

WRD Exp. (GW)
April 1966

Well No. DA

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

FUNDED AND VERIFIED
ROLLA COMPUTATION SECTION

MASTER CARD

Record by J Source of data _____ Date _____ Map Hattiesburg

State MS County 28 (or town) _____ Sequential number: 1

Latitude: 31° 18' 36" N Longitude: 089° 17' 01" S
 Lat-long accuracy: 3 deg, 4 min, 13 sec, 15 sec, SE 1/4, NE 1/4

Local well number: D004DA1504N13W Other number: #1 B & M

Local use: 064 _____ 464 40 _____ Owner or name: _____

Owner or name: HATTIESBURG Address: _____

Ownership: County, Fed Gov't, (M) City, Corp or Co, Private, State Agency, Water Dist _____ 19

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instit, (N) Unused, (O) Repressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other _____ P

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed _____ W

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

Hyd. lab. data: _____

Qual. water data; type: MSBON + USGS Complete 2-5-64

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

Aperture cards: _____

Log data: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 485 Meas. rept _____ accuracy _____ 6

Depth cased: (first perf.) _____ ft 435 Casing type: _____; Diam. 18x12x8 in _____ 18

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other _____ G

Method: (A) Drilled, (B) air bored, (C) cable, (D) dug, (E) hyd jetted, (F) rot., (G) percussion, (H) rotary, (I) reverse, (J) trenching, (K) driven, (L) drive wash, (M) other _____ H

Date Drilled: 4/60 960 Pump intake setting: _____ ft _____ 30

Driller: Layre Central Co address _____

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other _____ 7 Deep _____ 40 Shallow

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. _____ 60 41 Trans. or meter no. _____

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

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

Water Level: _____ ft above _____ below MP; _____ ft above _____ below LSD Accuracy: _____ 2

Date meas: 1 063 Yield: 1209 gpm _____ 1209 Method determined _____ 61

Drawdown: _____ ft _____ Accuracy: _____ Pumping period _____ hrs _____ 13

QUALITY OF WATER DATA: Iron .91 ppm _____ 4 Sulfate 8.8 ppm _____ 0 Chloride 2.50 ppm _____ 24 Hard. _____ 3

Sp. Conduct 97 K x 10⁶ _____ 1 Temp. _____ 71 °F Date sampled 2-5-64 _____ 264

Taste, color, etc. _____

11/6/87
WL=30.

Well No. DA

Latitude-longitude _____ N
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: _____

03 Section: _____

02 Drainage Basin: _____

130 Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (C) offshore, pediment, hillside, terrace, undulating, valley flat (E) (F) (H) (K) (L) (S) (T) (U) (V) _____ 27

MAJOR AQUIFER: system _____ series 7M aquifer, formation, group CA 133 1111

Lithology: _____ U.S. Origin: _____ 3 Aquifer Thickness: _____ ft

130 Length of well open to: _____ ft 50 Depth to top of: _____ ft

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ 50 Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ Depth to top of: _____ ft

Intervals Screened: _____

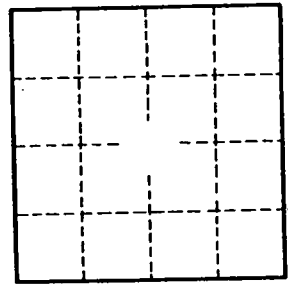
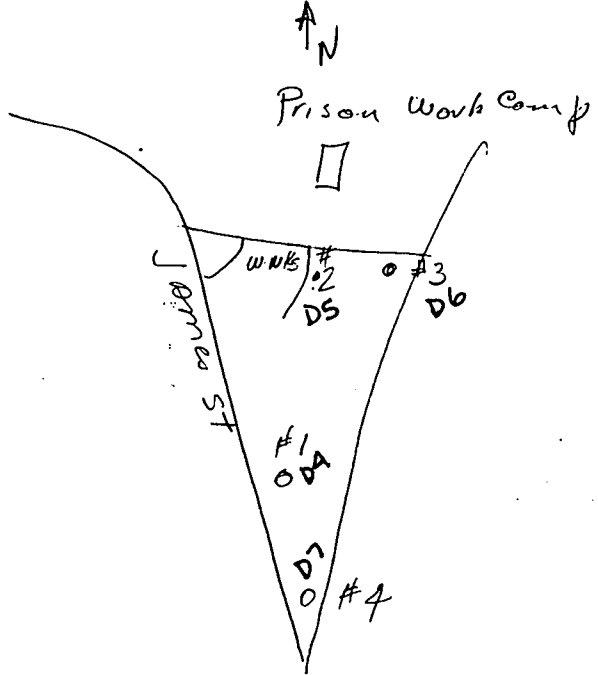
Depth to consolidated rock: _____ ft _____ Source of data: _____ 64

Depth to basement: _____ ft _____ Source of data: _____ 69

Surficial material: _____ Infiltration characteristics: _____ 72

Coefficient Trans: 1,000 gpd/ft 17.4 Coefficient Storage: _____ 76 78

Coefficient Perm: 1,300 gpd/ft²; Spec cap: 40 gpm/ft; Number of geologic cards: _____ 79



11/6/97
1150 gpm @ 16'

Well No. 124

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FROM 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

This box is for office use only. 2-11-97 AGN APP 05 1985
 Dept. of Environmental Quality
 FORM OWA-AP-2 (REV. 9/84) Resources

Issued: <u>8-26-86</u>	Expires: <u>8-26-2006</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31-18-49</u>	Long. <u>89-16-54</u>	Elev. <u>146</u>	USGS No. <u>DA</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-03239

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)

SE 1/4 of the NE 1/4 of Section 15, Township 04 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-03240 through MS-GW-03242 and MS-GW-11694

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Catahoula MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-07

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: 495 Feet. DRILLER: Layne Central Company

(b) SURFACE CASING: Length 418 feet; Diameter 12 inches; Type Steel

(c) SCREEN: Length 50 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)

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 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 21st day of March, 1996, at Hattiesburg County of Forest
My commission expires 8-23-96; Melinda M. Nixon 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 #: C062821A

HEALTH DEPT. #: 180008-07 ELEV. 146

USGS #: 2-115 D4 OLWR #: 3239

OWNER: City of Hattiesburg

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

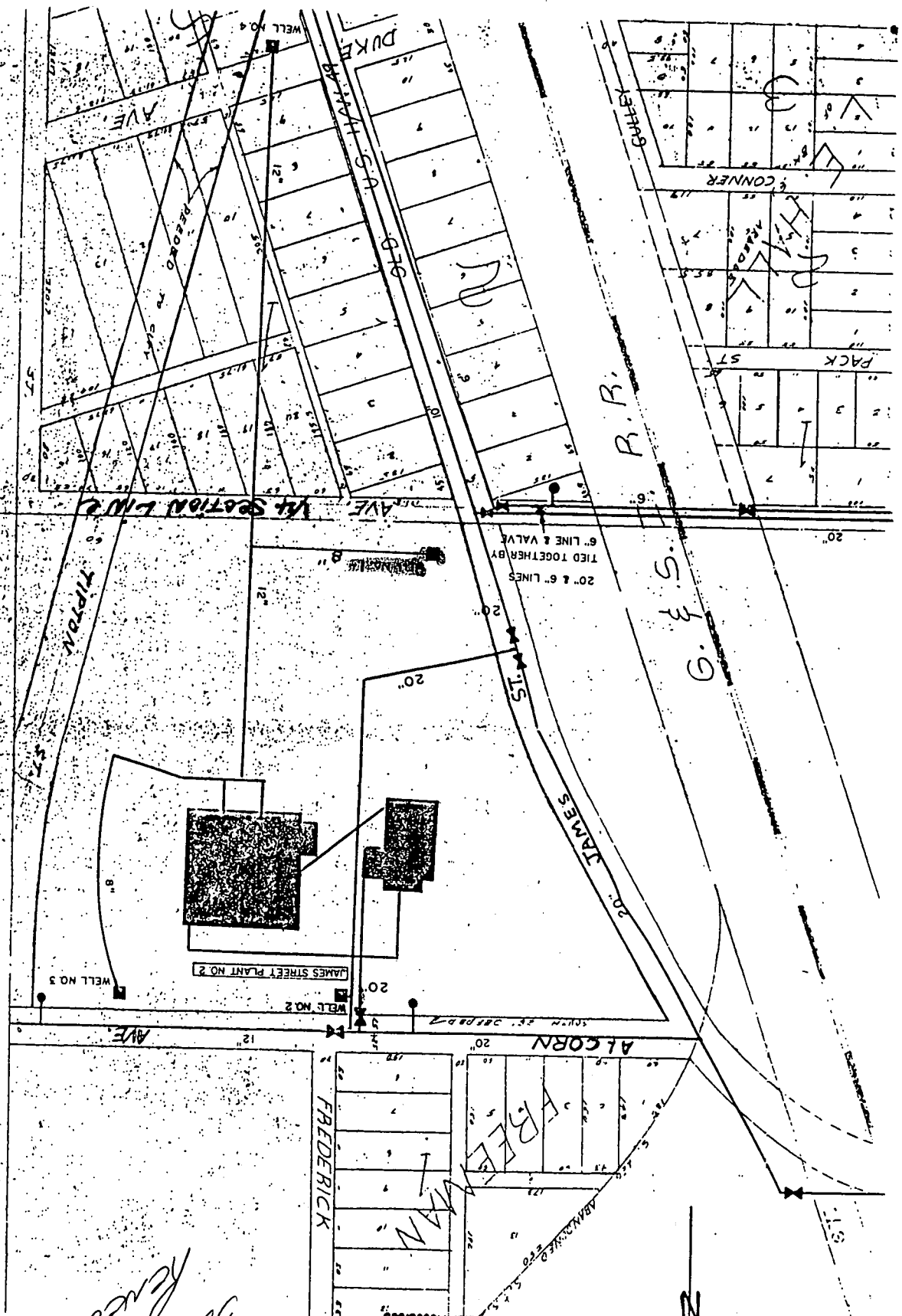
LOCATION DESCRIPTION: SW corner of (Plant # 2) Yard
SW of Bldgs.

CASING DIA: 18" PUMP TYPE & SIZE: 60 HP Elec.

GPS FIELD LOCATION: LAT. 31° 18.888 LONG. 89° 16.903

GPS CORRECTED LOCATION: LAT. 31 18 50.424 LONG. 89 16 54.146
31.314010 89.281709

REMARKS: GPS at well.



Dept. of Environmental Quality
 Office of Land & Water Resources

RECEIVED
 APR 05 1996

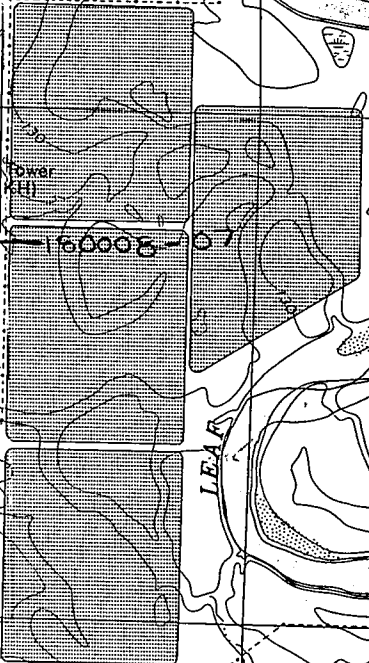
*3239
 Review
 Gw*





HATTIESBURG

Harve



180002-03
180002-07

180003-13

180004-02

180004-01

180004-02

Bonhomie

Dixie Pine

Palmer's Crossing

28

26