

# State Well Report

Part 1

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 #: H-101  
L. S. Elevation: \_\_\_\_\_  
E-Lot #: \_\_\_\_\_

County: LAUDERDALE 075  
Permit #: MS-GW-16002  
Driller: LAYNE-CENTRAL Company  
Date Drilling Completed: 4/9/04

**State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.**

| Well Owner Information                          | Well Location  |
|---|--|
| Owner Name <u>NORTH LAUDERDALE WATER ASSOC.</u> | Latitude: _____ Longitude: _____   |
| Mailing Address: <u>PO BOX 143</u>              | Method of Lat/Long (circle one): <input type="radio"/> Conventional Survey |
| <u>BAILEY, MS</u> <u>39320</u>                  | USGS quad, Hand-Held GPS, Survey-grade GPS                                 |
| City State Zip Code                             | <u>1/4</u> <u>1/4</u> Sec <u>1</u> Twn <u>7N</u> Rng <u>16E</u>            |
| Telephone No. ( <u>601</u> ) <u>681-6157</u>    | Distance Direction Nearest Town  |
|   | <u>3</u> Miles <u>NORTH</u> of <u>MARION</u>                               |

**Well Data**

Purpose of Well (circle one) Home Industrial  Public Supply Irrigation Fish Culture Other: --

Date well drilling started: 1/16/04 Date well drilling completed: 4/9/04

If flowing, method of flow regulation: Valve N/A Other (describe) --

Static Water Level: 238' feet above or  below (circle one) land surface Date Measured: 4/7/04

Method of Measurement (circle one) steel tape  electric tape air line Other: --

Hole depth: 780' Well depth: 505' Well grouted to a depth of 445' feet

Type of grout (circle one)  Cement Bentonite Mix

Casing length: 445 feet Casing diameter: 16 inches Type of casing: STEEL, EPOXY COATED

Screen length: 55 feet Screen diameter: 10 inches Type of screen: STAINLESS, ROD-BASED

Screen slot size: 0.025 inches Setting depth: From 450 feet to 505 feet

Type of completion (circle all applicable):  Gravel Packed  Underreamed Telescoped Open Hole Natural Development

Other (describe): --

Top of lap pipe or reduction in casing: 390 feet. If telescoped or more than one screen, describe on back of page.

Logs run (circle all applicable): No log run  Electric  Gamma Ray Density Sonic Neutron Other: --

Name of organization running log(s): LAYNE-CENTRAL, JACKSON, MS

**I certify that the well was drilled, constructed and completed in accordance with applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.**

LAYNE-CENTRAL

0-064

Print Name of Water Well Contractor and License No.

Signature of Water Well Contractor

Ralph Hayes

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If well telescopes, please sketch below and show depths.

**H-101**

Ground level \_\_\_\_\_

| Description of Formations Encountered | From | To  |
|---------------------------------------|------|-----|
| CLAY                                  | 0    | 155 |
| CLAY W/ LIGNITE                       | 155  | 186 |
| CLAY                                  | 186  | 216 |
| CLAY W/ LIGNITE                       | 216  | 276 |
| CLAY W/ SHELL                         | 276  | 306 |
| CLAY W/ SAND STREAKS                  | 306  | 395 |
| CLAY W/ STREAKS FINE SAND             | 395  | 430 |
| SAND / STREAKS OF CLAY                | 430  | 448 |
| SHALE                                 | 448  | 452 |
| COARSE SAND                           | 452  | 514 |
| SAND                                  | 514  | 518 |
| STREAKS SAND & SHALE                  | 518  | 592 |
| SHALE / SANDY HARD STREAKS            | 592  | 667 |
| SAND / CLAY/ HARD STREAKS SHALE       | 667  | 673 |
| ROCK APPROX. 4"                       | 673  |     |
| SANDY CLAY                            | 673  | 680 |
| ROCK 4"                               | 680  |     |
| CLAY / SHALE/ ROCK STREAKS            | 680  | 784 |
|                                       |      |     |
|                                       |      |     |
|                                       |      |     |
|                                       |      |     |
|                                       |      |     |

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) indicate direction.

Landowner's Name: NORTH LAUDERDALE WATER ASSOCIATION

LAYNE-CENTRAL

By: *Rapl Hays*  
Signature of Water Well Contractor

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# State Well Report

Part 2

**Pump Installer's Completion Report**  
 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 #:       H-101        
 Elevation: \_\_\_\_\_

County:       LAUDERDALE        
 Permit #:       MS-GW-16002        
 Driller:       LAYNE-CENTRAL        
 Date Drilling Completed:       4/9/04      

*Copy information from block on Part 1*

**This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department of the above address within 30 days of well completion.**

| Well Owner Information   | Well Location   |
|--|---|
| Owner Name <u>      NORTH LAUDERDALE WATER ASSOC.      </u>          | Latitude: _____ Longitude: _____  |
| Mailing Address: <u>      PO BOX 143      </u>                       | Method of Lat/Long (circle one):      Conventional Survey   |
| <u>      BAILEY, MS 39320      </u>                                  | USGS quad,      Hand-Held GPS,      Survey-grade GPS  |
| City                  State                  Zip Code                | <u>      1/4      1/4      </u> Sec <u>      1      </u> Twn <u>      7N      </u> Rng <u>      16E      </u> |
| Telephone No. ( <u>      601      </u> ) <u>      681-6157      </u> | Distance                  Direction                  Nearest Town   |
|  | <u>      3      </u> Miles <u>      NORTH      </u> of <u>      MARION      </u>                              |

| Pump Type<br>Circle One  | Power Type<br>Circle One  |
|--|---|
| Air Lift                  Jet                  Submersible                 | Diesel Engine                  Gasoline Engine                  Natural Gas                           |
| Bucket                  Piston <input checked="" type="checkbox"/> Turbine | <input checked="" type="checkbox"/> Electric Motor                  Hand                  Tractor PTO |
| Centrifugal                  Rotary                  Flowing Well          | Windmill                  Other (specify): <u>      --      </u>                                      |
| Other (specify): <u>      --      </u>                                     | Horse Power Rating of Motor: <u>      100 HP      </u>  |
| Date Pump Installed: <u>      APRIL 2004      </u>                         | Setting Depth: <u>      350      </u> feet  |
| Rated Pump Capacity <u>      800      </u> Gallons Per Minute              | Number of Stages: <u>      6      </u>  |

| Pump Test Data  | Method of Measuring Water Level<br>Circle One  |
|---|--|
| Date Well Tested: <u>      2/28/05      </u>                            | Air Line <input checked="" type="checkbox"/> Electric Measuring Line                  Steel Tape |
| Static Water Level (A): <u>      215      </u> Feet Below Land Surface  | Other (specify): <u>      --      </u>   |
| Pumping Water Level (B): <u>      262      </u> Feet Below Land Surface | For flowing well, measured shut in head: <u>      --      </u> feet                              |
| Drawdown [(B) - (A)]: <u>      47      </u> Feet Below Land Surface     | Well yielded <u>      822      </u> GPM with a drawdown of                                       |
| Test Pumping Rate: <u>      822      </u> Gallons Per Minute            | <u>      47      </u> feet after <u>      24      </u> hours of pumping                          |
| Duration of Pump Test (minimum 4 hours): <u>      24      </u> hours    |  |

I hereby certify that the above statements are true to the best of my knowledge.

**DAVE COOK**                  **0-692**  
 Print Name of Pump Installer and License No. (if applicable)

*Dave Cook*  
 Signature of Pump Installer

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 Form: ~~OLWR-501-1~~

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