**WELL SCHEDULE**

**U.S. DEPT. OF THE INTERIOR\nGEODETICAL SURVEY\nWATER RESOURCES DIVISION**

**MASTER CARD**

- **Recorded by:** J.S.
- **State:** [Blank]
- **County:** De Soto
- **Well Number:** BOC 3-4
- **Local Use:** OLIVE BRANCH
- **Owner or Name:** [Blank]
- **Address:** [Blank]
- **Use of:** Stock, Instlt, Unused, Repressure, Recharge, Desal-5 S, Desal-Other
- **Well:** Anode, Drain, Seismic, Heat Res, OBO, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed
- **Data Available:** Pumpage inventory: no, period: [Blank]
- **Aperture cards:** yes
- **Log data:** [Blank]

**WELL-DESCRIPTION CARD**

- **Depth well:** 397 ft
- **Casing:** 13-1/2 in
- **Finish:** [Blank]
- **Method:** [Blank]
- **Driller:** [Blank]
- **Power:** [Blank]
- **Descrip., MP:** A-1
- **Alt. LSD:** 1340 ft
- **Date:** 6-9-71
- **Drawdown:** [Blank]
- **Quality of Water Data:** Iron: [Blank], Sulfate: [Blank], Chloride: [Blank]
- **Sp. Conduct.:** [Blank]
- **Temp.:** [Blank]
- **Date sampled:** [Blank]
- **Field aquifer char.:** [Blank]

**WELL SCHEDULE**

- **Site ID:** 345720089503101
- **Well No.:** D 15

**Effective Date:** June 28, 1971
Well No. D15

Latitude-longitude: N

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province:

Drainage Basin:

Section:

Subbasin:

Topo of well site:

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

Lithology:

Length of well open to:

Depth to top of:

Depth to consolidated rock:

Surficial material:

Coefficient:

Trans:

Coefficient:

Spec cap: Number of geologic cards:

5-16-74 @ 16/6
Measured water level
157' below 18d

Eng.: Lauderdale
Hernando, Miss.

Olive Branch

Hwy 305

Hwy 72

GPO 937-142
**WATER WELL DRILLERS LOG**

**Date well completed:** 12-2-1969  
**Landowner:** City of Olive Branch  
**Well location:** Olive Branch, Mississippi  
**Well purpose:** Municipal  
**Well completion data:**

<table>
<thead>
<tr>
<th>Description</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Sand and gravel</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>Rock</td>
<td>58</td>
<td>6</td>
</tr>
<tr>
<td>Clay</td>
<td>62</td>
<td>13</td>
</tr>
<tr>
<td>Sandy clay</td>
<td>130</td>
<td>190</td>
</tr>
<tr>
<td>Sand</td>
<td>190</td>
<td>40</td>
</tr>
<tr>
<td>Fine sand &amp; clay</td>
<td>407</td>
<td>42</td>
</tr>
</tbody>
</table>

**Well completion data:**

1. Diameter (inches) 12"
2. Total depth (feet) 405'
3. Static water level (feet) 156' above top of ground.
4. Casing steel, 350', 12", if telescope see back.
5. Screen 50', 349', 10", stainless keystone.
6. Pump 75 HP, 500 gpm, electric.
7. Electric log no.
8. How well bottom plugged.

**Drillers remarks:**
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW 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) 961-6796


Lat. Long. Elev. USGS No.
Quad. 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-66-0163

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 OLIVE BRANCH
(Name) 64-6001544
9189 PIGEON ROOST AVE
(Address) (SSN or Tax ID No.)
OLIVE BRANCH MISS 38654 (601) 895-3166
(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):

NO 1/4 of the SE 1/4 of Section 33, Township 15, Range 6W, County DeSOTO

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.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MEMPHIS Spring MISSISSIPPI DEPARTMENT OF HEALTH NO.

2. Proposed work will begin on , and will be completed by .

If well has already been drilled, when was well completed (date)? Dec. 19 69 Under whose name was well originally drilled (if known)? CITY OF OLIVE BRANCH

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 409 ft. DRILLER: Layne - Bowler, Memphis TN
(b) SURFACE CASING: Length 350 feet; Diameter 12 inches; Type Steel
(c) SCREEN: Length 50 feet; Diameter 10 inches; Type Stainless Steel
(d) PUMP: Type TF 818; Size 75 HP; Capacity 750 gallons per minute; Setting depth 230 feet
(e) POWER UNIT: Type Elec; Size 75 HP

4. PERMITTED VOLUME:
(a) scf per year at a maximum rate of gallons per minute
(b) million gallons per day at a maximum rate of gallons per minute

(CONTINUED ON BACK)
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

   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 __________

   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?

   2000 __________ (Volume) 2005 __________ (Volume) 2010 __________ (Volume)

   2015 __________ (Year) 2015 __________ (Year) 2015 __________ (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.

JOSEPH P. LAUDERDALE P.E.

(Name)

9123 Pigeon Roost

(Address)

OLIVE BRANCH, MISS. 38654

(City, State, Zip)

601-895-0422

(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.

Subscribed and sworn to before me this __________ day of __________, 19__ at __________.

My commission expires __________

Notary Public.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): 5HDBPEG  
DATE: 7-29-96

UNIT DEQ #: 84080  
FILE #: 1072718

HEALTH DEPT. #: 120015-02  
ELEV. 380'0072422A

USGS #: DIS  
OLWR #: C0001683

OWNER: City of Olive Branch

LOCATION: SW/NW/SE S33 T15 R6W  
COUNTY: DeSoto

LOCATION DESCRIPTION: NW Corner Water Plant Yard

Casing Dia:  
Pump Type & Size: (Working Turbine Off)

GPS FIELD LOCATION: LAT. 34°57'49.1"  
LONG. 89°50'15.0"

GPS CORRECTED LOCATION: LAT. 34.95242332  
LONG. 89.83719775

REMARKS:


