

Well # 1

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BY OLWR 488

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 39225-2309
(601)961-5555
(601)961-5228 (fax)

County: Jeff Davis
Permit #: 17431
Driller: David West
Date drilling completed: 6-14-2019

For Office Use Only:
Well #: B 63
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 (Landowner if borehole is not for a water well)
Owner Name: Southern Energy
Mailing Address: Suite #2400
333-7th Ave SW
City: Calgary State: AB Zip Code: T2P 2Z1
Telephone No.: (587) 289-5400
Well or Borehole Location
Latitude: 31.739486 Longitude: 89.819283
Method of Lat/Long (check one): Conventional Survey
USGS quad X, Hand-held GPS X, Survey-grade GPS
NE 1/4 NW 1/4, Sec 19 T 9N R 18W
8 Miles N of Prentiss (Distance) (Direction) (Nearest Town)

Well / Borehole Data
Date drilling started: 6-13-19 Date drilling completed: 6-14-19 Hole depth: 440' Hole diameter: 6 1/2" / 3 1/2"
Location of the source of any surface water used for drilling: Creighton HWY 13
Method of dosing and volume of Chlorine used in drilling and development: Tabs 50PPM
Logs run (check all applicable): [X] Log run [ ] Electric [ ] Gamma Ray [ ] Density [ ] Sonic [ ] Neutron Other:
Name of organization running log(s):
Purpose of borehole (check one): Water Well [X] 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 all applicable): [ ] Home [ ] Industrial [ ] Public Supply [ ] Irrigation [ ] Fish Culture
Other (describe): Fecal pond
If a flowing well, method of flow regulation: Valve Other (describe)
Static Water Level: 81 feet [ ] above or [X] below land surface Date measured: 6-14-2019
Method of measurement (check one) [ ] Steel tape [ ] Electric tape [ ] Air line [ ] Other (describe): Sonar
Well depth: 440' Well grouted to a depth of: 378 feet Type of grout (check one) [X] Neat Cement [ ] Bentonite [ ] Mix
Casing length: 378 feet Casing diameter: 4 inches Type of casing: Black steel
Screen length: 40 feet Screen diameter: 2 inches Type of screen: Stainless
Screen slot size: .010 inches Setting depth: From 400 feet to 440 feet
Type of completion (check all applicable) [ ] gravel packed [ ] Underreamed [ ] Open hole [X] Natural Development
Other (describe):
Top of lap pipe or reduction in casing: 334' feet
If telescoped or more than one screen, describe on next page

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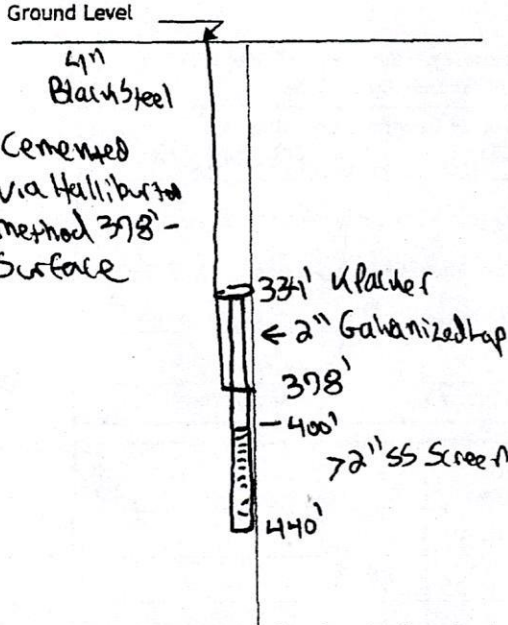
County: Jeff Davis  
Permit #: 17431

For Office Use Only:  
Well #: B63

The sketch below only required for water wells

Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

If well telescopes, show depths on sketch.



Description of Formations Encountered	From (depth)	To (depth)
Sand/Gravel	Ground level	40
clay	40	102
Sand/Gravel	102	230
Sandstone	230	231
Clay	231	304
Sand	304	390
Sandy clay	390	390
Coarse Sand	390	440

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

Location of well  
House  
1.5 mi  
Mt. Olive Rd  
Box Culvert  
Oil Well  
Well #1  
↑ N

Landowner Name: Southern Energy

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.

David West O.672 6-17-2019 [Signature]  
Print Name of Responsible Licensee and License No. Date Signature of Licensee

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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 #: B63
Aquifer:

County: Jeff Davis
Permit #: 17431
Driller: David West
Date completed: 6-14-2019
Copy information from block on Part 1

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: Southern Energy, Suite # 2400, 333-7th Ave SW, Calgary, AB T2P 2Z1, (587) 287-5400
Well Location: Latitude: 31.739486, Longitude: 89.849283, Method of Lat/Long: Conventional Survey, USGS quad: NE 1/4 NW 1/4, Sec 19 T 9N R 18W, 8 Miles N of Prentiss

Pump Type (check one): Turbine [X], Air Lift, Centrifugal, Flowing Well, Jet, Piston, Rotary, Other
Date Pump Installed: 6-15-2014, Rated Pump Capacity: 90 Gallons Per Minute
Is This Pump (check one): New, Repaired, Replacement, Rental [X]

Power Type (check one): Electric [X], Diesel, Gasoline, Natural Gas, Tractor PTO, Windmill, Other
Horse Power Rating of Motor: 7.5, Setting Depth: 160 feet, Number of Stages:

Pump Test Data for Non Flowing Well
Date Well Tested:
Duration of Pump Test (minimum 4 hours):
Static Water Level (A):
Pumping Water Level (B):
Drawdown [(B) - (A)]:
Test Pumping Rate:
Method of measurement (check one): Steel tape, Electric tape, Air line, Other

Pump Test Data for Flowing Well
Measured shut in head:
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 (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.
David West 0677 6-17-2019 [Signature]
Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer