

County: Montgomery
 Permit #: MS-GW-17342
 Driller: Ratliff Water Well Service
 Date drilling completed: 5-12-18

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 #: D0113
 Aquifer: WLCXM
 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>Well Owner Information (Landowner if borehole is not for a water well)</p> <p>Owner Name: <u>Town of Duck Hill</u> Mailing Address: <u>P.O. Box 368</u></p> <p>City: <u>Duck Hill</u> State: <u>Ms.</u> Zip Code: <u>38925</u> Telephone No. (____) _____</p>	<p>Well or Borehole Location</p> <p>Latitude: <u>33°37'51.2" N</u> Longitude: <u>89°42'41.3" W</u> <u>33.630889°</u> <u>89.711472°</u> Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <u>X</u>, Survey-grade GPS _____ <u>NE</u> ¼ <u>NW</u> ¼, Sec <u>06</u> T <u>20N</u> R <u>06E</u> <u>1/4</u> Miles <u>W</u> of <u>Duck Hill</u> (Distance) (Direction) (Nearest Town)</p>
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Well / Borehole Data

Date drilling started: 1-31-18 Date drilling completed: 5-12-18 Hole depth: 680 Hole diameter: 7 1/4
 Location of the source of any surface water used for drilling: Community City
 Method of dosing and volume of Chlorine used in drilling and development: 50 ppm HTH _____
 Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
 Name of organization running log(s): STATE
 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: 74' feet [above or below] land surface Date measured: 6-4-18
 (circle one)
 Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____
corrected as per driller
 Well depth: _____ Well grouted to a depth of: 390 feet Type of grout (circle one) Neat Cement Bentonite Mix
 Casing length: 390 feet Casing diameter: 12 inches Type of casing: Steel
 Screen length: 70 feet Screen diameter: 6 inches Type of screen: STAINLESS
 Screen slot size: .013 inches Setting depth: From 390 feet to 460 feet
 Type of completion (circle all applicable): Gravel packed Underreamed Open hole Natural Development
 Other (describe): _____
 Top of lap pipe or reduction in casing: 312 feet

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

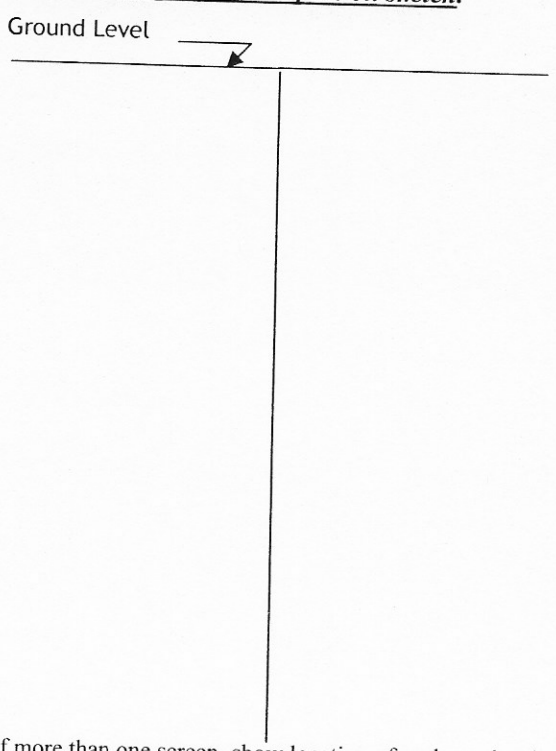
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01-25-2019
BY OLWR

County: Montgomery
 Permit #: **MS-GW-17342**

For Office Use Only:
 Well #: **D0113**

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) Ground level	To (depth)
TOP SOIL & CLAY		40
SAND	40	80
SAND	80	130
SAND w/ CLAY	130	190
SOFT CLAY w/ SAND	190	410
SAND	410	430
SOFT CLAY	430	680


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) north arrow

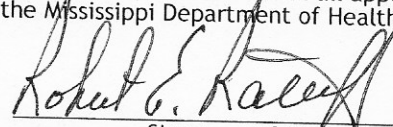
SEE MAP

See Attached MAP

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01-25-2019

BY OLWR

Landowner Name: Town of Duck Hill, Ms.

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.

Robert E. Ratliff 0-002 7-10-18 

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

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: Montgomery
Permit #: MS-GW-17342
Driller: Ratliff Water Well Service
Date completed: _____
Copy information from block on Part 1

For Office Use Only:

Well #: D0113
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>Town of Duck Hill</u>	Latitude: <u>33°37'57.2"N</u>	Longitude: <u>89°42'41.3"W</u>		
Mailing Address: <u>P.O. Box 368</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____			
<u>Duck Hill</u> City	<u>Ms.</u> State	<u>38925</u> Zip Code	<u>1/4</u> 1/4, Sec _____ T _____ R _____	
Telephone No. (____) _____			<u>1/4</u> Miles <u>W</u> of <u>Duck Hill</u>	(Distance) (Direction) (Nearest Town)

Pump Type (circle one)
 Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): _____
Date Pump Installed: 5-22-18 Rated Pump Capacity: 150 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: 20 Setting Depth: 273 feet Number of Stages: 9

Pump Test Data for Non Flowing Well
Date Well Tested: 6-4-18 Duration of Pump Test (minimum 4 hours): 4 4 hours
Static Water Level (A): 74 Feet Below Land Surface Pumping Water Level (B): 235 Feet Below Land Surface
Drawdown [(B) - (A)]: 161 Feet Below Land Surface Test Pumping Rate: 163 Gallons Per Minute
Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): None

Pump Test Data for Flowing Well
Measured shut in head: _____xx_____ feet.
Well yielded _____xx163 GPM with a drawdown of 161xx_____ feet after 4 hours of pumping

Meter Installation
Meter Manufacturer: _____xx_____ Meter Serial Number: xx _____
Meter Model Number/Name: _____xx_____ Type of Meter: xx _____
Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): xx _____
Installation Date: xx _____ Meter installed by: xx _____
Is This Meter (circle one): New Repaired Replacement

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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.
Robert E. Ratliff 0-002
Print Name of Pump Installer and License No. (if applicable) Date 7-10-18 Signature of Pump Installer Robert E. Ratliff

Duck Hill Binford Well 33°37'51.25"N 89°42'41.42"W
MS-GW-17342
029D0113

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BY OLWR



Google Earth

© 2018 Google



9600 ft

(GRENADA)



DUCK HILL QUADRANGLE
MISSISSIPPI
TOPOGRAPHIC SERIES

(GORE
SPRINGS)

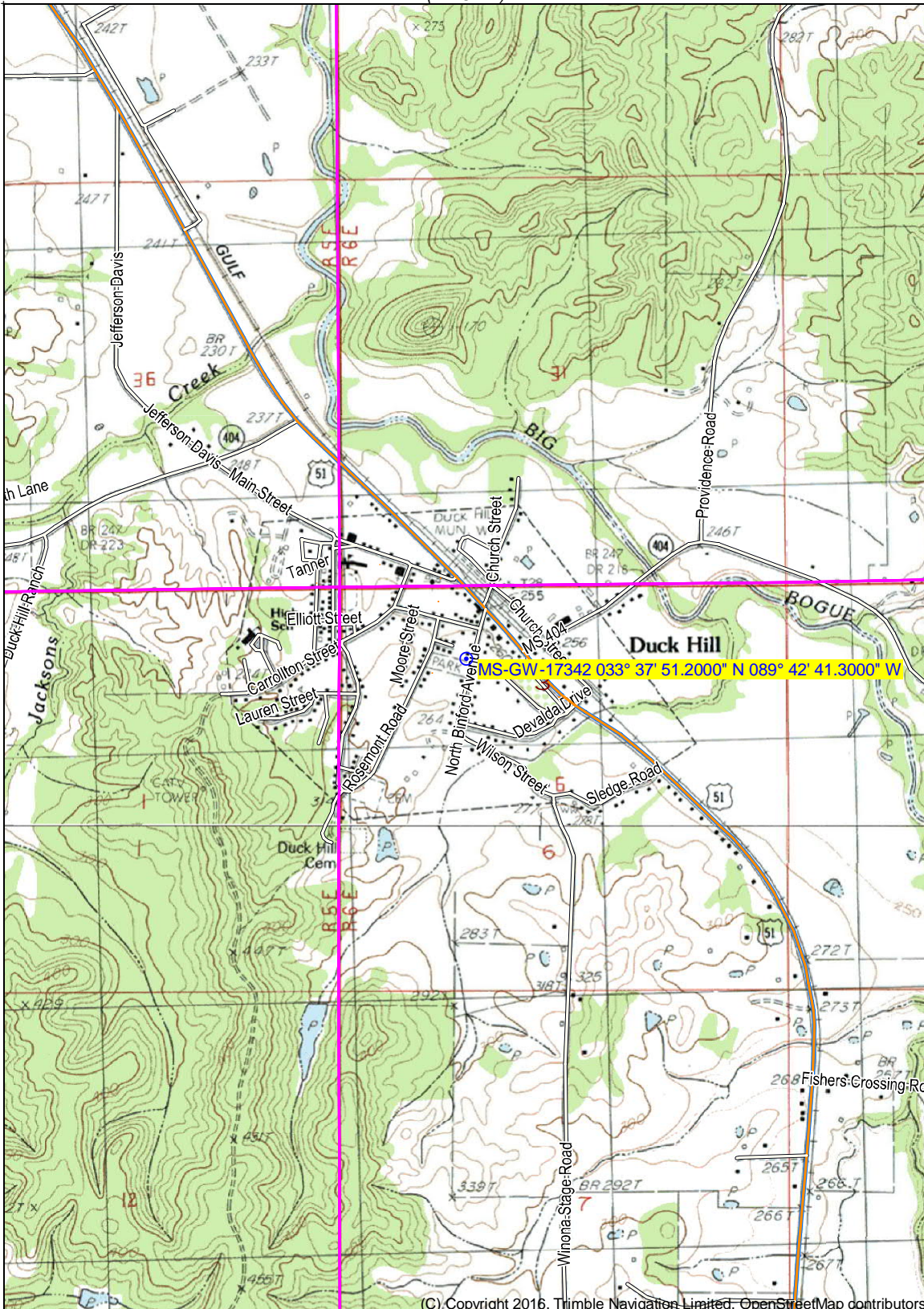
089° 43' 52.4295" W
033° 39' 15.2388" N

(KINCAID)

089° 41' 30.2879" W
033° 39' 15.2388" N

(TIE PLANT)

(SWEATMAN)



(C) Copyright 2016, Trimble Navigation Limited, OpenStreetMap contributors

Printed: Fri Jan 25, 2019 089° 41' 30.2879" W 033° 36' 27.6033" N

(MC CARLEY)

(LODI)

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

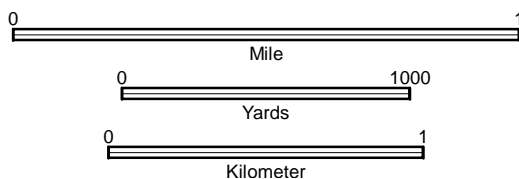
North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 13M N and
8M W

Declination



SCALE 1:24000



CONTOUR INTERVAL 20 FT

33089-F6-TM-024
DUCK HILL, MS
JAN 1, 1983