

STATE WELL REPORT

Part 1

Driller's Log

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 2309
Jackson, MS 39225-2309
(601)961-5210
(601)360-0535 (fax)

For Office Use Only:

Well #: H0241
Aquifer: _____
E-Log #: H-0241

County: JACKSON

Permit #: _____

Driller: MS OFFICE OF GEOLOGY

Date drilling completed: 10/18//2017

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.

Well Owner Information (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: JACKSON COUNTY PORT AUTH. BIG POINT RD #1	Latitude: 30 34'33.9" Longitude: 88 31'31.2"
Mailing Address: 3303 PASCAGOULA ST	Method of Lat/Long (check one): Conventional Survey_____, USGS quad_____, Hand-held GPS <u>X</u> , Survey-grade GPS_____
City: PASCAGOULA State MS Zip Code 39567	SE ¼ SW¼ Sec 30 T 5S R 5W
Telephone No. (228) 762-4041	_____Miles _____NE_____ of (Distance) (Direction) (Nearest Town)

Well / Borehole Data
Date drilling started: 10/17/2017 Date drilling completed: 10/18/2017 Hole depth: 120' Hole diameter: 5"
Location of the source of any surface water used for drilling: Black Creek
Method of dosing and volume of Chlorine used in drilling and development: 1 GAL BLEACH TO 1000 GALLONS WATER
Logs run (circle all applicable): No log run <u>Electric</u> <u>Gamma Ray</u> Density Sonic Neutron Other:
Name of organization running log(s): MDEQ/OFFICE OF GEOLOGY
Purpose of borehole (circle one): Water Well <u>Geotechnical/Geological Investigation</u> Ground Source Heat Pump Seismic Survey Other (describe) BIG POINT RD #1
<i>If drilling is not related to water well construction, skip the remainder of this block</i>
Purpose of Well (circle all applicable): Home Industrial Public Supply Irrigation Fish Culture
Other (describe): _____
If a flowing well, method of flow regulation: Valve _____ Other (describe) _____
Static Water Level: _____ feet [above or below] land surface Date measured: _____ (circle one)
Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____
Well depth: 120 Well grouted to a depth of: 120 feet Type of grout (circle one): Neat Cement <u>Bentonite</u> Mix
Casing length: _____ feet Casing diameter: _____ inches Type of casing: _____
Screen length: _____ 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 Open hole Natural Development
Other (describe): _____
Top of lap pipe or reduction in casing: _____ feet
<i>If telescoped or more than one screen, describe on next page</i>

RECEIVED
NOV 06 2017
BY OLWR

County: JACKSON

Permit #: _____

For Office Use Only:

Well #: _____

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 (depth) Ground level	To (depth)
SEE DRILL NOTES ATTACHED		

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) north arrow

RECEIVED
NOV 06 2017
BY OLWR

Landowner Name: _____

I HEREBY 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.

ARCHIE MCKENZIE UNR-555

10/27/2017

Print Name of Responsible Licensee and License No.

Date

Signature of Licensee

Drill Hole: Jackson County Port Authority, Big Point Rd.#1; H-0241
Center of the SW ¼ of the SE ¼ of the SW ¼ Section 30, Township 5 South,
Range 5 West
GPS Coordinates: N 30.576087, W 88.525324
Jackson County, Mississippi
Elev. 35ft. MSL

RECEIVED
NOV 06 2017
BY OLWR

Date: 10-17-2017

0'-10'—Loose, quartz fine-to medium grained sand grading from reddish brown to brown in color. 7-10 feet off beige to white-colored stiff kaolinitic clay.

10'-20'—Interbedded tan loose, fine-to medium-grained quartz sand and stiff grey clay with maroon-colored mottles.

20'-30'— Top of stem: interbedded tan loose, fine-to medium-grained quartz sand and soft silty pink-colored kaolinitic clay. Rest of stem: coarse, clean, tan-colored quartz sand with quartz pea gravel.

30'-40'— Much coarser, clean, tan-colored quartz sand with white-to tan-colored with some chalky, friable, tripolitic white chert pea gravel and quartz pea gravel..

40'-50'—Clean tan-colored quartz sand, much finer-grained.

50'-60'— Clean tan-colored quartz sand and a large, hard, not-lignitized tree log from about 51 to 53 ½ feet.

60'-70'—Coarse, clean, quartz sand with varied-colored chert gravel up to ½ inch in size. 67-70 feet, stiff light grey-colored clay.

70'-80'—Steel grey-colored silty-to fine-sandy clay.

80'-90'—First 5 feet of stem, fine-grained, slightly micaceous quartz sand with dark minerals giving it a "salt and pepper" appearance. 85-90 feet: grey-colored clay with interbedded, off-white colored, silty to fine-sandy zones.

90'-100'— Silty, fine-grained, slightly micaceous quartz sand with dark minerals giving it a "salt and pepper" appearance.

100'-110'— Silty, fine-grained, slightly micaceous quartz sand with dark minerals giving it a "salt and pepper" appearance. Grading to clayey silt and then grey-green colored clay.

110'-120'—Stiff grey-green colored clay.

T.D.

(EASEN HILL)



THREE RIVERS QUADRANGLE
MISSISSIPPI
TOPOGRAPHIC SERIES

(HURLEY)

088° 32' 39.6848" W
030° 35' 57.4284" N

(HARLESTON)

088° 30' 22.2591" W
030° 35' 57.4284" N

(VANCLEAVE)

(BIG POINT)

030° 33' 09.8258" N
088° 32' 39.6848" W

(GAUTIER NORTH)

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

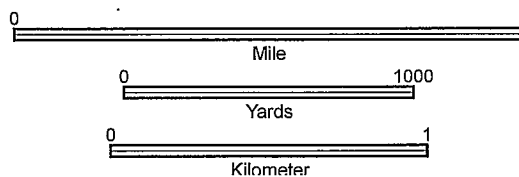
North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 22M N and
2M W

Declination

GN 0.77° W
MN 1.83° W

(PASCAGOULA NORTH)
SCALE 1:24000



CONTOUR INTERVAL 5 FT

Printed: Mon Nov 06, 2017

030° 33' 09.8258" N
088° 30' 22.2591" W

(KREOLE)

30088-E5-TM-024
THREE RIVERS, MS
JAN 1, 1982