

County: Bolivar
 Permit #: MS-GW-44716
 Driller: Cook Drilling Co., Inc.
 Date drilling completed: 4/15/11

State Well Report
Part I - 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 #: N 180
 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.

<p>Information on Well Owner <i>(Landowner if borehole is not for a water well)</i></p> <p>Owner Name: <u>Travis Lattafield</u> Mailing Address: <u>313 Palmer Lattafield Rd.</u> <u>Benoit, Ms. 38725</u> City State Zip Code Telephone No. () _____</p>	<p>Well or Borehole Location</p> <p>Latitude: <u>33-39-48.8</u> Longitude: <u>91-01-01</u> Method of Lat/Long (circle one): <u>Conventional Survey</u> 776 USGS quad, Hand-held GPS, Survey-grade GPS <u>N 1/4 SW 1/4 Sec 21 Twn 21 Rng 08W</u> Distance Direction Nearest Town <u>6</u> Miles <u>SE</u> of <u>Dinoit MS</u></p>
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Well / Borehole Data

Date drilling started: 4/15/11 Date drilling completed: 4/15/11 Hole depth: 120 Hole diameter: 26 in

Location of the source of any surface water used for drilling: _____
 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 _____ 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 X Irrigation _____ Fish Culture _____ Other: _____

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 41 feet above or below (circle one) land surface Date measured: 4/15/11

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

Well depth: 120 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix _____

Casing length: 80 feet Casing diameter: 16 inches Type of casing: PVC

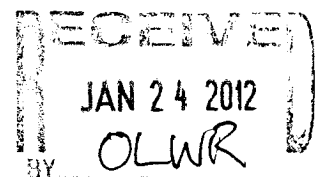
Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: 0.50 inches Setting depth: From 80 feet to 120 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)



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

County: Bolivar
 Permit #: MS-GW-44716
 Driller: Cook Drilling Co., Inc.
 Date completed: 4/17/11
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: N180
 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>David Satterfield</u>	Latitude: <u>33 26 16 N</u> Longitude: <u>90 59 45 W</u>
Mailing Address: <u>313 Palmer-Satterfield Rd</u>	Method of Lat/Long (check one): <input checked="" type="checkbox"/> Conventional Survey
<u>Benoit MS 38725</u>	USGS quad _____ Hand-held GPS _____ Survey-grade GPS _____
City State Zip Code	<u>N 1/2 Sec 21 T 21 N R</u>
Telephone No. () _____	Distance _____ Direction _____ Nearest Town _____
	_____ Miles _____ of _____

Pump Type Circle one	Power Type Circle one
Air Lift Jet Submersible	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston <u>Turbine</u>	<u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): <u>600 HP</u>
Other (specify): _____	Horse Power Rating of Motor: _____
Date Pump Installed: <u>4/17/11</u>	Setting Depth: <u>70</u> feet
Rated Pump Capacity: <u>2,400</u> Gallons Per Minute	Number of Stages: <u>1</u>

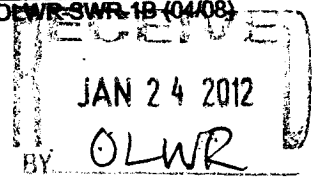
Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	Air Line Electric Measuring Line Steel Tape
Static Water Level (A): <u>41</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded _____ GPM with a drawdown of _____
Test Pumping Rate: _____ Gallons Per Minute	_____ feet after _____ hours of pumping
Duration of Pump Test (minimum 4 hours): _____ hours	

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

Cook Drilling Co, Inc 289
 Print Name of Pump Installer and License No. (if applicable)

Gall Will
 Signature of Pump Installer

Form: OELWR-SWR-1B (04/08)



STATE OF MISSISSIPPI
Department of Environmental Quality
Office of Land and Water Resources
P. O. Box 2309
Jackson, Mississippi 39225

*Patterson place
on levee*

N180

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-44716

Landowner Name: SATTERFIELD, TRAVIS

Landowner Address: 313 PALMER SATTERFIELD ROAD
BENOIT MS 38725

Source Of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: NE 1/4 of the SW 1/4 **Section:** 21 **Township:** 21N **Range:** 08W

County: BOLIVAR

Quad: BENOIT

Maximum Volume: 302 Acre-Feet/Year *equivalent to* .2696 Million Gallons/Day

Maximum Rate: 2500 Gallons/Minute

Applicant Name: SATTERFIELD, TRAVIS

Applicant Address: 313 PALMER SATTERFIELD ROAD
BENOIT MS 38725

Date Permit Issued: 11/19/2010

Date Permit Expires: 11/19/2020

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: NONE

Sam Mabry

Sam Mabry
Office Director

