or completed well:
  - (a) DEPTH OF WELL: 450 feet. DRILLER: Carlos Well Supply
  - (b) SURFACE CASING: Length 380 feet; Diameter 12 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

- PERMITTED VOLUME:
  - (a) \_\_\_\_\_ million gallons per year at a maximum rate of \_\_\_\_\_ gallons per minute
  - (b) 1.3 million gallons per day at a maximum rate of 1000 914 gallons per minute

*Construction info doesn't match well schedule*

1.3 38 8.21 (CONTINUED ON BACK) 914

**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 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 15,300

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 21<sup>st</sup> day of March, 1996, at Hattiesburg County of Forrest

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

Well #1  
Plan

**RECEIVED**  
MAY - 5 1986

86125

RETURN COMPLETED FORM TO:

Bureau of Land and Water Resources  
P.O. Box 10631  
Jackson, Mississippi 39209  
Telephone (601) 961-5200

For Office Use Only:	
County:	Forrest
Date Received:	5-5-86
Permit No:	115-GW-03233
Quad Map:	
Water Management Dist:	
Hydrologic River Basin:	

Department of Natural Resources  
Bureau of Land & Water Resources

**NOTICE OF CLAIM FOR CONTINUED USE  
OF SURFACE/GROUND WATERS FOR BENEFICIAL USE**

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner, \_\_\_\_\_

City of Hattiesburg (Name) (S/S or Tax ID No.)  
P. O. Box 1898 (Address) Hattiesburg (City or Town) MS 39401 (State and Zip)

( 601 ) 268-8541 (Telephone Number), do hereby file claim for the continued use of: (circle one)

surface water ground water for the following beneficial use: (circle one or more)

municipal; irrigation; recreation; livestock water; fish culture; industrial;

Other \_\_\_\_\_ (Specify)

1. Name & Address of agent or applicant if different from landowner.

Same (Name) (S/S or Tax ID No.) (Address)  
(City or Town) (State and Zip) (Telephone Number)

2. Location of point of diversion/withdrawal (include location map with claim)

SE NE  $\frac{1}{4}$  of SW  $\frac{1}{4}$  of Section 31, Township 05N, Range 13W, County Forrest

3. Volume of water diverted/withdrawn:

- (1) \_\_\_\_\_ acre feet per year, diverted/withdrawn at a maximum rate of \_\_\_\_\_ gallons per minute; or
- (2) 1.3 million gallons per day, diverted/withdrawn at a maximum rate of 914 gallons per minute.

4. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary City of Hattiesburg Water System

(b) Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s) NA) Describe the nature and amount of any additional supply \_\_\_\_\_

HD# 180008-04

**SECTION A** (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number \_\_\_\_\_, dated \_\_\_\_\_

2. Source of supply is \_\_\_\_\_ which drains into \_\_\_\_\_

\_\_\_\_\_ which drains into \_\_\_\_\_

3. Description of diversion works:

(a) Water obtained directly from stream: \_\_\_\_\_ (Name)

Pump \_\_\_\_\_ (Size and type) Power Unit \_\_\_\_\_ (Size and type)

Lift \_\_\_\_\_ ft. Maximum capacity \_\_\_\_\_ gpm

(b) Storage reservoir \_\_\_\_\_ (Name)

Height of dam \_\_\_\_\_ feet. Surface area at normal pool \_\_\_\_\_ acres

Storage capacity at normal pool \_\_\_\_\_ acre feet

**SECTION B** (to be completed if source of water is from underground supply)

1. Source of supply: \_\_\_\_\_ aquifer(s)
  2. Description of water well:
    - (a) **Well data:**
      - (1) Date well completed 1952
      - (2) Depth drilled 450 feet
      - (3) Type of completion NA
      - (4) Surface elevation 161 feet
    - (b) **Screen data:**
      - (1) Depth to bottom 465 feet
      - (2) Length 85 feet
      - (3) Diameter 8 inches
      - (4) Type Slotted
      - (5) Slot .08 inches
    - (c) **Casing data:**
      - (1) Length(s) 380 feet; Diameter(s) 12 inches
      - (2) Type Wrought Iron
    - (d) **Pump data:**
      - (1) Type & Size Floway, 10" Turbin
      - (2) Capacity 1000 gpm
      - (3) No. stages 9
      - (4) Setting depth 140 feet
- Well Driller Carlos Well Supply  
(Name of Company)

**WATER USE DATA**

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

TOWN-SHIP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS	
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼		

- (b) List the acres to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Corn \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Other crops ( \_\_\_\_\_ ) \_\_\_\_\_ acres.
2. If for MUNICIPAL use: (a) Present population 41962, (based on 1982 Census)  
(b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years:  
9.0 MGD 19 86 ; 10.29 MGD 19 91 ; 11.53 MGD 19 96 ; 12.91 MGD 19 2001
3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year \_\_\_\_\_; rate of release \_\_\_\_\_; location of release point in reference to diversion point \_\_\_\_\_ (show location on map)  
(b) Explain any change in quality of water to be released: \_\_\_\_\_
4. If for RECREATIONAL use: Explain how water will be used \_\_\_\_\_
5. If for FISH CULTURE use: (a) Explain in detail how water will be used \_\_\_\_\_  
(b) Number of times reservoir will be emptied and filled annually: \_\_\_\_\_
6. If for ANY OTHER use: (a) Explain in detail \_\_\_\_\_

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List below the name and address of person to be contacted for additional information, if required.

Robert West  
(Name)  
P. O. Box 1898  
(Address)  
Hattiesburg, MS 39401

The accompanying map is hereby declared a part of this application.

Robert West  
(Signature)

Subscribed and sworn to before me this 1st day of May 1986, at Hattiesburg  
County of Forest, Mississippi. My commission expires March 18, 1988

John W. Holton  
Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg  
Quad.

GPS LOG

USER NAME(S): CA Hornbeak DATE: 6/28/94

UNIT DEQ #: 82555 FILE #: C062823B

HEALTH DEPT. #: 180008-04 ELEV. 155

USGS #: 2-113 B1 OLWR #: 3233

OWNER: City of Hattiesburg

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

LOCATION DESCRIPTION: N of Old Pump Station, which is 3/10 mi.  
North of main water works Bldg. (Plant #1)

CASING DIA: 16" PUMP TYPE & SIZE: Sub. Pump.

GPS FIELD LOCATION: LAT. 31° 21.193 LONG. 89° 19.884

GPS CORRECTED LOCATION: LAT. 31.2112512 LONG. 89.1953633  
31.353479 89.331567

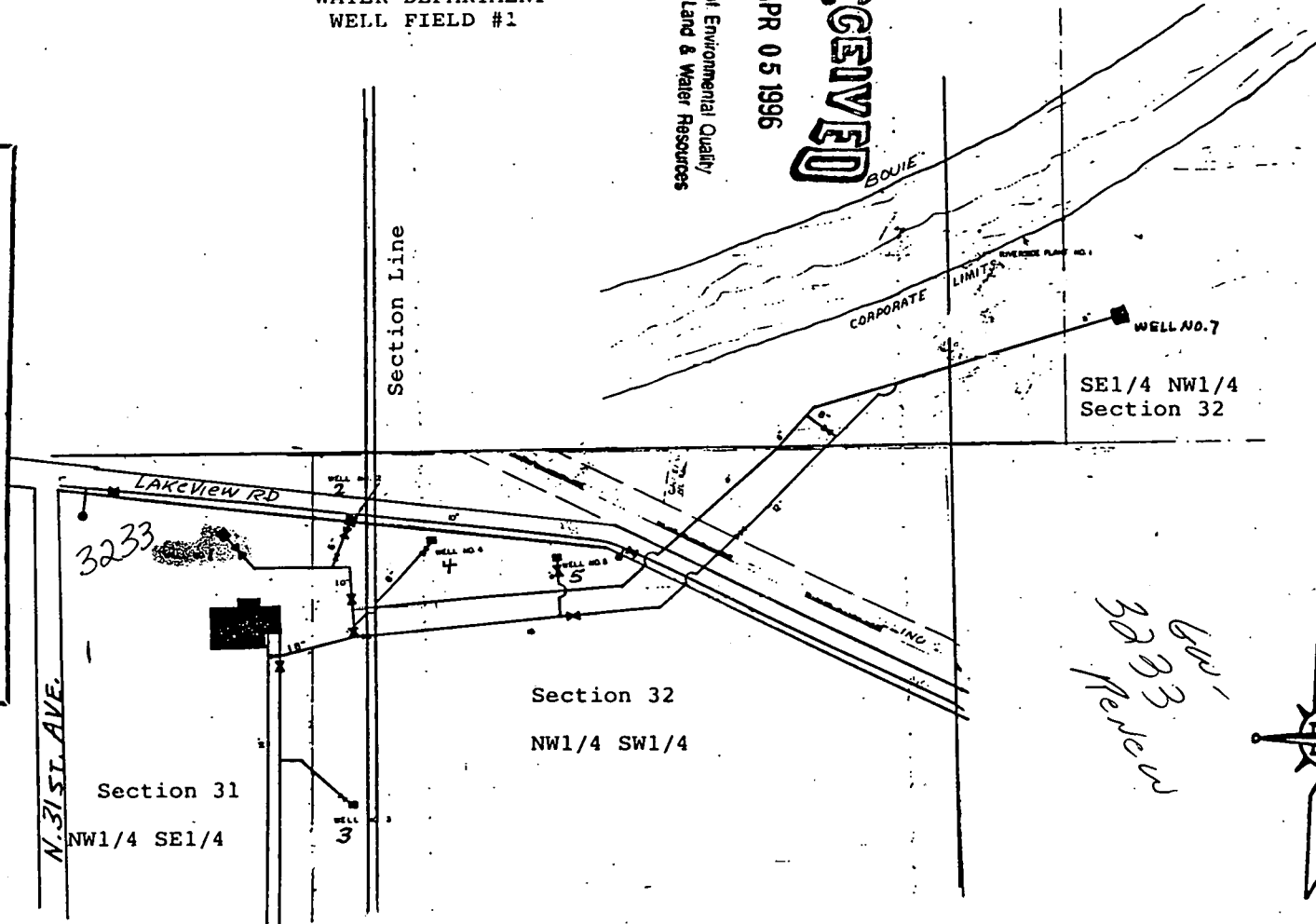
REMARKS: GPS at well.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CITY OF HATTIESBURG  
WATER DEPARTMENT  
WELL FIELD #1

Dept. of Environmental Quality  
Office of Land & Water Resources

APR 05 1996

RECEIVED

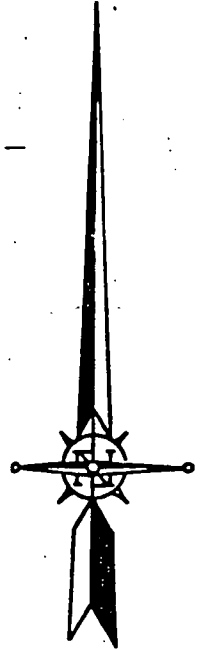


SE1/4 NW1/4  
Section 32

Section 32  
NW1/4 SW1/4

Section 31  
NW1/4 SE1/4

600'  
3233  
Review



PREPARED BY  
CITY ENGINEERING DEPARTMENT  
HATTIESBURG, MS

BY: J.L.L. DATE: \_\_\_\_\_ SCALE: \_\_\_\_\_  
OK'D \_\_\_\_\_



RECEIVED

APR 02 1988

Office of Land & Water Resources  
Dept. of Environmental Control

OR

11. 1/4 INGS 0.6 MI. R. 14 W. R. 13 W. 277 278 20' LAUREL 24 MI. MOSELLE INTERCHANGE 9 MI. 3146 IV NE (EASTABUCHIE)

