WELL SCHEDULE

FIPS: 21
WELL: F69
LOG NO.: ____________

Recorded by: Phillips Data Source: Driller's log Date: 12/09/04
County: Claiborne Permit No.: GW14989 DOH No.: 0110011-03
Quad: Grand Gulf Elevation: 140

1/4: ______ 1/4: ______ 1/4: ______ 1/4: ______ Sec.: 12 T: 12N R: 2E

Plotted on quad?: _______ In field? _______ From drillers log? _______ From permit? _______
Latitude: ____________ Longitude: ____________ GPS? 6/16/98 From Quad? _______

Primary aquifer: MOCN Secondary aquifer: _______
Use: IN Well status: _______ Local well name: _______
Owner: System Energy Resources, Inc

Date completed: 8/1/95 Driller: Layne Central Well depth: 163 Hole Depth: 163
Pump type: T Power type: E Pump capacity: 564 HP: 50
Casing interval: 0-102 Casing length: 102' Casing diameter: 18" Casing type: Steel
Casing interval: 0-122 Casing length: 122' Casing diameter: 12" Casing type: Steel
Screen interval: 122-162 Screen length: 40' Screen diameter: 12" Screen type: SS
Screen interval: _______ Screen length: _______ Screen diameter: _______ Screen type: _______
Type of logs: _______ Log interval: _______
Initial water level: 90 Date: 8/1/95 M.P. description: _______

Water Quality Data? _______ Source: ____________ Reliability: _______
Water Level Data? _______ Source: ____________ Reliability: _______
Pump Test Data? _______ Source: ____________ Reliability: _______
Water Use Data? _______ Source: ____________ Reliability: _______
<table>
<thead>
<tr>
<th>FORMATION ENCOUNTERED</th>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown Clay</td>
<td>0'</td>
<td>90'</td>
</tr>
<tr>
<td>Yellow Clay</td>
<td>90'</td>
<td>95'</td>
</tr>
<tr>
<td>Sand &amp; Gravel</td>
<td>95'</td>
<td>155'</td>
</tr>
<tr>
<td>Blue Clay</td>
<td>155'</td>
<td>160'</td>
</tr>
</tbody>
</table>

PUMP DATA
- Pump Type: Jet
- Power Type: Diesel
- Pumps: 5
- No. of Stages: 5
- Setting Depth: 150 ft
- Pump Test: Well yielded 564 GPM with a drawdown of 13 ft after 1 hour of pumping.

WELL DATA
- Well Depth: 159'
- Casing Diameter (in.): 18'
- Casing Length (ft): 102'
- Steel: 163'
- Casing Depth: 90'
- Type of Completion: Open Hole
- Well Grouted to a depth of 163 feet
- Type of Grout: Bentonite

SCREEN DATA
- Diameter: 12''
- Length: 40'
- Screen Type: S.S. Wire Wrap
- Depth of Screen: 163'
- Top of Ladder: 10'
- Top of Pipe: 10'

GEOLOGIC DATA
- Description of Formations Encountered:
  - Brown Clay: 0' - 90'
  - Yellow Clay: 90' - 95'
  - Sand & Gravel: 95' - 155'
  - Blue Clay: 155' - 160'

Other:
- Well owner: Entergy Operations, Inc.
- Location: Jackson, MS 33986-1995
- Nearest Town: North of MS 6W-2967
- Other Points of Reference: Industrial, Fan Pond, etc.
If well telescopes please sketch and show depths.

**GROUND LEVEL**

18" 2
Cement 2
12" 2
102'
112'
152'
162'

**SECTION 12**

Please indicate well location X.

**ADDITIONAL INFORMATION**

Bottom casing 102'
Screen 112-152'
Can 152-162'

Casing extended to surface

If more than one screen, show location of each on sketch.
## FORMATION LOG

**DRILLED FOR**
Entergy Operations  
**ADDRESS**
Grand Gulf Nuclear Power Plant, Port Gibson, Miss.  
**DATE** 08/04/95  
**COUNTY** Claiborne

<table>
<thead>
<tr>
<th>TOTAL DEPTH</th>
<th>EACH STRATUM</th>
<th>FORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-90</td>
<td>90</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>90-95</td>
<td>5</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>95-155</td>
<td>60</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>155-162</td>
<td>7</td>
<td>Blue Clay</td>
</tr>
</tbody>
</table>

**Well Permit #**  
MS-GW-14989

**DRILLING TIME**
SIZE TEST HOLE 23"  
**DRILLER** Clinton Earl Dunn  
**HR. DAYS ON JOB** 5  
**TYPE BIT USED** reverse flow roller  
**FIELD SUPT** A. K. Collins
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USGS #: FO064  HEALTH DEPT. #: 0410011-03  OLWR #: GW-14969

OWNER: System  Energy  Res  COUNTY: Claiborne
LOCATION: IR IR Sec 12 12 N 2E
QUAD: Grand Gulf  ELEV:

GPS FIELD LOCATION: LAT: 32.0172  LONG: 91.05406

LOCATION DESCRIPTION: Farthest well north

CASING DIAMETER: 18"  PUMP TYPE AND H.P.: Turb.

USER NAME(S)  RLB/PCP  DATE: Feb 18, 2005  PICTURE #:

REMARKS: Tagged
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Richard Ingram  DATE: 6-10-93
UNIT DEQ #: OPC/GWPS  FILE #:
HEALTH DEPT. #: 010011-03  ELEV. 150'
USGS #: 634  OLWR #: GW14989
OWNER: System Energy Resources, Inc.  County: Claiborne
LOCATION: NW 1/4 RR 1 S 1/2 T12N R2E  COUNTY: Claiborne
LOCATION DESCRIPTION: beside water tower

CASING DIA:  PUMP TYPE & SIZE:

GPS FIELD LOCATION: LAT. 32.011414  LONG. 91.053964
*GPS CORRECTED LOCATION: LAT. 32°00'41.09"  LONG. 91°03'14.27"
REMARKS: Grand Gulf Nuclear Power Station

NOTE: Position taken = 10' e/ of well due to locked fence

Well # verified by employee at site

* real-time, corrected and averaged data collected
Map center is 32° 00' 42"N, 91° 03' 15"W (WGS84/NAD83)

**Grand Gulf** quadrangle

Projection is UTM Zone 15 NAD83 Datum

Map center is 32° 00' 41"N, 91° 03' 14"W (WGS84/NAD83)
**Grand Gulf** quadrangle
Projection is UTM Zone 15 NAD83 Datum