

T.O. Walker #1 elev. 290

### State Well Report

Part 1

Mississippi Department of Environmental Quality  
Office of Land and Water Resources  
P.O. Box 10631  
Jackson, MS 39289-0631  
(601)961-5210  
(601)354-6938 (fax)

For Office Use Only:

Aquifer: K 80  
Well #: \_\_\_\_\_  
L. S. Elevation: \_\_\_\_\_  
E-log #: \_\_\_\_\_

County: Covington  
Permit #: \_\_\_\_\_  
Driller: John W Thompson  
Date drilling completed: 3-13-12

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

Well Owner Information	Well Location
Owner Name: <u>Mossbacher Energy</u>	Latitude: <u>31.34.51</u> " Longitude: <u>89.29.18</u> "
Mailing Address: <u>712 Main st ste 2200</u> <u>Houston TX 77002</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad: <u>Hand-held GPS</u> , Survey-grade GPS
City: _____ State: _____ Zip Code: _____	<u>5E</u> <u>4SE</u> <u>4</u> Sec <u>10</u> Twn <u>7N</u> Rng <u>15W</u>
Telephone No. ( ) _____	Distance: <u>2</u> Miles Direction: <u>N</u> of Nearest Town: <u>Seminary</u>

**Well Data**

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig supply

Date well drilling started: 3-12-12 Date well drilling completed: 3-13-12

If flowing, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: 90 feet above or below (circle one) land surface Date measured: 3-13-12

Method of Measurement (circle one) steel tape electric tape air line other: \_\_\_\_\_

Hole depth: 243 Well depth: 240 Well grouted to a depth of 20 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 200 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 4 inches Type of screen: PVC Slotted

Screen slot size: .010 + .020 inches Setting depth: From .010 200-220 feet to .020 220-240 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 back of page

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

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

I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

John W Thompson 0-679  
Print Name of Water Well Contractor and License No.

John W Thompson  
Signature of Water Well Contractor

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BY: OLWR



K 80

# STATE WELL REPORT

## Part 2

**Pump Installer's Completion Report**  
Mississippi Department of Environmental Quality  
Office of Land and Water Resources  
P.O. Box 10631  
Jackson, MS 39289-0631  
(601)961-5210  
(601)354-6938 (fax)

County: Covington  
 Permit #: \_\_\_\_\_  
 Driller: John W Thompson  
 Date completed: 3-13-12  
*Copy information from block on Part 1*

**For Office Use Only:**  
 Aquifer: \_\_\_\_\_  
 Well #: K 80  
 Elevation: \_\_\_\_\_

*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>Mossbacher Energy</u>	Latitude: <u>31° 34' 51"</u> Longitude: <u>89° 29' 18"</u>
Mailing Address: <u>712 Main st Ste 2200</u> <u>Houston TX 77002</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ _____ 1/4 _____ 1/4 Sec <u>10</u> T <u>7N</u> R <u>15W</u>
City _____ State _____ Zip Code _____	Distance _____ Direction _____ Nearest Town _____ <u>2</u> Miles <u>N</u> of <u>Seminary</u>
Telephone No. ( ) _____	

Pump Type Circle one	Power Type Circle one
Air Lift: Jet <input type="checkbox"/> <u>Submersible</u>	Diesel Engine <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Natural Gas <input type="checkbox"/>
Bucket: Piston <input type="checkbox"/> Turbine <input type="checkbox"/>	<u>Electric Motor</u> <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO <input type="checkbox"/>
Centrifugal: Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/>	Windmill <input type="checkbox"/> Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>7.5</u>
Date Pump Installed: <u>3-13-12</u>	Setting Depth: <u>190</u> feet
Rated Pump Capacity: <u>85</u> Gallons Per Minute	Number of Stages: _____

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>3-13-12</u>	<u>Air Line</u> <input checked="" type="checkbox"/> Electric Measuring Line <input type="checkbox"/> Steel Tape <input type="checkbox"/>
Static Water Level (A): <u>90</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>95</u> Feet Below Land Surface	
Drawdown [(B) - (A)]: <u>5</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Test Pumping Rate: <u>100</u> Gallons Per Minute	Well yielded <u>100</u> GPM with a drawdown of _____
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	<u>5</u> feet after <u>4</u> hours of pumping

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

John W Thompson 0-679 John W Thompson  
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

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Form: OLWR-SWR-1B

MAR 23 2012

BY: OLWR