

1132

# 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 #: M 39  
Aquifer: \_\_\_\_\_  
E-Log #: \_\_\_\_\_

County: Wilkinson  
Permit #: GW17172  
Driller: John W Thompson  
Date drilling completed: 11-9-14

*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>Apple Sanchez Oil &amp; Gas</u>	Latitude: <u>31° 6' 33.6"</u> Longitude: <u>91° 21' 38.8"</u>
Mailing Address: <u>P.O. Box 61859</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Houston TX 77208</u>	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
City: _____ State: _____ Zip Code: _____	<u>SE 1/4 NW 1/4, Sec 34 T 2N R 2W</u>
Telephone No. (____) _____	<u>3.4</u> Miles <u>W</u> of <u>Woodville</u>
	(Distance) (Direction) (Nearest Town)

**Well / Borehole Data**

Date drilling started: 10-27-14 Date drilling completed: 11-9-14 Hole depth: 728' Hole diameter: 10 1/2 + 57/8

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

Method of dosing and volume of Chlorine used in drilling and development: Added bleach to makeup water 30 gallons

Logs run (circle all applicable): No log run  Electric  Gamma Ray Density Sonic Neutron Other: (Test hole)

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): Frac supply

If a flowing well, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: 326 feet [above or  below] land surface Date measured: 11/17/14  
(circle one)

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

Well depth: 728 Well grouted to a depth of: 665 feet Type of grout (circle one):  Neat Cement Bentonite Mix

Casing length: 665 feet Casing diameter: 6 inches Type of casing: Steel

Screen length: 63 feet Screen diameter: 4 inches Type of screen: Pipe based stainless wrap

Screen slot size: .010 inches Setting depth: From 665 feet to 728 feet

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

Other (describe): \_\_\_\_\_

Top of lap pipe or reduction in casing: 643' feet

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

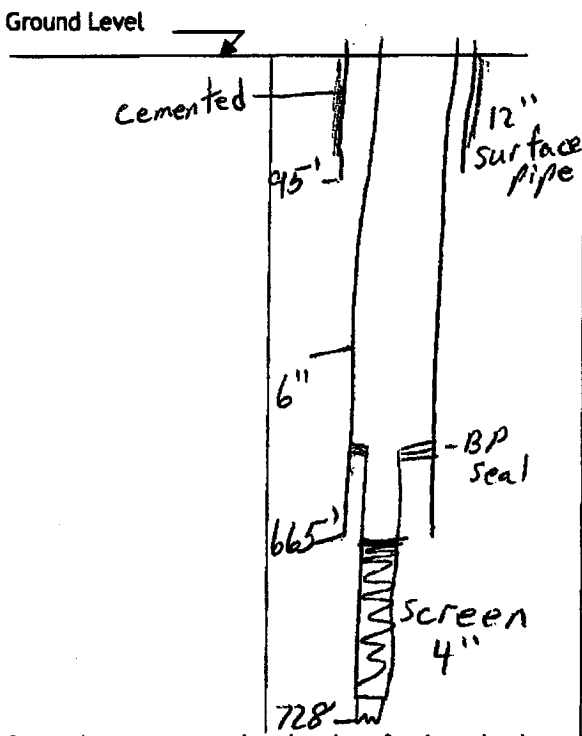
County: Wilkinson  
 Permit #: GW17172

**For Office Use Only:**  
 Well #: M39

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)
Sand & gravel	Ground level	90
Clay	90	160
Sand	160	180
Clay	180	220
Sand	220	240
Clay	240	280
sand	280	320
Clay	320	350
fine sand	350	380
Clay	380	420
Sand & clay	420	580
sand & clay	580	660
Sand	660	728

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: Sanchez Oil & Gas

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.

John W Thompson 0-679    12-9-14    John W Thompson  
 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 #: M39  
Aquifer: \_\_\_\_\_

County: Wilkinson  
Permit #: GW 17172  
Driller: John W Thompson  
Date completed: 11-9-14  
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>Sanchez Oil &amp; Gas</u>			Latitude: <u>31° 6' 33.6"</u> Longitude: <u>91° 21' 38.8"</u>		
Mailing Address: <u>P.O. Box 61859</u> <u>Houston TX 77208</u>			Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____		
City	State	Zip Code	<u>SE 1/4 NW 1/4, Sec 34 T 2N R 2W</u>		
Telephone No. ( ) _____			<u>3.4</u> Miles <u>W</u> of <u>Woodville</u> (Distance) (Direction) (Nearest Town)		

**Pump Type (circle one)**  
 Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): \_\_\_\_\_  
Date Pump Installed: 11-13-14 Rated Pump Capacity: 300 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: 50 Setting Depth: 441 feet Number of Stages: \_\_\_\_\_

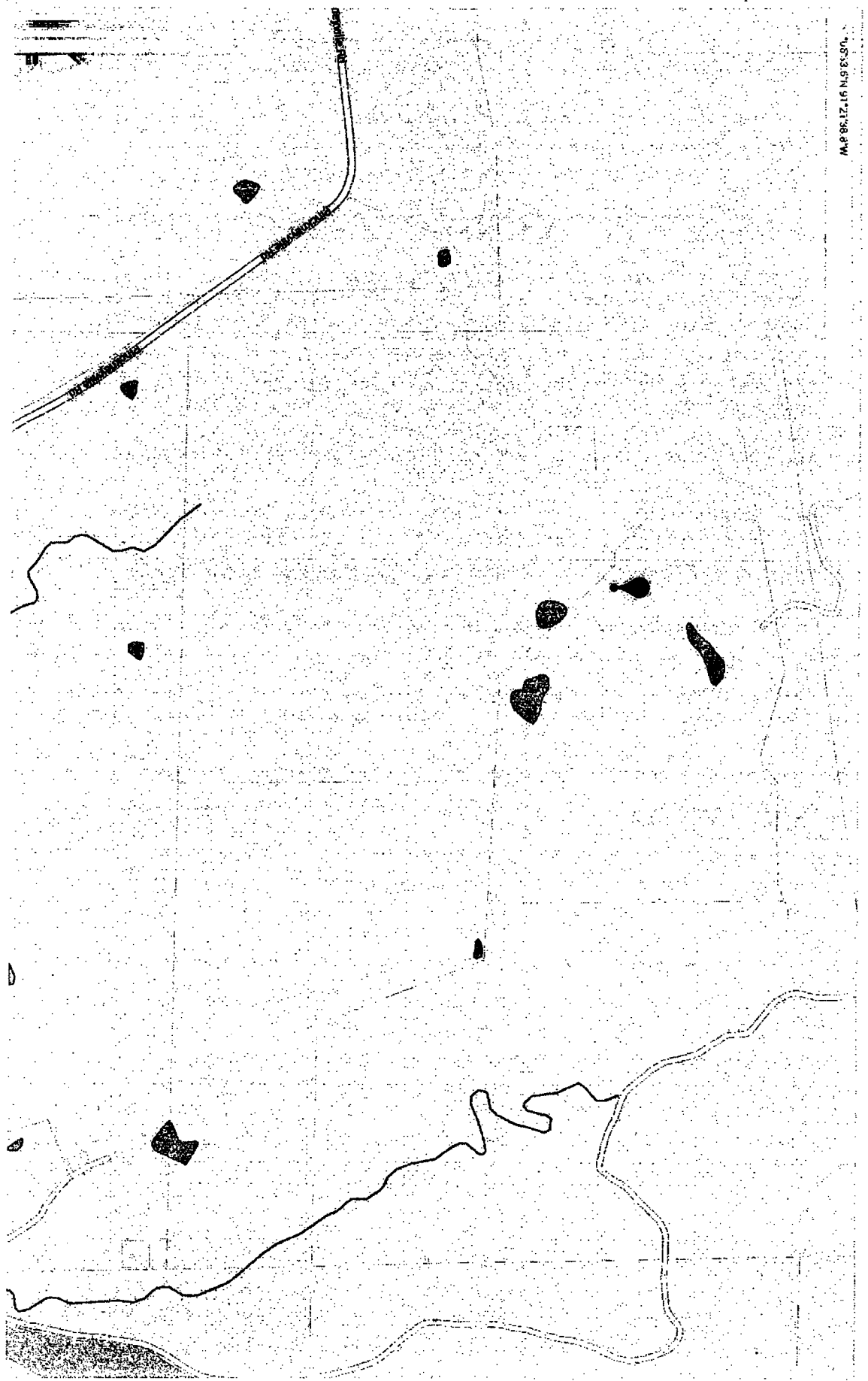
**Pump Test Data for Non Flowing Well**  
Date Well Tested: 11/14/14 Duration of Pump Test (minimum 4 hours): 5 hours  
Static Water Level (A): 326 Feet Below Land Surface Pumping Water Level (B): 362 Feet Below Land Surface  
Drawdown [(B) - (A)]: 36 Feet Below Land Surface Test Pumping Rate: 310 Gallons 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 310 GPM with a drawdown of 36 feet after 5 hours of pumping

**Meter Installation**  
Meter Manufacturer: Badger Meter Serial Number: \_\_\_\_\_  
Meter Model Number/Name: T450-LL Type of Meter: \_\_\_\_\_  
Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): \_\_\_\_\_  
Installation Date: 11/13/14 Meter installed by: J.P. THOMPSON  
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.  
John W Thompson 0-679 12-8-14 John W Thompson  
Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

31°06'33.6"N 91°21'38.8"W - Google Maps  
Mortis Frac well #1



Map data ©2014 Google, ©2014