

Heidelberg Co² 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 #: U53
Aquifer: _____
E-Log #: _____

County: Jasper
Permit #: _____
Driller: John W Thompson
Date drilling completed: 8-28-13

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 <small>(Landowner if borehole is not for a water well)</small>	Well or Borehole Location
Owner Name: <u>Denbury Onshore</u>	Latitude: <u>31°53'42"</u> Longitude: <u>88°59'34"</u>
Mailing Address: <u>P.O. Box 6506</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Laurel MS</u>	USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City _____ State _____ Zip Code _____	NW <u>1/4</u> SW <u>1/4</u> , Sec <u>5</u> T <u>10N</u> R <u>10W</u>
Telephone No. (____) _____	<u>2</u> Miles <u>SW</u> of <u>Heidelberg</u>
	(Distance) (Direction) (Nearest Town)

Well / Borehole Data

Date drilling started: 8-28-13 Date drilling completed: 8-28-13 Hole depth: 46 Hole diameter: 7

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

Method of dosing and volume of Chlorine used in drilling and development: add 5 gallons bleach

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: 12 feet [above or below land surface] Date measured: 8-28-13
(circle one)

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

Well depth: 46 Well grouted to a depth of: 12 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 40 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: OH feet Screen diameter: _____ inches Type of screen: Open Hole

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

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

SEP 26 2013

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: Jasper
 Permit #: _____
 Driller: John W Thompson
 Date completed: 8-28-13
Copy information from block on Part 1

For Office Use Only:

Well #: US3
 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>Penbury Onshore</u>	Latitude: <u>31°53'42"</u> Longitude: <u>88°59'34"</u>
Mailing Address: <u>P.O. Box 16506</u> <u>Laurel MS</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 _____	_____ 1/4 _____ 1/4, Sec. <u>5</u> T. <u>10N</u> R. <u>10W</u>
Telephone No. (____) _____	<u>2</u> Miles <u>SW</u> of <u>Heidelberg</u> (Distance) (Direction) (Nearest Town)

Pump Type (circle one)

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

Date Pump Installed: 8-28-13 Rated Pump Capacity: 85 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: 5 Setting Depth: 40 feet Number of Stages: _____

Pump Test Data for Non Flowing Well

Date Well Tested: 8-28-13 Duration of Pump Test (minimum 4 hours): 4 hours

Static Water Level (A): 12 Feet Below Land Surface Pumping Water Level (B): 14 Feet Below Land Surface

Drawdown [(B) - (A)]: 2 Feet Below Land Surface Test Pumping Rate: 100 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 100 GPM with a drawdown of 2 feet after 4 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 9-24-13 John W Thompson
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

RECEIVED
 SEP 26 2013
 Form: OLWR5WR-1B(4/13)WR