

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

For Office Use Only:

Well #: A279
Aquifer: _____
E-Log #: _____

County: Pike
Permit #: _____
Driller: Fitzgerald Well Service
Date drilling completed: 1-6-18

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 <small>(Landowner if borehole is not for a water well)</small> | Well or Borehole Location |
|--|---|
| Owner Name: <u>PAR Minerals</u> | Latitude: <u>31° 18' 18"</u> Longitude: <u>90° 28' 55.2"</u> |
| Mailing Address: <u>old Brookhaven Rd</u> | Method of Lat/Long (check one): Conventional Survey _____ |
| <u>Summit MS</u> | USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____ |
| City _____ State _____ Zip Code _____ | <u>SE 1/4 NE 1/4, Sec 22 TAN RTE</u> |
| Telephone No. (____) _____ | _____ Miles _____ of _____ (Distance) (Direction) (Nearest Town) |

| Well / Borehole Data |
|---|
| Date drilling started: <u>1-6-18</u> Date drilling completed: <u>1-6-18</u> Hole depth: <u>140'</u> Hole diameter: <u>8"</u> |
| Location of the source of any surface water used for drilling: _____ |
| Method of dosing and volume of Chlorine used in drilling and development: _____ |
| Logs run (check all applicable): <input checked="" type="checkbox"/> Log run <input type="checkbox"/> Electric <input type="checkbox"/> Gamma Ray <input type="checkbox"/> Density <input type="checkbox"/> Sonic <input type="checkbox"/> Neutron Other: _____ |
| Name of organization running log(s): _____ |
| Purpose of borehole (check one): Water Well <input type="checkbox"/> <input checked="" type="checkbox"/> Geotechnical/Geological Investigation <input type="checkbox"/> Ground Source Heat Pump <input type="checkbox"/> Seismic Survey Other (describe) _____ |
| <i>If drilling is not related to water well construction, skip the remainder of this block</i> |
| Purpose of Well (check all applicable): <input type="checkbox"/> Home <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture |
| Other (describe): _____ |
| If a flowing well, method of flow regulation: Valve _____ Other (describe) _____ |
| Static Water Level: <u>70'</u> feet <input type="checkbox"/> above or <input checked="" type="checkbox"/> below land surface Date measured: <u>1-6-18</u> <small>(check one)</small> |
| 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>140'</u> Well grouted to a depth of: <u>10'</u> feet Type of grout (check one) <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Mix |
| Casing length: <u>120'</u> feet Casing diameter: <u>4"</u> inches Type of casing: <u>Pvc</u> |
| Screen length: <u>20'</u> feet Screen diameter: <u>4"</u> inches Type of screen: <u>Pvc</u> |
| Screen slot size: <u>.010</u> inches Setting depth: From <u>120'</u> feet to <u>140'</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 |
| Other (describe): _____ |
| Top of lap pipe or reduction in casing: _____ feet |
| <i>If telescoped or more than one screen, describe on next page</i> |

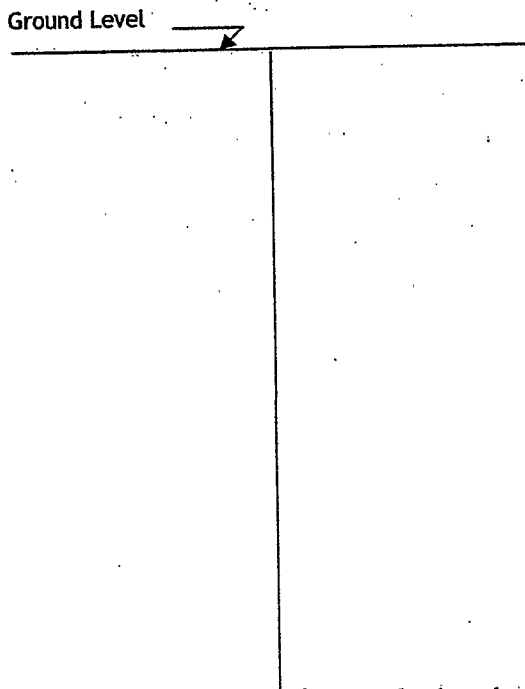
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BY OLWR

County: Pike
 Permit #: _____

For Office Use Only:
 Well #: A279

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) |
|---------------------------------------|------------------------------|------------|
| clay | 0 | 20 |
| sand | 20 | 40 |
| gravel | 40 | 80 |
| clay | 80 | 100 |
| sand | 100 | 120 |
| course sand | 120 | 140 |
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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: PAR Minerals

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.

BRAD Fitzgerald 029 1-6-18 Rud Stiles
 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)

For Office Use Only:

Well #: A279
Aquifer: _____

County: Pike
Permit #: _____
Driller: Fitzgerald Well Service
Date completed: 1-6-18
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 | | | Well Location | |
|--|---|---------------------------------|---------------|--|
| Owner Name: <u>PAR Minerals</u> | Latitude: <u>31° 18' 18"</u> | Longitude: <u>90° 28' 55.2"</u> | | |
| Mailing Address: <u>Old Backhaver Rd</u> | Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____ | | | |
| City: <u>Summit</u> State: <u>MS</u> Zip Code: _____ | <u>SE 1/4 NE 1/4, Sec 22 T 4N R 7E</u> | | | |
| Telephone No. (____) _____ | Miles _____ of _____ (Distance) (Direction) (Nearest Town) | | | |

Pump Type (check one)
Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): _____
Date Pump Installed: 1-6-18 Rated Pump Capacity: 60 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: 5 Setting Depth: 110 feet Number of Stages: _____

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: _____ 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.

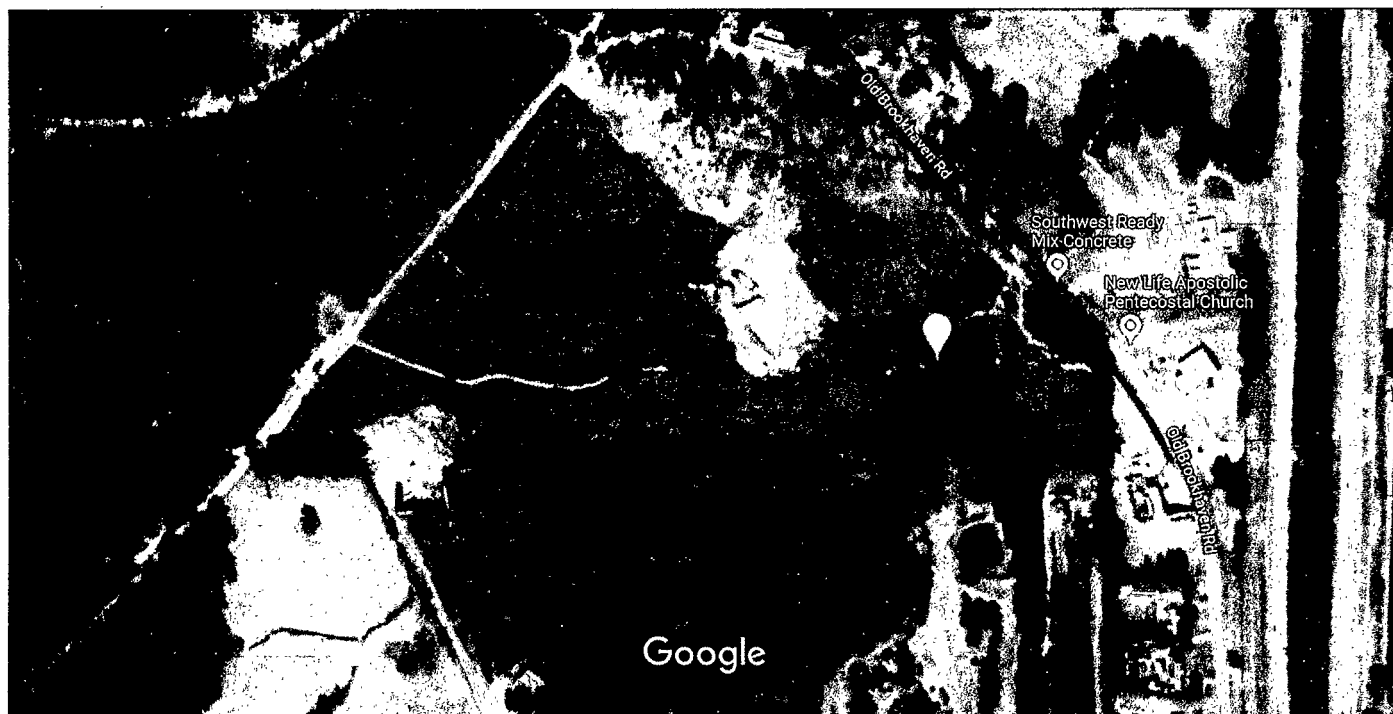
I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Brad Fitzgerald 029- 1-6-18 Brad Fitzgerald
Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

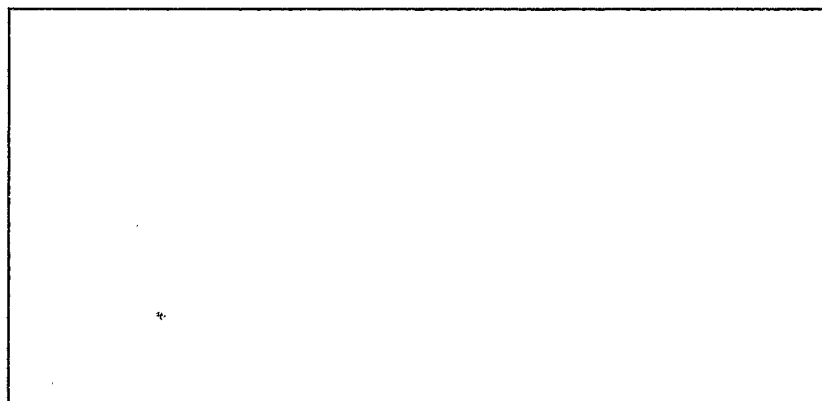
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A279

Google Maps 31°18'01.8"N 90°28'55.2"W



Imagery ©2018 Google, Map data ©2018 Google 200 ft



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31°18'01.8"N 90°28'55.2"W

31.300486, -90.482003

PAR Minerals

old Brookhaven Rd

140'

70'

110'

5 HP

1-6-2018