FORM 9-1642
(1-68)
U.S. DEPT. OF THE INTERIOR
WATER RESOURCES DIVISION
GEOLOGICAL SURVEY
WELL SCHEDULE

Well No. Q21
Equil. 224
Abandoned

MASTER CARD

Record by: 0 Source of data: MC3 Date: 9/17+ Map: Shady Grove

State: MO. 28 County: Copiah
Latitude: 31° 57' 44 N Longitude: 90° 17' 00 W
Sequential number: 1

Local well number: 021
Local use: 1,8,12,14
Owner name:

Ownership: County, Fed Govt, City, Corp or Co, Private, State Agency
Use of: Air cond, Bottling, Comm, DeWater, Power, Fire, Dom, Irr, Med, Ind, P.S, Rec,
Water: Stock, Instl, Unused, Repurpose, Recharge, Drill-P.S, Drill-other, Other

DATA AVAILABLE:

Freq. W/L meas.: Field aquifer char.

WELL-DESCRIPTION CARD

Depth well: 3:12 Casing type: 16 x 8 in
Finish: concrete, (perf.), (screen), galley, end
Method: Reverse trenching, driven, drive rot., percussion, rotary
Date Drilled: 6/17/74 Pump intake setting:

Driller: M. L. D. S.

Water level: 1:15:1 Accuracy:

Drawdown: Yd.

QUALITY OF WATER DATA:

Sp. Conduct.

Taste, color, etc.

3/19/72 P.L.B./DC
HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: 0:3

Drainage Basin: 1:3:V

Subbasin: 24

Topo of well site: depression, stream channel, dunes, flat, hilltop, sink, swamp.

MAJOR AQUIFER:

System: T:M

Series: S

Origin: 3

Aquifer, formation, group: 2:4

Thickess: 45 ft

Lithology:

Length of well open to: 4:10 ft

Depth to top of: 2:6:5 ft

MINOR AQUIFER:

System: 44

Series: 45

Aquifer, formation, group: 46

Thickess: ft

Lithology:

Length of well open to: 4:10 ft

Depth to top of: 2:6:5 ft

Intervals Screened:

Depth to consolidated rock: 4:10 ft

Source of data: 2:4

Depth to basement: 4:10 ft

Source of data: 2:4

Surficial material:

Infiltration characteristics:

Coefficient

Trans: spd/ft 2:4

Coefficient Storage:

Coefficient: 2:4

Perm: spd/ft 2; Spec cap: spd/ft

WL = 145' 9/13/91

20' Air line

Sand mod 262'-313'
<table>
<thead>
<tr>
<th>LANDOWNER: CITY OF</th>
<th>HALE HURST #4</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>WELL</th>
<th>description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Top Soil</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Sandy Clay</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>14</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>32</td>
<td>126</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>126</td>
<td>188</td>
</tr>
<tr>
<td></td>
<td>Sand with Claystone</td>
<td>188</td>
<td>262</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>262</td>
<td>292</td>
</tr>
<tr>
<td></td>
<td>Sand, Medium</td>
<td>292</td>
<td>313</td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>313</td>
<td>360</td>
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<tr>
<th>WELL LOCATION:</th>
<th>NE 4 SW 1/4, SW 1/4</th>
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<tbody>
<tr>
<td>sec.</td>
<td>6</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>WELL PURPOSE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(home, irrigation, municipal, industrial)</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>WELL COMPLETION DATA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) diameter (inches)</td>
</tr>
<tr>
<td>(2) total depth (feet)</td>
</tr>
<tr>
<td>(3) static water level (feet)</td>
</tr>
<tr>
<td>(4) casing B.I. (material) (depth)</td>
</tr>
<tr>
<td>(5) screen (length) (depth to top)</td>
</tr>
<tr>
<td>(6) pump (HP) (yield gpm)</td>
</tr>
<tr>
<td>(7) electric log (yes or no)</td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DRILLERS REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>---------------------</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>date well completed</th>
<th>1974</th>
</tr>
</thead>
<tbody>
<tr>
<td>firm name</td>
<td>RIVER DRILLING CO.</td>
</tr>
<tr>
<td>county well located</td>
<td>HALE HURST #4</td>
</tr>
</tbody>
</table>
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 box is for office use only.

Issue Date: 3-8-88  Expire Date:  

Fee Paid: X  Permit No.  

Lat.  Long.  Elev.  USGS No.  

Quad.  ASCS Farm No.  STAC.  MSDOH No.  


Remarks: Dam Inv. No.  

THIS APPLICATION IS FOR (Circle one): NEW PERMIT  RENEWAL PERMIT NO. GM-008210

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) 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 HAZLEHURST  
(64-6000437)  
P.O. BOX 549  
(Address)  
HAZLEHURST, MS 39038  
(City)  
(601) 894-3131  
(Telephone)  

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

MAP SENT  

RECEIVED  SEP 23, 1997  
( )  
( )  

Dept. of Environmental Quality  
Office of Land & Water Resources

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

NW 1/4 of the NW 1/4 of Section 7  Township 10-N  Range 9-E  County Copiah

( )  

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 name and amount of any additional supply and, if applicable, list permit number:  

MS-GW-05354; GW-008203; GW-008206; GW-008207; GW-008208; GW-008209

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MIocene  MISSISSIPPI DEPARTMENT OF HEALTH NO.: 15-0007-08

2. Proposed work will begin on 19 and will be completed by 19.  
If well has already been drilled, when was well completed (date)? 10-00-1974.  
Under whose name was well originally drilled (if known)?  

3. Description of proposed or completed well:  
   (a) DEPTH OF WELL: 312 Feet  DRILLER: GRINDER  
   (b) SURFACE CASING: Length feet; Diameter inches; Type STEEL  
   (c) SCREEN: Length 40 feet; Diameter 8 inches; Type BAR WELDED STAINLESS  
   (d) PUMP: Type RKL; Size 10 Applications; Capacity 350 gallons per minute; Setting depth 234 feet  
   (e) POWER UNIT: Type ; Size horsepower  

4. PERMITTED VOLUME:  
   (a) acre-feet per year at a maximum rate of gallons per minute  
   (b) .504 million gallons per day at a maximum rate of 350 gallons per minute

(CONTINUED ON BACK)
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: _________________________________________________________________________________________
   Maximum capacity: ___________________________________________________________________________
   _____________________________________________________________________________________________
   _____________________________________________________________________________________________
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3. _________________________________________________________________________________________
   _________________________________________________________________________________________
   _________________________________________________________________________________________
   _________________________________________________________________________________________

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 Farrow
   B. Land Condition (circle one) - Precision Land Farmed 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?
   __________ MGD 1997 __________ MGD 2007 __________ MGD 2012
   (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.

SUE B. BROWN, CITY CLERK
(Name)

P. O. BOX 549
(Address)

HAZLEHURST, MS 39083
(City, State, Zip)

(601) 894-3131
(Telephone)

Subscribed and sworn to before me this ____________ day of __________________, 1997, at 9:00 a.m. County of ________, State of Mississippi, in the presence of William L. Wright, D. C., Public Notary.

My commission expires Jan. 1, 2000

By: [Signature]

ANN EXHIBIT MAP OF LAND maize. The accompanying map is hereby declared a part of this application. In connection with irrigation and fish culture use, an ASCS photograph is required. A TEN DOLLAR ($10.00) permit fee is enclosed herewith.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAC/DCB
DATE: 6/16/94
UNIT DEQ #: 82859
FILE #: A061614Q
HEALTH DEPT. #: 150007-08 & -11
ELEV. 440
USGS #: Q-21/Q25
OLWR #: GW-8210 AB
OWNER: HAZLEHURST TOWN
LOCATION: SE/4 SW/4 S 7 T 19 N 96
COUNTY: Cope
LOCATION DESCRIPTION: 3/4 mile E. of gravid drive, well
on W. side, in fenced area
CASING DIA: ------- PUMP TYPE & SIZE: Turbine / 40
GPS FIELD LOCATION: LAT. 31-51-43 LONG. 90-20-33
GPS CORRECTED LOCATION: LAT. 31 51 42.827 LONG. 90 20 34.454
REMARKS: 3/4 mile S on 472E Left side of road
Shady Grove Road

Edward Cowell
Highland Chief

Q21 was abandoned.
I think the -08 tag was moved to Q25.

Q25 is the -11 well.
Q21 is the -08 well
using same lat/long for both.

Redone 3/19/02 RLB/DC

(08) 31.86196 90.34293 -11 31.86180 90.34306