

This hole had a casing failure, so they moved over to drill again

PaA  
11/4/12

County: Loundes  
 Permit #: MS-ED-16988  
 Driller: Donald Smith Co. Inc  
 Date drilling completed: 12/11/12  
11/4/12

**State Well Report**  
**Part 1 - Driller's Log**  
 Mississippi Department of Environmental Quality  
 Office of Land and Water Resources  
 P.O. Box 10631  
 Jackson, MS 39289-0631  
 (601)961-5210  
 (601)354-6938 (fax)

For Office Use Only:  
 Aquifer: \_\_\_\_\_  
 Well #: E32  
 L. S. Elevation: \_\_\_\_\_  
 E-log #: \_\_\_\_\_

State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.

|  |  |
|--|--|
| <b>Information on Well Owner</b><br>(Landowner if borehole is not for a water well)<br>Owner Name <u>Loundes Co. Ind Dev Auth</u><br>Mailing Address: <u>PO Box 1328</u><br><u>Columbus MS 39703</u><br>City State Zip Code<br>Telephone No. <u>(662) 328-8369</u> | <b>Well or Borehole Location</b><br>Latitude: <u>33° 46' 41" N</u> Longitude: <u>88° 07' 13" W</u><br><u>33 28 06 88 36 26</u><br>Method of Lat/Long (circle one): Conventional Survey,<br>USGS quad, <u>(Hand-held GPS)</u> Survey-grade GPS<br><u>NW 1/4 SE 1/4 Sec 34 Twn 19N Rng 16E</u><br>Distance Direction Nearest Town<br><u>10 Miles W of Columbus, MS</u> |
|--|--|

**Well / Borehole Data**

Date drilling started: 5/02/12 Date drilling completed: 7/16/12 Hole depth: 1514 Hole diameter: 25"

Location of the source of any surface water used for drilling: Public Water Supply  
 Method of dosing and volume of Chlorine used in drilling and development: Potable water used

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: \_\_\_\_\_  
 Name of organization running log(s): TEACO

Purpose of borehole (check one): Water Well  Geotechnical/Geological Investigation \_\_\_\_\_ Ground Source Heat Pump \_\_\_\_\_  
 Seismic Survey \_\_\_\_\_ Other (describe) \_\_\_\_\_

*If drilling is not related to water well construction, skip the remainder of this block*

Purpose of Well (check one): Home \_\_\_\_\_ Industrial  Public Supply \_\_\_\_\_ Irrigation \_\_\_\_\_ Fish Culture \_\_\_\_\_ Other: \_\_\_\_\_

If a flowing well, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: N/A feet above or below (circle one) land surface Date measured: N/A

Method of Measurement (circle one) steel tape electric tape air line other: \_\_\_\_\_

Well depth: \_\_\_\_\_ Well grouted to a depth of 1245 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 1245 feet Casing diameter: 20 inches Type of casing: Steel

Screen length: N/A feet Screen diameter: \_\_\_\_\_ inches Type of screen: \_\_\_\_\_

Screen slot size: \_\_\_\_\_ inches Setting depth: From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development  
 Other (describe): Never completed

Top of lap pipe or reduction in casing: \_\_\_\_\_ feet. *If telescoped or more than one screen, describe on next page*

The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground Level       

Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

| Description of Formations Encountered | From (depth) To (depth) |     |
|---------------------------------------|-------------------------|-----|
|                                       | Ground Level            |     |
| Top Soil                              | 0                       | 1   |
| Chalk                                 | 1                       | 8   |
| Rock w/ marl                          | 8                       | 88  |
| Rock & marl streaks                   | 88                      | 90  |
| Marl                                  | 90                      | 280 |
| Sand & marl                           | 280                     | 310 |
| Sand                                  | 310                     | 320 |
| Hard Rock                             | 320                     | 322 |
| Sand                                  | 322                     | 348 |
| Marl w/ Sand                          | 348                     | 380 |
| Marl w/ Rock                          | 380                     | 398 |
| Sand & marl                           | 398                     | 406 |
| Marl                                  | 406                     | 407 |
| Marl w/ Rock                          | 407                     | 440 |
| Sand                                  | 440                     | 448 |
| Marl                                  | 448                     | 466 |
| Marl w/ sand streaks                  | 466                     | 471 |
| Sand & marl                           | 471                     | 495 |
| Marl                                  | 495                     | 525 |
| Sand & marl                           | 525                     | 543 |
| Sand & Rock                           | 543                     | 586 |
| Marl w/ streaks                       | 586                     | 701 |
| Marl                                  | 701                     | 713 |

If more than one screen, show location of each on sketch

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.

Landowner Name: \_\_\_\_\_

Form: OLWR-SWR-1A

I certify that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state law.

Donald Smith  
Print Name of Responsible Licensee and License No.

1/30/13  
Date

Donald Smith  
Signature of Licensee

|               |               |
|---------------|---------------|
| 701' - 713'   | MARL          |
| 713' - 754'   | SAND          |
| 754' - 758'   | MARL          |
| 758' - 802'   | SAND          |
| 802' - 812'   | MARL          |
| 812' - 824'   | SAND W/MARL   |
| 824' - 859'   | MARL          |
| 859' - 974'   | SAND & GRAVEL |
| 974' - 1013'  | GRAVEL & ROCK |
| 1013' - 1036' | MARL          |
| 1036' - 1058' | SAND          |
| 1058' - 1079' | SAND W/CLAY   |
| 1079' - 1211' | MARL & ROCK   |
| 1211' - 1226' | SAND W/MARL   |
| 1226' - 1246' | MARL W/ROCK   |
| 1246' - 1277' | SAND & MARL   |

|               |                    |
|---------------|--------------------|
| 1277' - 1300' | ROCK & MARL        |
| 1300' - 1321' | SAND               |
| 1321' - 1326' | ROCK & SAND        |
| 1326' - 1370' | SAND               |
| 1370' - 1416' | SAND & ROCK        |
| 1416' - 1451' | SAND               |
| 1451' - 1462' | MARL & ROCK        |
| 1462' - 1514' | MARL & SAND & ROCK |



Water Wells • Pumps & Service • Utility Construction

**BRANCHES**

P.O. Box 38  
Shannon, MS 38868  
Phone: (662) 767-9777

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Richland, MS 39218  
Phone: (601) 432-4511