GW 2508
DOH # 170013-02

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

FORM 9-1642
(1-68)

Record by: JCM
Source of data: BOINC
Date 7-72

MASTER CARD

State: OK
County: Osage
Well No.: D-33

Well data:

12/30/82
WL: 116.53

DEC 9.71

Lat-long:
Lat: 34° 51' 30" N
Long: 95° 31' 15" W

Local use:
125, 200, 506 W

MINERAL WELLS:
Owner: Mineral Wells W.4
Address: City of Olive Branch

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well: 275 ft

Depth casing:
Casing:
20 ft

Date Drilled: 6-15-72

Driller: R. W. Wylam

Well data:

Water Level:
Above LSD: 3.40 ft

Date taken: 9/24/75

Yield:
Pumping period: 1.02 gpm

Quality of Water:
Iron: 29 ppm
Sulfate: 81 ppm
Chloride: 20 ppm
Hard: 20 ppm

Sp. Conduct: 20.9 x 10
Temp: 97.5°F

Date sampled: 4-6

Taste, color, etc.
### Water Well Drillers Log

**Location:** De Soto

**Date:** 6-15-72

**Log Number:** 025008

#### Description of Formations Encountered

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Br. Clay &amp; Gravel</td>
<td>0</td>
</tr>
<tr>
<td>Gravel - White Clay</td>
<td>15</td>
</tr>
<tr>
<td>Red Sand</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Well Location

- **Sec:** 20
- **T:** 1
- **W:** R 6.
- **White Clay, Red Sand:** 60 ft
- **White Sand:** 25 ft
- **Br. Clay:** 150 ft

#### Well Purpose

- **Home, Irrigation, Municipal, Industrial**

#### Well Completion Data

1. **Diameter (inches):** 6
2. **Total Depth (feet):** 272
3. **Static Water Level (feet) below top of ground:**
4. **Casing (material):** 201
   - **Depth:** 6" if telescope see back.
5. **Screen:** 54"
   - **Length:** 201
   - **Depth to top:**
   - **Material:** Sand Pack
6. **Pump:**
   - **HP:**
   - **Yield (gpm):**
   - **Type (power):** Electric
7. **Electric Log:** Yes
8. **How Well Bottom Plugged:** 6"

#### Drillers Remarks:

**County Well Located:**
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
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

Issued: 522866
Expire: 63212006
Fee Paid: Permit No.
Lat. 34.59.21
Long. 89.51.41
Elev. 340
Quad: CROOKED BRANCH
ASCS Farm No.
STAC
Elev.
MSDOH No.
Aquifer: SPRT
Tract No.
Basin No.
Remarks:

FORM OF WR-AP-2 (REV. 994)

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. MS-GW-02508

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 2) Rural Water 3) Irrigation
4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino)
8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: CITY OF OLIVE BRANCH 64-6001544
(Name) (SSN or Tax ID No.)
9189 PIGEON ROOST
(Address)
OLIVE BRANCH, MS 38654-2499 601-895-4000
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Name) (SSN or Tax ID No.)
(Address)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):
N E 1/16 the N W 1/16 of Section 20, Township 01S, Range 06N, 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, file permit number: OTHER CITY WELL

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: SPARTA MISSISSIPPI DEPARTMENT OF HEALTH NO. 170013
2. Proposed work will begin on _______ 19____, and will be completed by _______ 19____.
If well has already been drilled, when was well completed (date)? JUNE 15, 19____. Under whose name was well originally drilled (if known)? MINERAL WELLS WATER ASSOCIATION

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 275 feet. DRILLER: WILSON INC.
(b) SURFACE CASING: Length 221 feet; Diameter 12 inches; Type PVC
(c) SCREEN: Length 54 feet; Diameter 6 inches; Type STAINLESS STEEL
(d) PUMP: Type SUBMERSIBLE; Size 20 HP; Capacity 250 gallons per minute; Setting depth 140 feet
(e) POWER UNIT: Type AC; Size horsepower

4. PERMITTED VOLUME:
(a) _______ per year at a maximum rate of _______ gallons per minute
(b) _______ per day at a maximum rate of 250 gallons per minute

(CONTINUED ON BACK) 250
SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from __________________________ 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: __________________________ Acre-feet
   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 2,000 or (b) The number of connections is 550
   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? 20,000 1996 25,000 2001 30,000 2006 35,000 2011
   (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.

DON SAPPINGTON
(Name)
9189 PIGEON ROOST
(Address)
OLIVE BRANCH, MS 38654-2499
(City, State, Zip)
601 895 4000
(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.

(Don Sappington)
(Signature)

Subscribed and sworn to me this 6th day of November 1995 at Olive Branch, County of DeSoto

My commission expires __________________________ Notary Public

Lynda Barry
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Lakk/Lak
DATE: 7/21/94

UNIT DEQ #: 84070
FILE #: 6074754186

HEALTH DEPT. #: 170013-02
ELEV.: 320

USGS #: 172 D-33
OLWR #: MS-GW-02508

OWNER: MINERAL WELLS

LOCATION: SW 1/4 NE 1/4 Sec 30 T 15 R 6W
COUNTY: DE SOTO

LOCATION DESCRIPTION: 100' South of Water Plant 100' West of R & R Tracks.

CASING DIA: 6"
PUMP TYPE & SIZE: Excelmate

GPS FIELD LOCATION: LAT. 34°59'33"N
LONG. 89°51'59"W

GPS CORRECTED LOCATION: LAT. 34°59'11"492 N
LONG. 89°51'39.5" W

REMARKS: See Well #1 for Water Plant Locations.