

Desoto

County: [Redacted]
 Permit #: _____
 Driller: _____
 Date drilling completed: 9/17/04

Well Driller Report and Well Log

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: _____
 Well #: J-147
 L. S. Elevation: _____
 E-log #: _____

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>U.S. Army Corps of Engineers</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>4155 E. Clay St</u>	Method of Lat/Long (circle one): Conventional Survey, <u>USGS quad</u> , Hand-held GPS, Survey-grade GPS
<u>Vicksburg</u> MS <u>39183</u>	<u>SW 1/4 SW 1/4</u> Sec <u>2</u> Twn <u>4S</u> Rng <u>9W</u>
City State Zip Code	<u>Top of Arkabutle Dam near Service Bridge</u>
Telephone No. (<u>601</u>) <u>631-5610</u>	Distance Direction Nearest Town _____ Miles _____ of _____

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Service Bridge De-Watering Well

Date well drilling started: 9-15-04 Date well drilling completed: 9-17-04

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

Static Water Level: 80 feet above or below (circle one) land surface Date measured: 9-22-04

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

Hole depth: 139.0 Well depth: 129.5 Well grouted to a depth of 52.75 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 70 feet Casing diameter: 8 inches Type of casing: PVC

Screen length: 60 feet Screen diameter: 8 inches Type of screen: PVC

Screen slot size: 0.020 inches Setting depth: From 69.5 feet to 129.5 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.

James J. Smith 0-682
 Print Name of Water Well Contractor and License No.

James J. Smith
 Signature of Water Well Contractor

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If well telescopes please sketch below and show depths.

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: _____
Permit #: _____
Driller: _____
Date completed: _____

For Office Use Only:

Aquifer: _____
Well #: J-147
Elevation: _____

This report must be prepared by the pump installer in detail and filed with the Department within 30 days of the installation of pump. A copy of Part 1 of this report must be attached to this report.

Well Owner Information	Well Location
Owner Name: <u>U.S. Army Corps of Engineers</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>4155 E. Clay St.</u>	Method of Lat/Long (circle one): Conventional Survey, <u>USGS quad</u> , Hand-held GPS, Survey-grade GPS
<u>Vicksburg</u> , <u>Ms</u> <u>39153</u> City State Zip Code	<u>SW 1/4 SW 1/4 Sec 2 Twn 4S Rng 9W</u>
Telephone No. (<u>601</u>) <u>631-5610</u>	Distance Direction Nearest Town <u>Top of Arkabutla Dam near Service Bridge</u> Miles _____ of _____

Pump Type Circle one	Power Type Circle one
Air Lift Jet <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>25</u>
Date Pump Installed: <u>9-22-04</u>	Setting Depth: <u>120</u> feet
Rated Pump Capacity: <u>500</u> Gallons Per Minute	Number of Stages: _____

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>9-22-04</u>	Air Line <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>80.0</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>104.2</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>24.2</u> Feet Below Land Surface	Well yielded <u>500</u> GPM with a drawdown of <u>24.2</u> feet after <u>15</u> hours of pumping
Test Pumping Rate: <u>500</u> Gallons Per Minute	
Duration of Pump Test (minimum 4 hours): <u>15</u> hours	

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

Print Name of Pump Installer and License No. (if applicable)

Signature of Pump Installer

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