County: WILKINSON

Permit #: MS-610-16565

Driller: LAYNE-CENTRAL

Date drilling completed: 5/29/09

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 #: G32

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: BUFFALO WATER ASSOCIATION

Mailing Address: BUFFALO WATER ASSOCIATION
10488 HIGHWAY 61 NORTH
WOODVILLE MS 39669
City State Zip Code

Telephone No. (601) 888-6977

Well or Borehole Location

Latitude: N 31° 15.398 (24) Longitude: W 091° 21.513 (31)

Method of Lat/Long (circle one): Conventional Survey USGS quad, (Hand-Held GPS,) Survey-grade GPS

~~NE~~ IR ¼ IR ¼ Sec 8 Twn 3 N Rng 2 W

Distance 12 Miles Direction NORTH of Nearest Town WOODVILLE

Well / Borehole Data

Date drilling started: 5/5/09 Date well drilling completed: 5/29/09 Hole Depth: 955' Hole diameter: 20"

Location of the source of any surface water used for drilling: EXISTING WELL

Method of dosing and volume of Chlorine used in drilling and development: 50 POUNDS INTRODUCED WITH 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: 135 feet above or (below) (circle one) land surface Date measured: 5/29/09

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

Well depth: 955' Well grouted to a depth of: 905' Type of grout (circle one): (Neat Cement) Bentonite Mix

Casing length: 905 feet Casing diameter: 12 inches Type of casing: STEEL

Screen length: 50 feet Screen diameter: 10 inches Type of screen: STAINLESS

Screen slot size: 0.020 inches Setting depth: From 905 feet to 955 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: 840 feet. ***If telescoped or more than one screen, describe on next page.***

Form: OLWR-SWR-1A

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BY: OLWR

G 32

The sketch below only required for water wells.

If well telescopes, show depths on sketch.

Ground Level

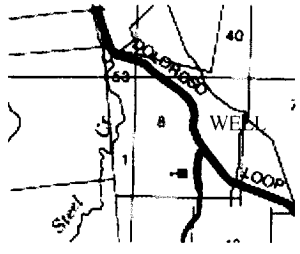
If more than one screen, show location of each on sketch.

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**	**20**
CLAY	**20**	**35**
WHITE CLAY	**35**	**40**
SANDS	**40**	**75**
RED CLAY	**75**	**110**
BLUE CLAY	**110**	**120**
SAND	**120**	**125**
CLAY	**125**	**150**
SAND	**150**	**165**
CLAY	**165**	**170**
SAND	**170**	**175**
CLAY	**175**	**270**
SAND	**270**	**315**
CLAY	**315**	**405**
SAND	**405**	**410**
CLAY	**410**	**425**
SAND	**425**	**500**
CLAY	**500**	**525**
SANDY CLAY STREAKS	**525**	**565**
SAND	**565**	**655**
CLAY/SAND	**655**	**685**
SAND	**685**	**700**
CLAY	**700**	**765**
CLAY & SAND STREAKS	**765**	**800**
CLAY	**800**	**875**
SAND	**875**	**890**
CLAY	**890**	**1035**
SAND	**1035**	**1040**
CLAY	**1040**	**1065**

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



NOT TO SCALE

Landowner's Name: **BUFFALO 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 **692**

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

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State Well Report

County: WILKINSON

Permit #:

Driller: LAYNE-CENTRAL

Date Completed: 1/17/2010

Copy information from block on Part 1

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)

For Office Use Only:

Aquifer:

Well #: G32

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: BUFFALO WATER ASSOCIATION

Mailing Address: 10488 HIGHWAY 61 SOUTH

WOODVILLE (City) MS (State) 39669 (Zip Code)

Telephone No. (601) 888-6977

Well Location

Latitude: N 31° 15.398 Longitude: W 091° 21.513

Method of Lat/Long (check one): 24 GPS ✓ 31 Conventional Survey

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

NE ¼ ___ ¼ Sec 8 T 3 N R 2 W

Distance: 12 Miles Direction: NORTH of Nearest Town: WOODVILLE

Pump Type
Circle One

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

Other (specify):

Date Pump Installed: 8/25/09

Rated Pump Capacity: 200 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: 20

Setting Depth: 236 feet

Number of Stages: 6

Pump Test Data

Date Well Tested: 11/9/09

Static Water Level (A): 138 Feet Below Land Surface

Pumping Water Level (B): 147 Feet Below Land Surface

Drawdown [(B) - (A)]: 9 Feet Below Land Surface

Test Pumping Rate: 224 Gallons Per Minute

Duration of Pump Test (minimum 4 hours): 8 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 227 GPM with a drawdown of 8 feet after 8 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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