County: LAMAR

Permit #: MS-GW-16405

Driller: LAYNE-CENTRAL

Date drilling completed: 11/27/07

Well Driller Report and Well Log

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P. O. Box 2309
Jackson, MS 39225-2309
(601) 961-5210
(601) 354-6938 (fax)

For Office Use Only:
Aquifer:
Well #: E-291
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.

Information on Well Owner
(Landowner if borehole is not for a water well)

Owner Name: NORTH LAMAR WATER ASSOCIATION
Mailing Address: 4906 OLD HIGHWAY 11, SUITE 1A
HATTIESBURG (City) MS (State) 39402 (Zip Code)
Telephone No. (601) 264-1159

Well or Borehole Location

Latitude: N 31° 16.619' Longitude: W 89° 20.954'
31 16 37 20 57
Method of Lat/Long (circle one): Conventional Survey GPS
USGS quad, (Hand-Held GPS,) Survey-grade GPS
~~NW~~ SW ¼ ~~NE~~ SE ¼ Sec ~~36~~ 25 Twn 4N Rng 14W
Distance: 6 Miles Direction: SOUTH of Nearest Town: HATTIESBURG

Well / Borehole Data

Date drilling started: 10/26/07 Date well drilling completed: 11/27/07 Hole Depth: 1330' Hole diameter: 12"
Location of the source of any surface water used for drilling: 4" WATER MAIN WAS TAPPED.
Method of dosing and volume of Chlorine used in drilling and development: BLEACH WAS ADDED BY GRAVEL PACK.
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
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 flowing, method of flow regulation: Valve -- Other (describe) --
Static Water Level: 339 feet above or (below) (circle one) land surface Date measured: 11/27/07
Method of Measurement (circle one) steel tape (electric tape) air line other: --
Well depth: 1280' Well grouted to a depth of: 1200' Type of grout (circle one): (Neat Cement) Bentonite Mix
Casing length: 1200 feet Casing diameter: 12 inches Type of casing: STEEL
Screen length: 60 feet Screen diameter: 8 inches Type of screen: STAINLESS STEEL
Screen slot size: 0.020 inches Setting depth: From 1215 feet to 1275 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: 1153 feet. ***If telescoped or more than one screen, describe on next page.***

Form: OLWR-SWR-1A

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E-291

The sketch below only required for water wells.

If well telescopes, show depths on sketch.

Ground Level

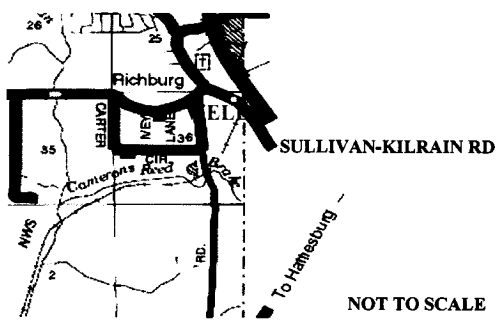
If more than one screen, show location of each on sketch.

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

Description of Formations Encountered	From	To
TOP SOIL	0	2
RED CLAY SANDY	2	25
SAND	25	45
CLAY, WHITE	45	50
SAND	50	115
WHITE CLAY	115	125
SANDY	125	140
WHITE CLAY	140	160
SANDY	160	170
CLAY	170	270
SAND	270	300
SAND; CLAY STREAKS	300	395
SAND	395	435
COARSE SAND; CLAY	435	490
SAND	490	615
CLAY	615	680
SAND & CLAY STREAKS	680	715
SAND	715	820
CLAY STREAKS	820	880
HARD SAND; CLAY STREAKS	880	920
SAND	920	1025
CHALK	1025	1090
SAND	1090	1095
CHALK	1095	1120
SAND	1120	1125
CHALK	1125	1175
SAND	1175	1180
SHALE	1180	1200
SAND & CLAY STREAKS	1200	1250
SAND	1250	1275
HARD SHALE	1275	1350
SAND & CLAY STREAKS	1350	1377
CLAY	1377	1382

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.

NORTH



Landowner's Name: **NORTH LAMAR WATER ASSOCIATION**

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 laws.

DAVE COOK **0692** _____ _____

Print Name of Responsible Licensee and License No. **Date** **Signature of Licensee**

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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 2309
Jackson, MS 39225-2309
(601) 961-5210
(601) 354-6938 (fax)

County: **LAMAR**

Permit #:

Driller: **LAYNE-CENTRAL**

Date Completed: **11/27/07**

Copy information from block on Part 1

For Office Use Only:

Aquifer:

Well #: E291

Elevation:

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 at the above address within 30 days of well completion.

Well Owner Information

Owner Name **NORTH LAMAR WATER ASSOCIATION**

Mailing Address: **4906 OLD HIGHWAY 11, SUITE 1A**

HATTIESBURG **MS** **39402**
City State Zip Code

Telephone No. (**601**) **264-1159**

Well Location

Latitude: **N 31° 16.619'** Longitude: **W 89° 20.954'**

Method of Lat/Long (check one): 37 Conventional Survey 57

USGS quad ___ Hand-Held GPS ✓ Survey-grade GPS ___

~~NE~~ SW ¼ ~~NE~~ SE ¼ Sec ~~36~~ 25 T **4N** R **14W**

Distance **6** Miles Direction **SOUTH** of Nearest Town **HATTIESBURG**

Pump Type

Circle One

Air Lift	Jet	Submersible
Bucket	Piston	(Turbine)
Centrifugal	Rotary	Flowing Well

Other (specify):

Date Pump Installed: **4/23/08**

Rated Pump Capacity **500** Gallons Per Minute

Power Type

Circle One

Diesel Engine	Gasoline Engine	Natural Gas
(Electric Motor)	Hand	Tractor PTO
Windmill	Other (specify):	

Horse Power Rating of Motor: **125**

Setting Depth: **400** feet

Number of Stages: **16**

Pump Test Data

Date Well Tested: **9/19/08**

Static Water Level (A): **339** Feet Below Land Surface

Pumping Water Level (B): **364** Feet Below Land Surface

Drawdown [(B) - (A)]: **25** Feet Below Land Surface

Test Pumping Rate: **500** Gallons Per Minute

Duration of Pump Test (minimum 4 hours): **12** hours

Method of Measuring Water Level

Circle One

Air Line (Electric Measuring Line) Steel Tape

Other (specify):

For flowing well, measured shut in head: ___ feet

Well yielded **570** GPM with a drawdown of **24.7** feet after **10** hours of pumping

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

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

Dave Cook
Signature of Pump Installer

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