Site ID: 3.349, 0.089, 48.4, 50.1

Data reliability: 3-C
Report agency: 4-USGS
Dist. 6=28
Co. 7=28
Well No. 12=176

Location: SE/SE NW Hyd. Unit (OMDC)
Water use: 23-W
Date: 21=12, 21, 21, 11, 11, 11

Owner: Bowater Newsprint South

Field on:

Temp. 196=00010
Cond. 196=00095
pH 196=00040

R=58*
Date 60=12, 29, 17, 8, 3

R=76*
Top csng 776
Bot. csng 78=43

R=82*
Type 85
Diam. 87=12
Size 88=1

R=82*
Type 85
Diam. 87=14
Size 88=1

Yield: 1478.1
Q=150
Q/S 272
<table>
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<tr>
<th>LANDOWNER</th>
<th>Clay Bailey</th>
<th>description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
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<tbody>
<tr>
<td>route &amp; box D47</td>
<td>clay</td>
<td>0 24</td>
<td></td>
<td></td>
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<tr>
<td>coffeyville, MS</td>
<td>sand &amp; clay</td>
<td>24 39</td>
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<tr>
<td>38922</td>
<td>sand</td>
<td>39 54</td>
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<tr>
<td></td>
<td>clay</td>
<td>54 69</td>
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<tr>
<td></td>
<td>sand &amp; clay</td>
<td>69 83</td>
<td></td>
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<tr>
<td></td>
<td>clay</td>
<td>83 98</td>
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<tr>
<td></td>
<td>sand</td>
<td>98 113</td>
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<td></td>
<td>clay</td>
<td>113 152</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>clay &amp; sand</td>
<td>152 193</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>clay</td>
<td>193 188</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WELL LOCATION:**
- sec 31 23 N 5 E
- miles (direction) of nearest town
  - 113 miles

**WELL PURPOSE:**
- (home, irrigation, municipal, industrial)
  - clay & sand

**WELL COMPLETION DATA:**
1. diameter (inches) 12
2. total depth (feet) 188
3. static water level (feet) below top of ground
4. casing (material) steel 188
5. screen (length) 48 (depth to top) 12
6. pump (HP) 1000 (yield gpm) diesel
7. electric log (yes or no) yes
8. how well bottom plugged

**DRILLERS REMARKS:**
- REEIVED

**DEPT. OF NATURAL RESOURCES**
- BUREAU OF LAND & WATER RESSOURED
- JUN 28 1984
If well telescopes please sketch and show depths.

GROUND LEVEL

SECTION

Please indicate well location X.

ADDITIONAL INFORMATION

If more than one screen, show locations of each on sketch.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME (S): RLB
DATE: 10-4-2002

UNIT DEQ #: ________________
FILE #: ________________

HEALTH DEPT. #: ________________
ELEVATION: ________________

USGS #: B032

OLWR #: MS-GW-02815

OWNERS: BOWATER NEWSPRINT
QUAD: GRENADA

LOCATION: SE/SE/NW S ____ T ____ R ____ COUNTY GRENADA

LOCATION DESCRIPTION: NORTH WELL DIESEL

__________________________________________

CASING DIA: ________________
PUMP TYPE & SIZE: ________________

GPS FIELD LOCATION: LAT. 33.81748
LONG. -89.81400

GPS CORRECTED LOCATION: LAT. ________________
LONG. ________________

REMARKS:
33° 49' 03"
89° 48' 50.9"

USED DURING PERIODS OF LOW RIVER FLOWS. P000752PDS

__________________________________________
STATE OF MISSISSIPPI
Department of Environmental Quality
Office of Land and Water Resources
P. O. Box 10631
Jackson, Mississippi 39289-0631

PERMIT
TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS
This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq.(1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder.
Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

PERMIT NUMBER: MS-GW-02815
LANDOWNER NAME: BOWATER NEWSPRINT SOUTH INC.
LANDOWNER ADDRESS: 1000 PAPERMILL ROAD
                      GRENAKA   MS  38901 -
SOURCE OF WATER: MERIDIAN-UPPER WILCOX AQUIFER
BENEFICIAL USE: Standby, Industrial
DIVERSION/WITHDRAWAL LOCATION: NW 1/4 of the SE 1/4 Section 31
                                             Township 23N, Range 05E
COUNTY: GRENAKA
MAXIMUM VOLUME: 0.000 Million Gallons per Day
MAXIMUM RATE: 1200 Gallons per Minute
APPLICANT NAME: BOWATER NEWSPRINT SOUTH INC.
APPLICANT ADDRESS: 1000 PAPERMILL ROAD
                    GRENAKA   MS  38901 -
DATE PERMIT ISSUED: 12/09/1986
DATE PERMIT EXPIRES: 01/14/2007
DATE MODIFIED: 04/08/2002
This permit shall be deemed null and void if well construction is not completed within one (1) year of permit issue date.
SPECIAL TERMS AND CONDITIONS: See Attachment 1 which is hereby declared part of this permit.

Charles T. Branch
Office Head