WELL SCHEDULE
FOR
THE OFFICE OF LAND AND WATER RESOURCES

Recorded by: Data Source: Driller's log, permit Date: 12/18/2000
County: De Soto Permit No.: GW14775 DOH No.: 170018-09
Quad: Pleasant Hill Elevation: 380
1/4: 1/4: SW 1/4: NW 1/4: NW Sec: 3 T: 2S R: 7W
Plotted on quad: In field? From drillers log? From permit?
Latitude: 34° 56' 45.49" Longitude: 89° 56' 11.28" GPS? From quad?
Primary Aquifer: SPRT Secondary Aquifer:
Use: MY Well status: Local Well Name:
Owner: City of Southaven

Date completed: 11/11/93 Driller: Layne Central Well depth: 373 Hole depth: 569
Pump type: Turbine Power type: electric Pump capacity: 1000 gpm
Screen interval: Screen length: Screen diameter:
Screen interval: Screen length: Screen diameter:
Casing interval: Casing length: Casing diameter:
Casing interval: Casing length: Casing diameter:
Type of logs: Log interval:
Initial water level(s): Date: Measuring point description:

Water Quality Data? Source: Reliability:
Water Level Data? Source: Reliability:
Pump Test Data? Source: Reliability:
Water Use Data? Source: Reliability:
Water level data

This area for location map and notes
<table>
<thead>
<tr>
<th>LANDOWNER</th>
<th>City of Southaven</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box 425</td>
<td></td>
</tr>
<tr>
<td>Southaven, MS 38671</td>
<td></td>
</tr>
<tr>
<td>(mailing address)</td>
<td></td>
</tr>
<tr>
<td>WELL LOCATION:</td>
<td></td>
</tr>
<tr>
<td>sec. 3 T 28 N R 7 W</td>
<td></td>
</tr>
<tr>
<td>5 miles northeast of Clay Streaks &amp; Soft Strks</td>
<td></td>
</tr>
<tr>
<td>nearest town</td>
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<tr>
<td>WELL PURPOSE: Municipal</td>
<td></td>
</tr>
<tr>
<td>(home, irrigation, municipal, industrial)</td>
<td></td>
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<tr>
<td>WELL COMPLETION DATA:</td>
<td></td>
</tr>
<tr>
<td>(1) diameter (inches)</td>
<td>16&quot;</td>
</tr>
<tr>
<td>(2) total depth (feet)</td>
<td>373'</td>
</tr>
<tr>
<td>(3) static water level (feet)</td>
<td>173 below top of ground</td>
</tr>
<tr>
<td>(4) casing</td>
<td>Steel 65' (material)</td>
</tr>
<tr>
<td>(5) screen</td>
<td>80' 289' (length)</td>
</tr>
<tr>
<td>10&quot; Stainless Steel (size)</td>
<td></td>
</tr>
<tr>
<td>(6) pump</td>
<td>100 1000 (HP)</td>
</tr>
<tr>
<td>3/60/460 (type power)</td>
<td></td>
</tr>
<tr>
<td>(7) electric log</td>
<td>Yes</td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
<td>Cement</td>
</tr>
<tr>
<td>DESTRUCTION</td>
<td>DEC 0 9</td>
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APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE
THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

This application is for (circle one): GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby Fire Protection Flood Protection Other:

LANDOWNER:

CITY OF SOUTHAVEN

(Name)
P.O. BOX 425

(Addres) SOUTHAVEN MS 38671 (601) 393-5931

(City) (State and Zip) (Telephone Number)

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

SAME AS ABOVE

(Name) (S/S or Tax ID No.)

(Address) (State and Zip) (Telephone Number)

Location of diversion/withdrawal point (A suitable location map must accompany this application):

NW 1/4 of the NW 1/4 of Section 3 Township 2S Range 7W County DeSoto

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]: N/A

(a) __________________ acre-feet per year at a maximum rate of __________________ gallons per minute

(b) __________________ million gallons per day at a maximum rate of __________________ gallons per minute

(c) __________________ acre-feet of storage at normal pool

(d) __________________ per __________________ at a maximum rate of __________________

Construction of proposed work will begin on (date) 7-18-92 and will be completed by (date) 11-11-93.

Water will be used from (month) January to (month) December each year.

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 numbers.

SECTION A (to be completed if application is for surface water source)

1. Source of water is from N/A which drains into __________________ which drains into __________________

2. Description of pump/diversion works:

(a) Pump (size and type): __________________ Power Unit (size and type): __________________

Lift: __________________ feet Maximum capacity: __________________ gallons per minute.

(b) Name of storage reservoir: __________________ Dam height: __________________ feet.

Surface area at normal pool: __________________ acres. Storage capacity at normal pool: __________________ acre-feet.

(Continued on back)
SECTION B (to be completed if application is for groundwater source)

1. Source of water is SPARTY SAND equifer.

2. Description of proposed water well:
   (a) DEPTH OF WELL: 373 feet. DRILLER (name): LAYNE-CENTRAL (MEMPHIS, TN.)
   (b) SURFACE CASING: Length: 284 feet. Diameter: 16 inches. Type: STEEL
   (c) SCREEN: Length: 80 feet. Diameter: 10 inches. Type: STAINLESS STEEL
   (d) PUMP: Type: TURBINE Size: 14" Capacity: 1000 gallons per minute.
       Number of stages: FOUR Setting depth: 263 feet.
   (e) POWER UNIT: Type: VERTICLE ELECTRIC Size: 100 horsepower.
   (f) TYPE OF COMPLETION: DEEP WELL TURBINE PUMP, WATER LUBRICATION, ELECTRIC MOTOR

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

<table>
<thead>
<tr>
<th>TOWN</th>
<th>RANGE</th>
<th>SECTION</th>
<th>NE1/4</th>
<th>NW1/4</th>
<th>SW1/4</th>
<th>SE1/4</th>
<th>TOTALS</th>
</tr>
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1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice: Colton: Soybeans: 
   Corn: Pasture: Tobacco: Wheat: Oats: Grain sorghum: 
   Other (specify): Acres: 

2. FISH CULTURE: Explain how water will be used: 

   How often will reservoir(s) be emptied and refilled? 

3. MUNICIPAL or WATER ASSOCIATION
   Choose "a" or "b." (a) The number of people served is: 800.
   (b) The number of connections/customers 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 years? 0.4 MGD 1999; 0.6 MGD 2004; 0.8 MGD 2009; 1.0 MGD 2014 
   (Volume) (Year) (Volume) (Year) (Volume) (Year)

4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year N/A: 
   Rate of release: Location of release point in reference to diversion/withdrawal point: 
   Explain any change in quality of water to be released: 
   NPDES Permit No. 

   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: N/A 

6. OTHER use: Explain in detail: N/A 

REMARKS: THIS IS WELL # 1 FOR A NEW WATER PLANT TO PROVIDE INCREASED SUPPLY FOR 
   DOMESTIC USE AND FIRE PROTECTION IN DEVELOPING AREAS OF THE SYSTEM 

List below the person to be contacted for additional information if required: 
RONALD E. SMITH 

(Please print) 

The accompanying map is hereby declared a part of this application. The TEN DOLLAR ($10.00) permit fee is enclosed herewith. 

(Signature) 

Subscribed and sworn to before me this 2 day of March, 1994 at SOUTHAVEN MS 

County of DE SOTO, My commission expires Feb 28, 1995, Notary Public