County: Amite
Permit #: R60-4076716
Driller: Chris Blissard
Date drilling completed: 3/17/16

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
(601)961- 5210
(601)961- 5228 (fax)

For Office Use Only:
Aquifer:
Well #: F64
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: Amite Bio Energy
Mailing Address: Georgia Pacific Road 2
Glaster MS 39638
City State Zip Code
Telephone No. (____)

Well or Borehole Location

Latitude: 31 ° 10 ' 57.6 " Longitude: 91 ° 02 ' 8.5 "
Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
SE ¼ NW ¼ Sec 38 Twn 3N Rng 2E
Distance 1.28 Miles Direction SW of Nearest Town Glaster, MS

Well / Borehole Data

Date drilling started: 3/17/16 Date drilling completed: 3/17/16 Hole depth: 30' Hole diameter: 4"
Location of the source of any surface water used for drilling: City Water Supply
Method of dosing and volume of Chlorine used in drilling and development:
Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other:
Name of organization running log(s):
Purpose of borehole (check one): Water Well ___ Geotechnical/Geological Investigation X 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: ____ feet above or below (circle one) land surface Date measured:
Method of Measurement (circle one) steel tape electric tape air line other:
Well depth: ____ Well grouted to a depth of ____ feet Type of grout (circle one): Neat Cement Bentonite 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 Telescoped Open hole Natural Development
Other (describe):
Top of lap pipe or reduction in casing: ____ feet. ***If telescoped or more than one screen, describe on next page***

Form: OLWR-SWR-1A (04/08)

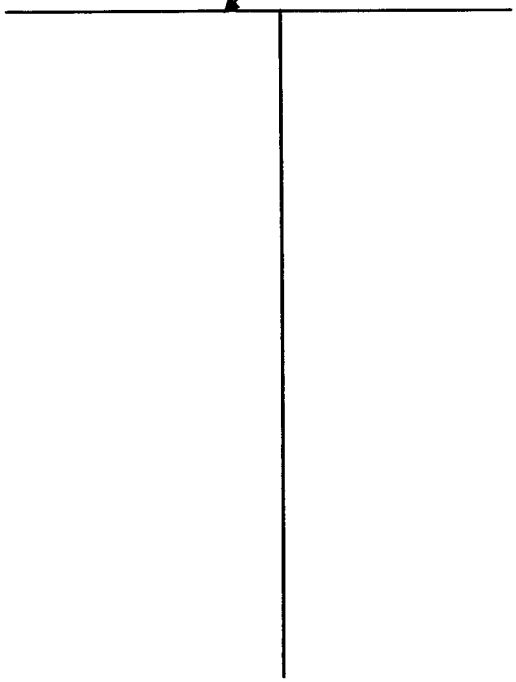
MAR 31 2016

F 64

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)	To (depth)
	Ground Level	

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 (04/08)

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.

Chris Blissard RGO-407676 3/29/16

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

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SOIL BORING LOG

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No. B-1

SHEET 1 OF 1

PROJECT: Geotechnical Investigation
Amite Bioenergy Existing Crane Rail
Gloster, Mississippi

CLIENT: Amite Bioenergy
Gloster, Mississippi

PROJECT NO.: ST.02361.000.001.02
DATE: 3/17/16
DRILLER: J. Stevens
TECHNICIAN: C. Blissard
ENGINEER: M. Volk

Location: 31°10'59.6" -91°02'08.5"

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content (%)	Unit Weight (pcf) Moist	Unit Weight (pcf) Dry	Plasticity Index PI	○ Cohesion / △ Triaxial (ksf) 1 2 3 4 — PL MC% LL — 20 40 60 80	% Passing No. 200
			Surface Elevation: 403 ft. +/-								
			Medium dense to dense tan and gray silty sand (SM)								
			- with gravel to 4'	28 b/f 14-16-12		14					27.2
5			- tan and red below 4'	18 b/f 8-9-9		10					21.1
			- loose to medium dense below 8'	9 b/f 4-4-5		9					
10											
				6 b/f 5-3-3		8					12.7
15											
			Loose to medium dense tan and red sand (SP)	8 b/f 4-4-4		6					
20											
			- medium dense below 24'	10 b/f 4-5-5		5					
25											
			- with trace of gravel below 29'	12 b/f 5-2-10		10					
30			Terminal Depth at 30.0 ft								
35											
40											
45											

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Groundwater Observations	Advancement Method	Notes
No groundwater encountered	0 - 30 ft: Machine Auger	Elevation estimated from Google Earth Pro Blow counts determined from automatic hammer
	Abandonment Method	
	Boring grouted upon completion	

SoilTech Consultants

SOIL BORING LOG WITH ELEVATION 2361.000.001.02.GPJ GEOTECHNICAL TEMPLATE.GDT 3/29/16