

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 #: E 233
Aquifer: _____
E-Log #: _____

County: Bolivar
Permit #: GW-49712 ✓
Driller: Jonathan Gordon
Date drilling completed: 4-14-17

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 2447 #2 (Landowner if borehole is not for a water well) Owner Name: <u>Only Boy Farms</u> Mailing Address: <u>1415 Deering Street</u> <u>Cleveland</u> MS <u>38732</u> City State Zip Code Telephone No. <u>(662) 588-1796</u>	Well or Borehole Location Latitude: <u>33° 53' 27.16"</u> Longitude: <u>90° 40' 30.93"</u> Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ <u>SW 1/4 NW 1/4, Sec 36 T 24N R 05W</u> <u>3.12</u> Miles <u>East</u> of <u>Meridian Bayou</u> (Distance) (Direction) (Nearest Town)
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Well / Borehole Data

Date drilling started: 4-14-17 Date drilling completed: 4-14-17 Hole depth: 125' Hole diameter: 26"

Location of the source of any surface water used for drilling: Cisting well

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 (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: 44 feet (above or below) land surface Date measured: 4-17-17
 (circle one)

Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____

Well depth: 125 Well grouted to a depth of: 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 75 feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 50 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: .050 inches Setting depth: From 75 feet to 125 feet

Type of completion (circle all applicable): Gravel Packed Underreamed Open hole Natural Development

Other (describe): _____

Top of lap pipe or reduction in casing: 0/1 feet

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

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: Bolivar
 Permit #: GW-49712
 Driller: Jonathan Gordon
 Date completed: 4-17-17
 Copy information from block on Part 1

For Office Use Only:
 Well #: E233
 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>Only Boy Farms</u>			Latitude: <u>33° 53' 27.16"</u> Longitude: <u>90° 40' 30.93"</u>		
Mailing Address: <u>1415 Deering Street</u>			Method of Lat/Long (check one): Conventional Survey _____		
City: <u>Cleveland</u> State: <u>MS</u> Zip Code: <u>38732</u>			USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____		
Telephone No. (662) <u>588-1796</u>			<u>SW 1/4 NW 1/4, Sec 36 T24N R05W</u>		
			<u>3.12</u> Miles <u>East</u> of <u>Mound Bayou</u> (Distance) (Direction) (Nearest Town)		

Pump Type (circle one)
 Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): _____
 Date Pump Installed: 4-17-17 Rated Pump Capacity: _____ 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): Gear Drive
 Horse Power Rating of Motor: 100 Setting Depth: 80 feet Number of Stages: 1

Pump Test Data for Non Flowing Well
 Date Well Tested: NOT TESTED Duration of Pump Test (minimum 4 hours): N/A hours
 Static Water Level (A): 44 Feet Below Land Surface Pumping Water Level (B): N/A Feet Below Land Surface
 Drawdown [(B) - (A)]: N/A Feet Below Land Surface Test Pumping Rate: N/A Gallons Per Minute
 Method of measurement (circle 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: _____ 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 (circle 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.
Payton Everstreet 0008026 4/18/17 Payton Overstreet
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

County: Bolivar
Permit #: GW-49712

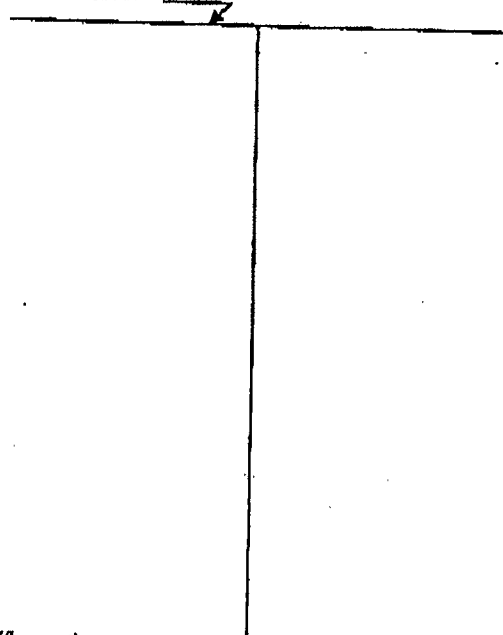
For Office Use Only:
Well #: E233

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

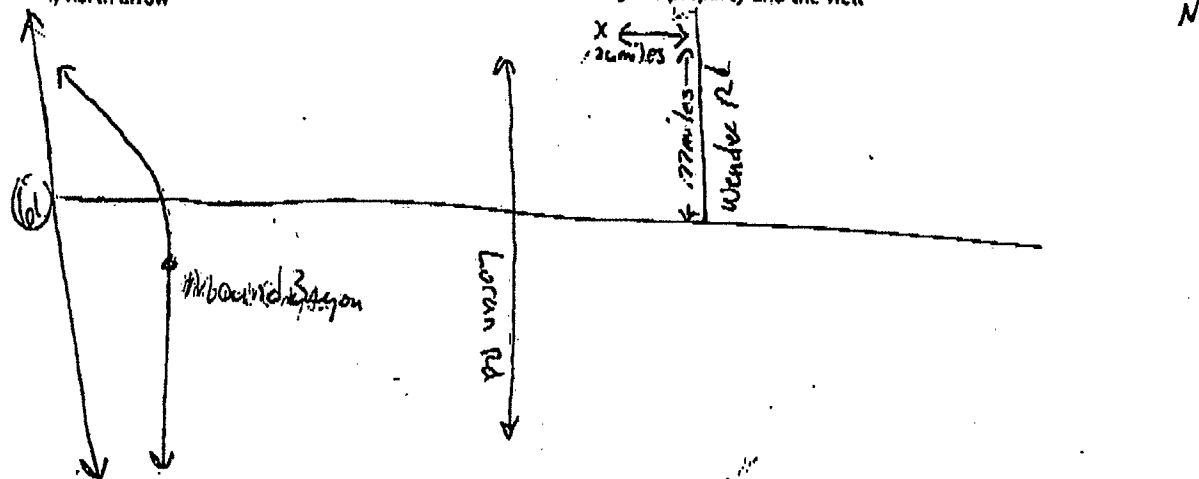
Ground Level



Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground level	35
Clay + Medium Sand	35	45
Coarse Sand + peagravel	45	65
Coarse Sand + gravel	65	75
Medium/Coarse Sand	75	85
Coarse Sand + gravel	85	95
Gravel w/ little sand	95	105
Coarse sand + gravel	105	115
Coarse sand + gravel	115	125

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



Landowner Name: Lema Farms

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.

Peyton Overstreet 00008026
Print Name of Responsible Licensee and License No.

4/18/17
Date

Peyton Overstreet
Signature of Licensee

E233

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

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-49712

Landowner Name: LEMA FARMS

Landowner Address: 503 FREDERICK DRIVE
 CLEVELAND MS 38732

Source Of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: SW 1/4 of the NW 1/4

Section: 36 **Township:** 24N **Range:** 05W

County: BOLIVAR

Quad: MOUND BAYOU

Maximum Volume: 360 Acre-Foot/Year *equivalent to* .3213 Million Gallons/Day

Maximum Rate: 2500 Gallons/Minute

Applicant Name: LEMA FARMS

Applicant Address: 503 FREDERICK DRIVE
 CLEVELAND MS 38732

Date Permit Issued: 11/10/2016

Date Permit Expires: 11/10/2021

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: WATER VOLUME MUST BE REDUCED BY AMOUNT OF WATER APPLIED TO THE SAME ACREAGE FROM OTHER PERMITTED POINTS..

SPECIAL TERMS AND CONDITIONS 2: SEE ATTACHMENT 1, WHICH IS HEREBY DECLARED TO BE PART OF THIS PERMIT.



Gary C. Rikard, Executive Director
 Mississippi Department of Environmental Quality

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

TO: THE DIRECTOR, NATIONAL BUREAU OF STANDARDS
4300 RESISTANCE AVENUE
GAITHERSBURG, MARYLAND 20899

FROM: DR. J. H. GOLDSTEIN
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF CHICAGO
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

RE: ¹³C NMR SPECTROSCOPY OF
POLYMERIZATION PRODUCTS

DATE: JANUARY 15, 1974

Enclosed for the Bureau are two copies of a report
describing the ¹³C NMR spectra of the products of
the polymerization of acrylonitrile in the presence
of various metal ions. The report is entitled
"Carbon-13 Nuclear Magnetic Resonance Spectroscopy
of Acrylonitrile Polymerization Products".

The report is available in the following form:
1. A hard copy of the report, consisting of
10 pages of text and 10 pages of spectra.
2. A microfiche edition of the report, consisting
of 20 microfiche cards.

The microfiche edition is available for
inspection and copying at the National Bureau of
Standards. The microfiche cards are available
for purchase from the National Bureau of
Standards. The price of the microfiche edition
is \$10.00 per set. The price of the hard copy
edition is \$10.00 per copy.