Well SC

FORM 9-1642
U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

WELL No. C60

State: Miss [2 4]
County: FORREST [1 8]
Latitude: 31 2 25 N
Longitude: 89 1 2 Z
Local well number: 184 1 2
Local use: Parkerton [W A]

Ownership: County, Fed Govt, City, Corp or Co, Private, State, Agency, Water Dist
Use of Air cond, Bottling, Comm, Devater, Power, Fire, Dom, Ind, Pub, Rec
Water: Stock, Instr, Used, Expensive, Recharge, Desal, P S, Desal other

DATA AVAILABLE: Field aquifer char
Freq. W/L meas
Hyd. lab. data
Qual. water data
Freq. sampling
Pumpage inventory
Aperture cards

WELL-DESCRIPTION CARD

Depth well: 9 0 0
Depth cased: 8 6 0
Finishing: Griner
Finish: Porous gravel, gravel w/ horiz. open perf., screen, sl. pt., shored, open
Method: Air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive
Drilled: 12 19 13

Power: Diesel, Elec, Gas, Gasoline, Hand, Gas, Wind, H P

Descrip. MP: Topo [4 7]
Water Level: 1 2 0
Data: Drawdown: 3 7 4

Sp. Conduct: K x 10 [5 2]
Temp. [7 2]

FORM 9-1642
(1-68)

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
## WATER WELL DRILLERS LOG

### Date Well Completed
3-74

### Firm Name
YRINE DRILLING SER. FORREST

### County Well Located
3 - 74

### Landowner
BARRONTOWN

### Well Location
N.W. 1/4 N.W. 1/4 S.W. 1/4 Sec. 23 T. 5 S. R. 12 E.

### Well Purpose
(Home, Irrigation, Municipal, Industrial)

### Well Completion Data

<table>
<thead>
<tr>
<th>(1) Diameter (inches)</th>
<th>8 3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Total Depth (feet)</td>
<td>900</td>
</tr>
<tr>
<td>(3) Static Water Level (feet)</td>
<td>120 below top of ground</td>
</tr>
<tr>
<td>(4) Casing B.I.</td>
<td>8 3/3&quot;</td>
</tr>
<tr>
<td>(material)</td>
<td>8 3/8&quot;</td>
</tr>
<tr>
<td>(depth)</td>
<td>8 3/8&quot;</td>
</tr>
<tr>
<td>(size)</td>
<td>8 3/8&quot;</td>
</tr>
<tr>
<td>(5) Screen</td>
<td>40'</td>
</tr>
<tr>
<td>(length)</td>
<td>860</td>
</tr>
<tr>
<td>(depth to top)</td>
<td>6&quot;</td>
</tr>
<tr>
<td>(size)</td>
<td>304</td>
</tr>
<tr>
<td>(material)</td>
<td>1 10/10</td>
</tr>
<tr>
<td>(6) Pump</td>
<td>3.0</td>
</tr>
<tr>
<td>(HP)</td>
<td>2.00</td>
</tr>
<tr>
<td>(7) Electric Log</td>
<td>Yes</td>
</tr>
<tr>
<td>(yes/no)</td>
<td>yes</td>
</tr>
</tbody>
</table>
| (Organization Running Log) | M.S.
| (8) How Well Bottom Plugged | Back |

### Well Data

<table>
<thead>
<tr>
<th>Description of Formations Encountered</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Soil</td>
<td>3</td>
<td>150</td>
</tr>
<tr>
<td>Clay + Gravel</td>
<td>150</td>
<td>360</td>
</tr>
<tr>
<td>Alluvial</td>
<td>360</td>
<td>480</td>
</tr>
<tr>
<td>Alluvial (Hand)</td>
<td>480</td>
<td>540</td>
</tr>
<tr>
<td>Water with clay streak</td>
<td>540</td>
<td>762</td>
</tr>
<tr>
<td>Clay (Hand)</td>
<td>762</td>
<td>944</td>
</tr>
<tr>
<td>Sandstone Clay streak</td>
<td>944</td>
<td>820</td>
</tr>
<tr>
<td>Clay</td>
<td>820</td>
<td>830</td>
</tr>
<tr>
<td>Sandstone (Hand)</td>
<td>830</td>
<td>900</td>
</tr>
<tr>
<td>Clay (Hand)</td>
<td>900</td>
<td>965</td>
</tr>
</tbody>
</table>

### Drillers Remarks:

(Coded)

(Coded)

(Coded)
GRINER DRILLING SERVICE, INC.  
TELEPHONE 732-5247  
P. O. BOX 306  
COLUMBIA, MISS. 32429  

LOG FORM  
NAME: Barrontown Utility Association  
LOCATION: Well No. 2, Forrest County, Miss. NW/4, SW/4, SW/4, SE/4, 23, T5N, R12W  
ENGINEER: Sellers & Associates  
DRILLER: R. Lee Stampley  
COMPLETED: Jan. 15, '71 ACCEPTED:  
Sales Engineer: T. N. Shows  
Field Supervisor: T. Powell  

WELL DATA  
Length surface casing: N/A  
Cemented: N/A  
No. Sacks: N/A  
Size Drilled Hole: 12½"  
Depth drilled hole: 835'  
Size well casing: 8½/8"  
Type: Welded  
Length well casing: 833'  
Cemented: Y/N  
No. Sacks: 385  
Size screen: 6"  
Type: Bar Weld  
Manufacturer: Houston  
Slot size: 0,10 material: 304, 8,8  
Length screen: 10'  
Lap pipe size: 6"  
Lap pipe length: 10'  
Type: Welded  
Distance to screen top: 660'  
Distance to screen bottom: 900'  
Type bottom: ball Wash Valve  
Connection top of lap: 8½"  
Lead 8 feet water level: 120'  

PUMP DATA  
Type: Turbine  
Make: Floway  
Serial No.: N/A  
Size bowls: 8"  
No. stages: 13  
Curve No: 8 LKM  
Length bowls: 7'10"  
Length column: 170'  
Size column: 5"  
Type column: Threaded  
Size oil tube: 1½"  
Size shaft: 1"  
Length suction: 20'  
Size suction: 5"  
Size discharge: 6"  
Head No.5"x12" "C"  
Overall pump length: 177'-10"  
Length headshaft: 39"  
Type lubrication: 011  
Type motor: Solenoid  
Length air line: N/A  
Rated capacity: 200  
GPM Total Head: 300'  
RPM: 1760  
Size foundation: 21x21  
Height: 2'  

ELECTRIC MOTOR DATA  
Type: VHS  
Make: GE  
Serial No.: N/A  
HP: 20  
Voltage: 220  
RPM: 1760  
Frame: 52  
Speed: 0  
P: 3  
Q: 60  
A: 52  
Height motor: 26'  
Dia. base: 12"  
Switch type: N/A  
Switch No.: N/A  
Top bearing: N/A  
Lower bearing: N/A  
Lubrication: 012 & Dry  

SWITCH DATA  
Pumping Plant Panel:  
Make: Square "P"  
Catalog No.: 8940  
Size: 3  
Voltage: 100 HP  
Phase: 3  
Cycles: 60  

HP ratings: 20  
Size valve: 52  
Valve type: Quick Trip
APPLICATION FOR PERMIT TO ENTER 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 39205-9611

This box is for office use only. Issued: 5-22-90 Expiry: 3-14-2000

<table>
<thead>
<tr>
<th>Lat.</th>
<th>Long.</th>
<th>Elev.</th>
<th>USGS No.</th>
<th>MSDE No.</th>
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<tr>
<td>312354</td>
<td>91044</td>
<td>270</td>
<td>C60</td>
<td>180001-0002</td>
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</table>

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL PERMIT NO. 007164

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) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: Barrontown Utility Association

101 Dogwood Lane

Petal, MS 39465 (601) 544-3553

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


LOCATION OF DIVERSION/WITHDRAWAL POINT (A suitable map with location marked must accompany this application):

NW 1/4 of the SW 1/4 of Section 23, Township 12W, Range 16, 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:

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene

2. Proposed work will begin on 3-1-94 and will be completed by 9-1-94.

3. Description of proposed or completed well:

   (a) DEPTH OF WELL: 925 feet

   (b) SURFACE CASING: Length 533 feet, Diameter 6 inches, Type steel EI

   (c) SCREEN: Length 40 feet, Diameter 6 inches, Type Bar-Ill 304.5

   (d) PUMP: Type standard, Size 2 hp, Capacity 230 gallons per minute; Setting depth 10 feet

   (e) POWER UNIT: Type power frame; Size 25 horsepower

4. PERMITTED VOLUME:

   (a) 105,131 acre-feet per year at a maximum rate of 236,200 gallons per minute

   (b) 1,051,311 million gallons per day at a maximum rate of 236,200 gallons per minute

(CONTINUED ON BACK) 200
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
   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 Sorghum ________.
   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?  
   (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume)
   600  902  810  920  2020
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.

Gerald Cooley
(Name)
101 Dogwood Lane
(Address)
Petal, MS 39465
(City, State, Zip)
601-544-3553
(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.

Gerald Cooley
(Signature)

Subscribed and sworn to before me this 9 day of Dec. 1999 at Forrest County of MS, State


Gerald Cooley, Notary Public.
**DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR**

**PUBLIC SUPPLY WELLS PROJECT**

**GPS LOG**

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>UNIT DEQ #:</td>
<td>82555</td>
<td>FILE #:</td>
<td>C063000A</td>
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<tr>
<td>HEALTH DEPT. #:</td>
<td>180001-02</td>
<td>ELEV.</td>
<td>290</td>
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<tr>
<td>USGS #:</td>
<td>C400</td>
<td>OLWR #:</td>
<td>CW-7164</td>
</tr>
<tr>
<td>OWNER:</td>
<td>Barron Town Water Assoc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOCATION: NE-NE-SE</td>
<td>52-T 5NR 12W</td>
<td>COUNTY:</td>
<td>Forrest</td>
</tr>
<tr>
<td>LOCATION DESCRIPTION:</td>
<td>AT Old Elev. Water Tank on S side of Old Richton Rd. 1.5 mi. East of Herrington Rd.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CASING DIA:</td>
<td>8&quot;</td>
<td>PUMP TYPE &amp; SIZE:</td>
<td>25 HP Elec.</td>
</tr>
<tr>
<td>GPS FIELD LOCATION:</td>
<td>LAT. 31° 22.883</td>
<td>LONG.</td>
<td>89° 10.749</td>
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<tr>
<td>GPS CORRECTED LOCATION:</td>
<td>LAT. 31° 22.53.399</td>
<td>LONG.</td>
<td>89° 10.45.029</td>
</tr>
<tr>
<td>REMARKS:</td>
<td>GPS at Well. 31.381500</td>
<td></td>
<td>89.179175</td>
</tr>
</tbody>
</table>

|                                      |                                      |            |         |