Water Level Data Collection (1)

Tested 1500 gpm
1/13/85

I suspect WL reported at drilling was obtained by mistakenly reading psi rather than head graduations on dial.

WL = 5 + 25 = 30' above LSD
1' gage reading in test
Height of gage above LSD

WL = +12.1 (?)

NAD 83

I.D. 17

10/22/85
**WATER WELL DRILLERS LOG**

**Date Well Completed:** 6/28/85

**Landowner:** J. P Gemeiner

**Well Location:** Sec. 17 T. 8 N. R. 15 E.

**Well Purpose:** Industrial

**Well Completion Data:**

1. **Diameter (inches):** 16"  
2. **Total Depth (feet):** 855'  
3. **Static Water Level:** Below top of ground  
4. **Casing Material:** Steel 785'  
5. **Screen Length:** 10'  
6. **Pump Type:** Yes  
7. **Electric Log:** Yes  

**Description of Formations Encountered:**

<table>
<thead>
<tr>
<th>Formation</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>0'</td>
<td>20'</td>
</tr>
<tr>
<td>Sand</td>
<td>20'</td>
<td>25'</td>
</tr>
<tr>
<td>Clay</td>
<td>25'</td>
<td>40'</td>
</tr>
<tr>
<td>Sand</td>
<td>40'</td>
<td>70'</td>
</tr>
<tr>
<td>Clay</td>
<td>70'</td>
<td>119'</td>
</tr>
<tr>
<td>Sand</td>
<td>119'</td>
<td>150'</td>
</tr>
<tr>
<td>Sand</td>
<td>150'</td>
<td>180'</td>
</tr>
<tr>
<td>Sand</td>
<td>180'</td>
<td>230'</td>
</tr>
<tr>
<td>Sandy Clay</td>
<td>230'</td>
<td>255'</td>
</tr>
<tr>
<td>Clay</td>
<td>255'</td>
<td>610'</td>
</tr>
<tr>
<td>Sand</td>
<td>610'</td>
<td>785'</td>
</tr>
<tr>
<td>Sandy Clay</td>
<td>785'</td>
<td>978'</td>
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<tr>
<td>Sand</td>
<td>978'</td>
<td>988'</td>
</tr>
<tr>
<td>Clay</td>
<td>988'</td>
<td>1014'</td>
</tr>
</tbody>
</table>

**Remarks:**

- **Back**

**Department of Land and Water Resources**

**Received:** July 1, 1985
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

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. MS-GW-01164

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

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: Hancock County Board of Supervisors 64-0440746
(Name) (SSN or Tax ID No.)
P.O. Box 429
(Address)
Bay St. Louis, MS 39520 (601) 467-9231
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):
Hancock Co. Port & Harbor Commission 64-0440746
(Name) (SSN or Tax ID No.)
P.O. BOX 2267
(Address)
Bay St. Louis MS 39520 (601) 467-9231
(City) (State & Zip) (Telephone)

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

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 [X] 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: Miocene Mississippi Department of Health No: 230016

2. Proposed work will begin on Dec. 1985 and will be completed by Dec. 1985

If well has already been drilled, when was well completed (date)? Dec. 1985 Under whose name was well originally drilled (if known)? Layne Central Company

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 855 feet DRILLER: Layne Central Company
(b) SURFACE CASING: Length 785 feet Diameter 16 inches Type: Sch 30 Blck Stl
(c) SCREEN: Length 60 feet Diameter 10 inches Type: Stainless Steel
(d) PUMP: Type Vet. Tur. Size 8 in Capacity 650 gallons per minute Setting depth 100 feet
(e) POWER UNIT: Type GE Hollow Shaft Elec Motor Size 40 horsepower

4. PERMITTED VOLUME:
(a) unknown acre-feet per year at a maximum rate of 250 gallons per minute
(b) 0.55 million gallons per day at a maximum rate of 250 650 gallons per minute

(Continued on back) 1/23/96
SECTION C (to be completed for SURFACE WATER SOURCE) N/A
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: ___________________________ 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: ______;
   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
   Choose "a" or "b". (a) The number of people served is 200 or (b) The number of connections is 10
   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? 2,000 gpd 2000; 2,000 gpd 2005; 2,000 gpd 2010; 2,000 gpd 2015; 2,000 gpd 2020
   (Volume) (Year) (Volume) (Year) (Volume) (Year)
4. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year 18 mgd
   Rate of release: 0.050 gpd; NPDES Permit No. MS003120
   Explain any changes in quality of water to be released: Discharge will be treated via 2nd wastewater.
   Explain how water will be used: N/A
   How much groundwater will be used for once-through non-contact cooling? N/A
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.

Mr. Odie Ladner
(Name)
P.O. Box 2267
(Address) Bay St. Louis, Ms. 39520
(City, State, Zip) 601-467-9231
(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 19th day of Sept., 1995, at Hancock County of Mississippi
My commission expires 11/8/97
Panetta Fernandez Notary Public
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): Stewart/Everett  DATE: 11/29/95

UNIT DEQ #:  
FILE #: 8112916-9

HEALTH DEPT. #: 230016-01  ELEV. 21'

USGS #: J36  OLWR #: GW1104

OWNER: Stearns Int Airport Ind Park  QUAD: Kilm

LOCATION: SE SW NE S 1 T 95 R 15W  COUNTY: Hancock

LOCATION DESCRIPTION: West of North end of runway

CASING DIA:  PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 30° 22.816’  LONG. 89° 26.919’

GPS CORRECTED LOCATION: LAT. 30.38001457  LONG. 89.44833027

REMARKS: Flowing well
The Geological Survey

Topographic methods

Photographs taken 1954

Datum System, east zone

grid ticks

Photographs

Field checked

UTM Grid and 1976 Magnetic North Declination at Center of Sheet

Contour Interval 10 Feet

Dotted lines represent 5-foot contours

National Geodetic Vertical Datum of 1929

This map complies with national map accuracy standards

For sale by U. S. Geological Survey

Denver, Colorado 80225, or Reston, Virginia 22092

A folder describing topographic maps and symbols is available on request