

WRD Exp. (GW)  
April 1966

Well No. 06

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION  
FUNCTIONS AND VERIFIED  
WOLLA LOCOMOTION BRANCH

MASTER CARD

Record by Jac Source of data \_\_\_\_\_ Date \_\_\_\_\_ Map Hattiesburg

State 28 County (or town) 1

Latitude: 31 18 47 N Longitude: 08 9 17 02 Sequential number: 2

Lat-long accuracy: 3 T 4 S, R 13 Sec 15, NE 1/4, NE 1/4

Local well number: D006AA1504N13W Other number: #3

Local use: 064 Owner or name: HATTIESBURG Address: \_\_\_\_\_

Ownership: (C) County, Fed Gov't, City, Corp or Co, Private, 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 P

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

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

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

Qual. water data; type: MSBOH Complete 6-8-61

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

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

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

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 673 Meas. rept accuracy 6

Depth cased; (first perf.): 623 Casing type: Steel; Diam. 16x12x1/6

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

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 H

Date Drilled: 4/60 960 Pump intake setting: 200 ft 200

Driller: Layne Central Co

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 T Deep  Shallow

Power (type): (nat) diesel, elec, gas, gasoline, hand, gas, wind; (LP) H.P. 75 U Trans. of meter no. \_\_\_\_\_

Descrip. MP Base of Pumping ft above 3 below LSD, Alt. MP \_\_\_\_\_

Alt. LSD: 143 143 Accuracy: (source) 1

Water Level: ft above 20 below MP; ft above 20 below LSD Accuracy: 3

Date meas: 464 Yield: 1209 gpm Method determined 1

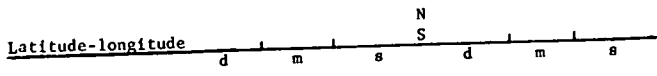
Drawdown: ft \_\_\_\_\_ Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs \_\_\_\_\_

QUALITY OF WATER DATA: Iron .4 Sulfate 89 Chloride 20 Hard. 32

Sp. Conduct 72 K x 10<sup>6</sup> Temp. 72 °F Date sampled 661

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

Well No. 06



**HYDROGEOLOGIC CARD**

SAME AS ON MASTER CARD Physiographic Province: 03 Section: \_\_\_\_\_

D Drainage Basin: 130 Subbasin: \_\_\_\_\_

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

MAJOR AQUIFER: TM system series aquifer, formation, group CA

Lithology: US Origin: 3 Aquifer Thickness: \_\_\_\_\_ ft

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

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

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

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

Intervals Screened: .08 Shutter Screen

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

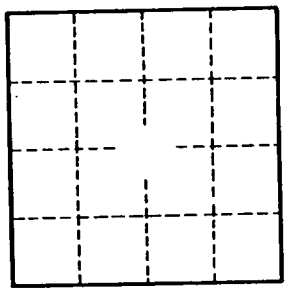
Depth to basement: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

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

Coefficient Trans: \_\_\_\_\_ gpd/ft Coefficient Storage: \_\_\_\_\_

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

See D4 for Loc



Well No. D6

224  
**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW PLANT WATER 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. FORM OF PERMIT NO. 1-1-84

Issued: 8-26-86	Expires: 8-26-2006	Fee Paid: X	Permit No.
Lat. 31-18-55	Long. 89-16-51	Elev. 144	USGS No. D6
Quad. Hattiesburg	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-03241**

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)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):  
NE 1/4 of the NE 1/4 of Section 15, Township 04N, 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-03239, 03240, 03242, and 11694

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

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-09

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

3. Description of proposed or completed well:  
 (a) DEPTH OF WELL: 673 feet. DRILLER: Layne Central Company  
 (b) SURFACE CASING: Length 600 feet; Diameter 12 inches; Type Steel  
 (c) SCREEN: Length 80 feet; Diameter 8 inches; Type Slotted  
 (d) PUMP: Type Turbine; Size 12"; Capacity 1200 gallons per minute; Setting depth 140 feet  
 (e) POWER UNIT: Type Electric; Size 75 horsepower

4. PERMITTED VOLUME:  
 (a) \_\_\_\_\_ million gallons per year at a maximum rate of \_\_\_\_\_ gallons per minute  
 (b) 1.7 million gallons per day at a maximum rate of 1200 gallons per minute

(CONTINUED ON BACK)

1200

MAP SENT

**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 15,300  
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)
- 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 21<sup>st</sup> day of March, 1996, at Hattiesburg County of Forrest  
My commission expires 8-23-96; Merinda M. Nixon Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg  
Quad.

GPS LOG

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

UNIT DEQ #: 82555 FILE #: C062820B

HEALTH DEPT. #: 180008-09 ELEV. 144

USGS #: 2-117 D6 OLWR #: 3241

OWNER: City of Hattiesburg

LOCATION: NE-NE S 15 T 4N R 13W COUNTY: Forrest

LOCATION DESCRIPTION: NE Corner of (Plant #2) Yard

NE of Bldgs.

CASING DIA: 18" PUMP TYPE & SIZE: 75 HP Elec.

GPS FIELD LOCATION: LAT. 31° 18.924 LONG. 89° 16.863

GPS CORRECTED LOCATION: LAT. 31 18 56.123 LONG. 89 16 49.161

REMARKS: GPS at Well. 31.315593 89.280325

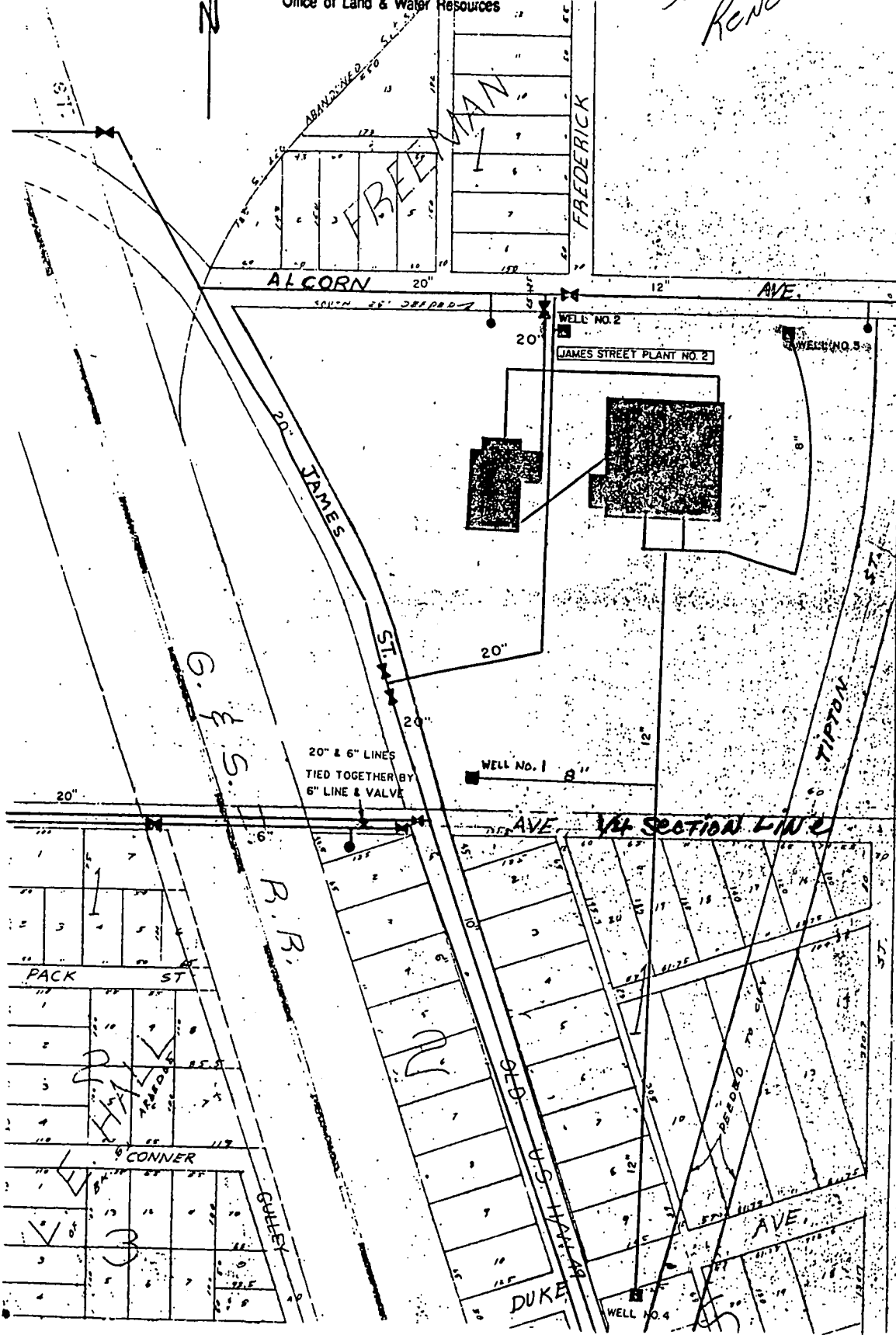
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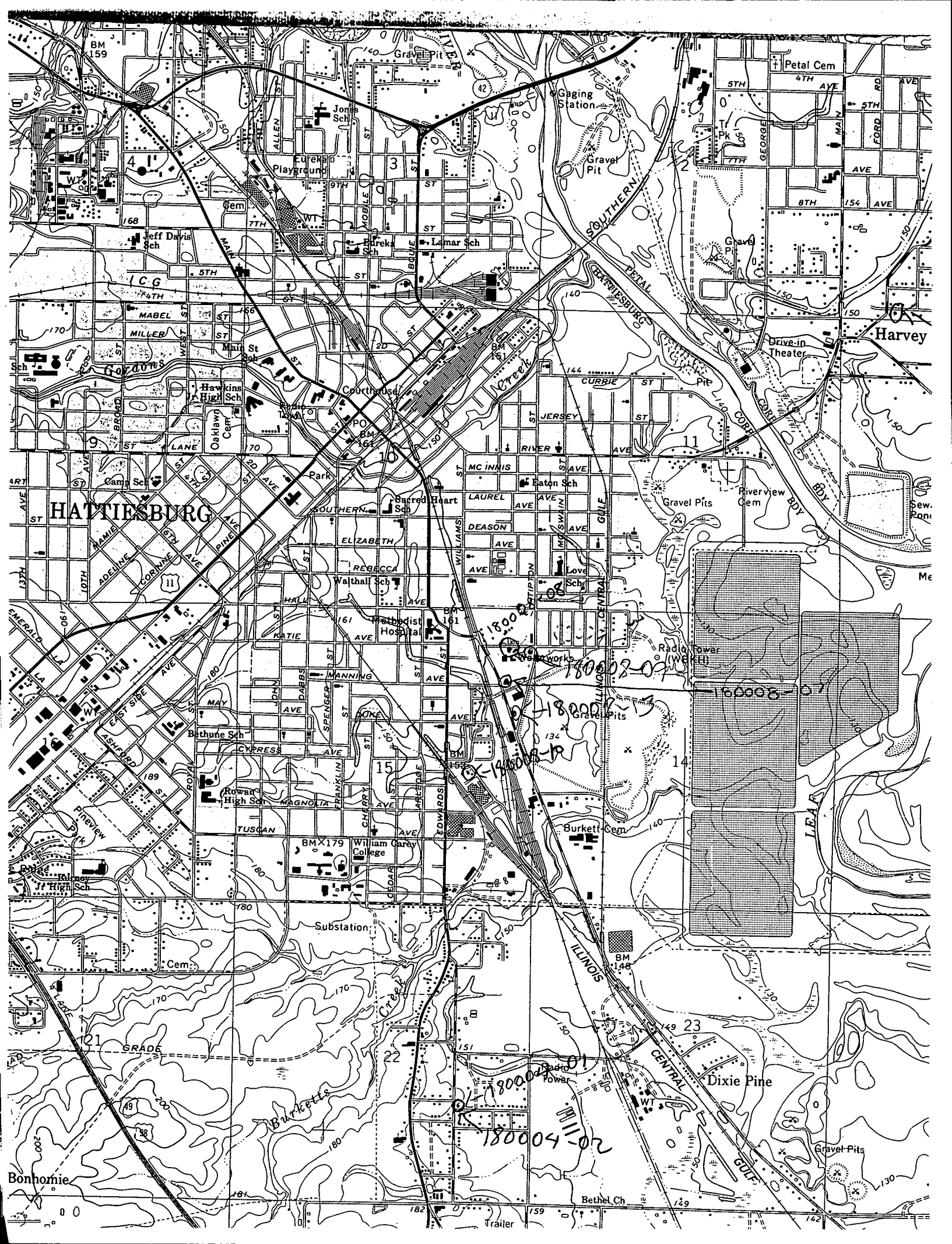
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APR 05 1996

Dept. of Environmental Quality  
Office of Land & Water Resources

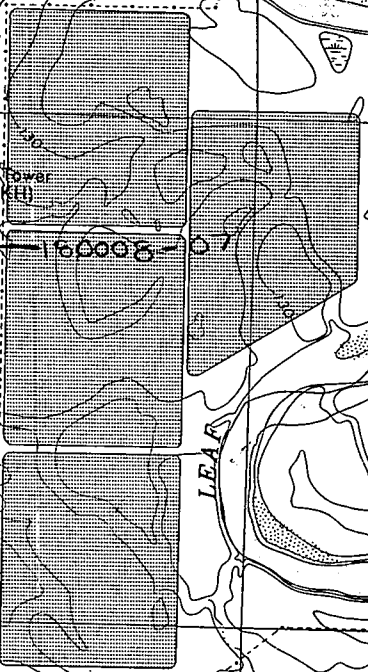
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3241  
Renew





HATTIESBURG

Harvey



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Bonhomie

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