

County: Tallahatchie
Permit #: GW-47763
Driller: Irrigation Equipment
Date drilling completed: 02/01/2014

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 #: P 86
Aquifer: _____
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.

| Well Owner Information <i>(Landowner if borehole is not for a water well)</i> | | | Well or Borehole Location | |
|----------------------------------------------------------------------------------|--------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Owner Name: <u>Joseph Murphey Jr</u> | | | Latitude: <u>33 53' 37.8 N</u> | Longitude: <u>90 10' 14.4 W</u> |
| Mailing Address: <u>P.O. Box 40</u> | | | Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey, | |
| | | | <input type="checkbox"/> USGS quad, <input checked="" type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS | |
| <u>Tippo</u> City | <u>Ms</u> State | <u>38962</u> Zip code | <u>SW 1/4 NW 1/4, Sec 2 T 23 N R 1 E</u> | |
| Telephone No. () - | | | <u>1</u> Miles <u>South</u> of <u>Tippo</u> <i>(Distance) (Direction) (Nearest Town)</i> | |

| Well / Borehole Data | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Date drilling started: <u>02/01/2014</u> | Date drilling completed: <u>02/01/2014</u> Hole depth: <u>116</u> Hole diameter: <u>18"</u> |
| Location of the source of any surface water used for drilling: <u>Surface Water</u> | |
| Method of dosing and volume of Chlorine used in drilling and development: <u>50 PPM</u> | |
| Logs run (check all applicable): <input checked="" type="checkbox"/> No log run <input type="checkbox"/> Electric <input type="checkbox"/> Gamma Ray <input type="checkbox"/> Density <input type="checkbox"/> Sonic <input type="checkbox"/> Neutron <input type="checkbox"/> Other: _____ | |
| Name of organization running log(s): _____ | |
| Purpose of borehole (check one): <input checked="" type="checkbox"/> Water Well <input type="checkbox"/> Geotechnical/Geological Investigation <input type="checkbox"/> Ground Source Heat Pump | |
| <input type="checkbox"/> Seismic Survey <input type="checkbox"/> Other (describe) _____ | |

If drilling is not related to water well construction, skip the remainder of this block

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Purpose of Well (check all applicable): <input type="checkbox"/> Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture | |
| <input type="checkbox"/> Other (describe): _____ | |
| If a flowing well, method of flow regulation: Valve _____ Other (describe) _____ | |
| Static Water Level: <u>14'</u> feet [<input type="checkbox"/> above or <input checked="" type="checkbox"/> below] land surface Date measured: <u>02/20/2014</u> <i>(check one)</i> | |
| Method of Measurement (check one) <input checked="" type="checkbox"/> Steel tape <input type="checkbox"/> Electric tape <input type="checkbox"/> Air line <input type="checkbox"/> Other: (describe) _____ | |
| Well depth: <u>116</u> Well grouted to a depth of: <u>10</u> feet Type of grout (check one): <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Mix | |
| Casing length: <u>83</u> feet Casing diameter: <u>12</u> inches Type of casing: <u>PVC</u> | |
| Screen length: <u>33</u> feet Screen diameter: <u>12</u> inches Type of screen: <u>PVC</u> | |
| Screen slot size: <u>.050</u> inches Setting depth: From <u>See</u> feet to <u>Back</u> feet | |
| Type of completion (check all applicable): <input checked="" type="checkbox"/> Gravel packed <input type="checkbox"/> Underreamed <input type="checkbox"/> Open hole <input type="checkbox"/> Natural Development | |
| <input type="checkbox"/> Other (describe): _____ | |
| Top of lap pipe or reduction in casing: _____ Feet | |

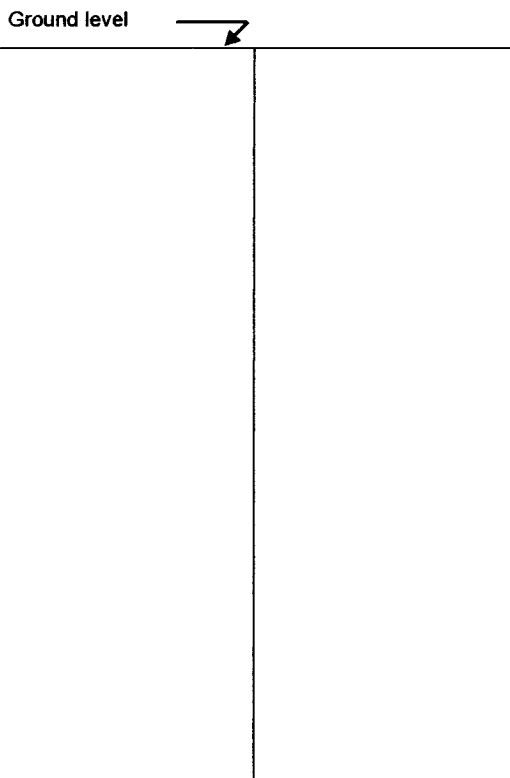
If telescoped or more than one screen, describe on next page

County: Tallahatchie
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For Office Use Only:
 Well #: P 86

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 | 20 |
| Fine Sand | 21 | 41 |
| Fine Sand & Gravel | 42 | 58 |
| Medium Sand & Gravel | 59 | 88 |
| Fine Sand | 89 | 98 |
| Medium Sand & Gravel | 99 | 107 |
| Clay | 108 | 112 |
| Fine Sand | 113 | 116 |
| | | |
| | | |
| (72 - 91) 20' Screen .050 | | |
| (92 -100) 9' Blanked | | |
| (101 - 113) 13' Screen .050 | | |
| (114 - 116) 3' Blanked | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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) a north arrow

Landowner Name: Joseph Murphey Jr

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.

Patrick Chism **0695** **02/21/2014**

Print Name of Responsible Licensee and License No. Date Signature of Licensee

County: Tallahatchie
 Permit #: GW-47763
 Driller: Irrigation Equipment
 Date drilling completed: 02/01/2014
Copy information from block on Part 1

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 #: 286
 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>Joseph Murphey Jr</u> | | | Latitude: <u>33 53' 37.8 N</u> Longitude: <u>90 10' 14.4 W</u> | | |
| Mailing Address: <u>P.O. Box 40</u> | | | Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey, | | |
| | | | <input type="checkbox"/> USGS quad, <input checked="" type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS | | |
| <u>Tippo</u> | <u>Ms</u> | <u>38962</u> | <u>Sw 1/4 NW 1/4, Sec 2 T 23 N R 1 E</u> | | |
| City | State | Zip code | | | |
| Telephone No. () - | | | <u>1</u> Miles | <u>South</u> of | <u>Tippo</u> |
| | | | (Distance) | (Direction) | (Nearest Town) |

Pump Type (check one)

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

Date Pump Installed 02/20/2014 Rated Pump Capacity: 1400+/- Gallons Per Minute

Is This Pump (check one): New Repaired Replacement

Power Type (check one)

Electric Diesel Gasoline Natural Gas Tractor PTO Windmill Other (describe): _____

Horse Power Rating of Motor: 40 Setting Depth: 80 feet Number of Stages: 1

Pump Test Data for Non Flowing Well

Date Well Tested: _____ Duration of Pump Test (minimum 4 hours): _____ Hours

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

Drawdown [(B) - (A)]: _____ Feet Below Land Surface Test Pumping Rate: _____ Gallons Per Minute

Method of measurement (check 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: None Installed 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 (check 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.

Patrick Chism 0695 02/21/2014 

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