

Gluckstadt Co<sup>2</sup> plant

### 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 #: T83  
Aquifer: \_\_\_\_\_  
E-Log #: \_\_\_\_\_

County: Madison  
 Permit #: MS-GW-16986  
 Driller: John W. Thompson  
 Date drilling completed: 8-31-12

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>Denbury Onshore</u>		Latitude: <u>32°29'50.4"</u> Longitude: <u>-90°03'16.2"</u>	
Mailing Address: <u>PO Box 6506</u> <u>Laurel MS 39441</u>		Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____	
City	State	Zip Code	1.5 Miles <u>SE</u> of <u>Gluckstadt</u>
Telephone No. <u>(601) 428-1998</u>			(Distance) (Direction) (Nearest Town)

Well / Borehole Data

Date drilling started: 8-21-12 Date drilling completed: 8-31-12 Hole depth: 583 Hole diameter: 11"

Location of the source of any surface water used for drilling: existing water well

Method of dosing and volume of Chlorine used in drilling and development: added 12 gallons of bleach to water

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: 150 feet (above or  below) land surface Date measured: 8-31-12  
(circle one)

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

Well depth: 580 Well grouted to a depth of: 50 feet Type of grout (circle one): Neat Cement  Bentonite  Mix

Casing length: 480 feet Casing diameter: 6 inches Type of casing: PVC 6" 90D SDR17 Cert. 10k

Screen length: 100 feet Screen diameter: 4 inches Type of screen: PVC Slotted

Screen slot size: .010 + .008 inches Setting depth: From 480 feet to 580 feet

Type of completion (circle all applicable): Gravel packed  Underreamed  Open hole  Natural Development

Other (describe): \_\_\_\_\_

Top of tap pipe or reduction in casing: 480 feet

*If telescoped or more than one screen, describe on next page*

Form: OLWR-SWR-1A (12/13)

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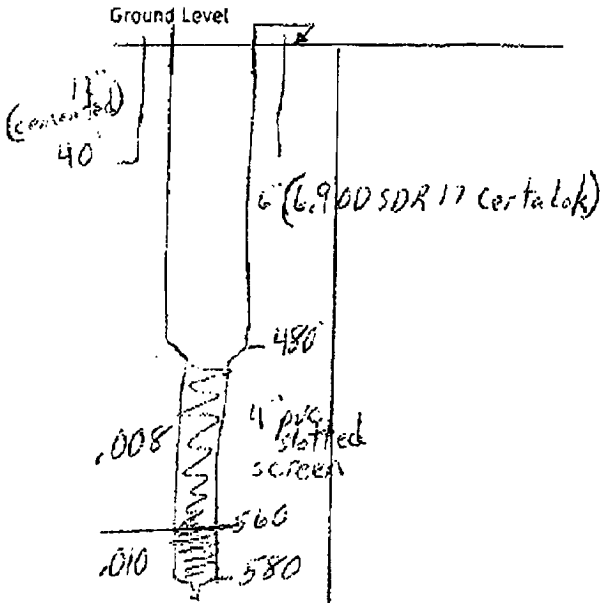
County: Madison  
 Permit #: MS 68-16986

For Office Use Only:  
 Well #: T83

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)
Clay	Ground level	240
Clay + sand strips	240	480
fine sand	480	583

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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Landowner Name: Derbury Ashore

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.

John W Thompson 0679     7-9-13     John W Thompson  
 Print Name of Responsible Licensee and License No.     Date     Signature of Licensee

Form: OLWR-SWR-1A (4/13)

### 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)

#### For Office Use Only:

Well #: T&3

Aquifer: \_\_\_\_\_

County: Madison  
 Permit #: MS-GW-16986  
 Driller: John W Thompson  
 Date completed: 8-31-13  
 Copy information from block on Part 1

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>Dunbury Onshore</u>	Latitude: <u>32°29'50.4"</u>		Longitude: <u>90°03'16.2"</u>		
Mailing Address: <u>P.O. Box 6506</u>	Method of Lat/Long (check one): Conventional Survey _____				
<u>Lawrence MS 39441</u>	USGS quad _____ Hand-held GPS <input checked="" type="checkbox"/> Survey-grade GPS _____				
City _____ State _____ Zip Code _____	<u>S W 1/4 NW 1/4, Sec 36 T 8 N R 2 E</u>				
Telephone No. ( ) _____	<u>1.5</u> Miles <u>SE</u> of <u>Gluckstadt</u>		(Distance) (Direction) (Nearest Town)		

**Pump Type (circle one)**  
 Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): \_\_\_\_\_  
 Date Pump Installed: 9-1-13 Rated Pump Capacity: 200 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: 20 Setting Depth: 295 feet Number of Stages: 5

**Pump Test Data for Non Flowing Well**  
 Date Well Tested: 9-1-13 Duration of Pump Test (minimum 4 hours): 24 hours  
 Static Water Level (A): 150 Feet Below Land Surface Pumping Water Level (B): 253 Feet Below Land Surface  
 Drawdown ((B) - (A)): 103 Feet Below Land Surface Test Pumping Rate: 200 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: \_\_\_\_\_ Meter Serial Number: \_\_\_\_\_  
 Meter Model Number/Name: \_\_\_\_\_ Type of Meter: \_\_\_\_\_  
 Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): \_\_\_\_\_  
 Installation Date: \_\_\_\_\_ Meter installed by: \_\_\_\_\_  
 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.  
John W Thompson 0-679 7-9-13  
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

Form OLWR-SWR-18 (4/13)

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