

County: Desoto  
 Permit #: MS-GW-49476  
 Driller: Tommy Peacock Sr  
 Date drilling completed: 8-8-16

### 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 39225-2309  
 (601)961-5210  
 (601)360-0535 (fax)

**For Office Use Only:**  
 Well #: E 172  
 Aquifer: \_\_\_\_\_  
 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.*

Well Owner Information (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Blythe Bayou Farms</u>	Latitude: <u>N34°54'56"</u> Longitude: <u>W90°12'57"</u>
Mailing Address: <u>2100 Green Village Cove</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Hernando</u> MS <u>38632</u>	<u>NW 1/4 NW 1/4, Sec 13 T.025 R.10W</u>
City State Zip Code	<u>2</u> Miles <u>W</u> of <u>Lake Cormorant</u>
Telephone No. (____) _____	(Distance) (Direction) (Nearest Town)

**Well / Borehole Data**

Date drilling started: 7-15-16 Date drilling completed: 7-15-16 Hole depth: 117' Hole diameter: 24"

Location of the source of any surface water used for drilling: nearby ditch

Method of dosing and volume of Chlorine used in drilling and development: when filling tank

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

Name of organization running log(s): \_\_\_\_\_

Purpose of borehole (circle 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 (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: 26' feet [above or  below] land surface Date measured: 7-15-16  
(circle one)

Method of measurement (circle one):  Steel tape  Electric tape  Air line  Other (describe): \_\_\_\_\_

Well depth: 117' Well grouted to a depth of: 10 feet Type of grout (circle one): Neat Cement  Bentonite  Mix

Casing length: 77' feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: 1-10SD 1-.032 inches Setting depth: From 77 feet to 117

Type of completion (circle all applicable):  Gravel packed  Underreamed  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*

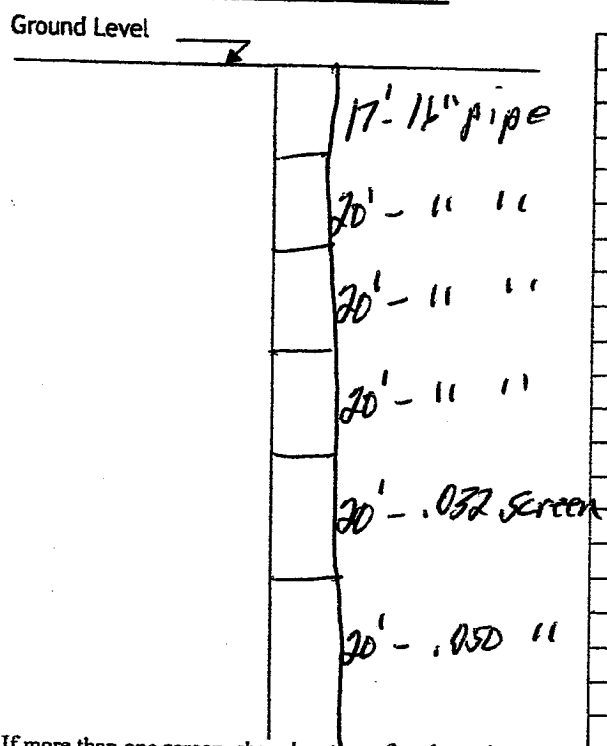
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 AUG 15 2016  
 By OLWR

County: DeSoto  
 Permit #: MS-GW-49474

**For Office Use Only:**  
 Well #: E 172

*The sketch below only required for water wells  
 If well telescopes, show depths 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	
top soil	0	15
clay	15	45
medium sand	45	55
coarse sand & gravel	55	82
coarse sand	92	105
coarse sand & gravel	105	115

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) north arrow

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By OLWR

Landowner Name: Blythe Bayou Farms

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.

Tommy Peach GR #3409 8-12-16 Tommy Peach GR

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

# 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) 360-0535 (fax)

County: DESOTO  
 Permit #: GW-49476  
 Driller: TOMMY PEACOCK SR  
 Date completed: 8-8-16  
*Copy information from block on Part 1*

**For Office Use Only:**

Well #: E172  
 Aquifer: \_\_\_\_\_

*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	Well Location
Owner Name: <u>BLYTHE BAYOU FARMS</u>	Latitude: <u>34° 51.55'</u> Longitude: <u>90° 12.58'</u>
Mailing Address: <u>2100 GREEN UPLAND COVE</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City: <u>HERNANDO</u> State: <u>MS</u> Zip Code: <u>38632</u>	NW ¼ NW ¼, Sec <u>13</u> T <u>02S</u> R <u>10W</u>
Telephone No. <u>(901) 302-7570</u>	<u>1.9</u> Miles <u>N</u> of <u>LAKE CORMORANT</u> (Distance) (Direction) (Nearest Town)

**Pump Type (circle one)**

Submersible  Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): \_\_\_\_\_

Date Pump Installed: 8-10-16 Rated Pump Capacity: 2200 Gallons Per Minute

Is This Pump (circle one):  New Repaired Replacement

**Power Type (circle one)**

Electric Diesel Gasoline Natural Gas Tractor PTO Windmill Other (describe): \_\_\_\_\_

Horse Power Rating of Motor: 60 Setting Depth: 70 feet Number of Stages: 2

**Pump Test Data for Non Flowing Well**

Date Well Tested: \_\_\_\_\_ Duration of Pump Test (minimum 4 hours): \_\_\_\_\_ hours

Static Water Level (A): 26 Feet Below Land Surface Pumping Water Level (B): \_\_\_\_\_ Feet Below Land Surface

Drawdown [(B) - (A)]: \_\_\_\_\_ Feet Below Land Surface Test Pumping Rate: \_\_\_\_\_ Gallons Per Minute

Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): \_\_\_\_\_

**Pump Test Data for Flowing Well**

Measured shut in head: \_\_\_\_\_ feet.

Well yielded \_\_\_\_\_ GPM with a drawdown of \_\_\_\_\_ feet after \_\_\_\_\_ hours of pumping

**Meter Installation**

Meter Manufacturer: McCrometer Meter Serial Number: 16-09389

Meter Model Number/Name: M0308 Type of Meter: GROUND WATER

Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): \_\_\_\_\_

Installation Date: 8-10-16 Meter installed by: CIRCLE S IRRIGATION

Is This Meter (circle one): New Repaired Replacement

*Important: By submitting the above information you are certifying that this meter was installed to manufacturer standards. For agricultural wells, a list of approved meters is on the MDEQ website.*

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

DAVID P. HOLT 0-752P 8-15-16 [Signature]  
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

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By OLWR

16-0746

**STATE OF MISSISSIPPI**

Department of Environmental Quality

Office of Land and Water Resources

P. O. Box 2309

Jackson, Mississippi 39225

E172

S. Field

16-0746

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq.(1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

Permit Number: MS-GW-49476

Landowner Name: BLYTHE BAYOU FARMS

Landowner Address: 2100 GREEN VILLAGE COVE  
HERNANDO MS 38632

Source Of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: NW 1/4 of the NW 1/4 Section: 13 Township: 02S Range: 10W

County: DESOTO

Quad: LAKE CORMORANT

Maximum Volume: 202 Acre-Feet/Year equivalent to .1803 Million Gallons/Day

Maximum Rate: 2500 Gallons/Minute

Applicant Name: BLYTHE BAYOU FARMS

Applicant Address: 2100 GREEN VILLAGE COVE  
HERNANDO MS 38632

Date Permit issued: 08/04/2016

Date Permit Expires: 08/04/2021

Date Permit Modified:

Date Permit Re-issued:

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

SPECIAL TERMS AND CONDITIONS:

SPECIAL TERMS AND CONDITIONS 2: SEE ATTACHMENT 1, WHICH IS HEREBY DECLARED TO BE PART OF THIS PERMIT.

Gary C. Rikard, Executive Director  
Mississippi Department of Environmental Quality

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AUG 15 2016

By OLWR