

State Well Report Part 1

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 10631
Jackson, MS 39289-0631
(601)961-5210
(601)354-6938 (fax)

For Office Use Only:

Aquifer: _____
Well #: W-48
L. S. Elevation: _____
E-log #: _____

County: Yazoo
Permit #: _____
Driller: John W Thompson
Date drilling completed: 6-20-07

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

Well Owner Information	Well Location
Owner Name: <u>Ensign Oil & Gas</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>333 Texas St. Ste 1175</u>	Method of Lat/Long (circle one): <input type="radio"/> Conventional Survey, <input type="radio"/> USGS quad, <input type="radio"/> Hand-held GPS, <input type="radio"/> Survey-grade GPS
City: <u>Shreveport</u> State: <u>LA</u> Zip Code: <u>71101</u>	<u>1/4</u> <u>1/4</u> Sec <u>3</u> Twn <u>9N</u> Rng <u>1W</u>
Telephone No. () _____	Distance <u>5</u> Miles Direction <u>E</u> of Nearest Town <u>Bertrand</u>

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: rig supply

Date well drilling started: 6-17-07 Date well drilling completed: 6-20-07

If flowing, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 49' feet above or below (circle one) land surface Date measured: 6-20-07

Method of Measurement (circle one) steel tape electric tape air line other: _____

Hole depth: 420' Well depth: 400' Well grouted to a depth of 20' feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 340 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 60 feet Screen diameter: 4 inches Type of screen: PVC Slotted

Screen slot size: .010 inches Setting depth: From 340 feet to 400 feet

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

Other (describe): _____

Top of lap pipe or reduction in casing: _____ feet. If telescoped or more than one screen, describe on back of page.

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

Name of organization running log(s): _____

I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

John W Thompson 0-679 _____
Print Name of Water Well Contractor and License No. Signature of Water Well Contractor

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BY: OLWR

STATE WELL REPORT

Part 2

Pump Installer's Completion Report
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 10631
 Jackson, MS 39289-0631
 (601)961-5210
 (601)354-6938 (fax)

For Office Use Only:

Aquifer: _____
 Well #: W-48
 Elevation: _____

County: Yazoo
 Permit #: _____
 Driller: John W Thompson
 Date completed: 6-20-07

This report should be prepared by the pump installer in detail and filed with the Department within 30 days of the installation of pump.

Well Owner Information	Well Location
Owner Name: <u>Ensign Oil & Gas</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>333 Texas St Ste 1175</u> <u>Shreveport LA 71101</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
City: _____ State: _____ Zip Code: _____	_____ 1/4 _____ 1/4 Sec <u>3</u> Twn <u>9N</u> Rng <u>12W</u>
Telephone No. () _____	Distance: _____ Direction: _____ Nearest Town: _____
	<u>5</u> Miles <u>E</u> of <u>Bentonia</u>

Pump Type Circle one	Power Type Circle one
<input type="checkbox"/> Air Lift <input type="checkbox"/> Bucket <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other (specify): _____ Date Pump Installed: <u>6-20-07</u> Rated Pump Capacity: <u>85</u> Gallons Per Minute	<input type="checkbox"/> Diesel Engine <input checked="" type="checkbox"/> Electric Motor <input type="checkbox"/> Windmill Horse Power Rating of Motor: <u>7 1/2</u> Setting Depth: <u>120</u> feet Number of Stages: _____
<input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Flowing Well	<input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Natural Gas <input type="checkbox"/> Tractor PTO

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>6-20-07</u>	<input type="checkbox"/> Air Line <input checked="" type="checkbox"/> Electric Measuring Line <input type="checkbox"/> Steel Tape
Static Water Level (A): <u>49</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>80</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown ((B) - (A)): <u>31</u> Feet Below Land Surface	Well yielded <u>100</u> GPM with a drawdown of
Test Pumping Rate: <u>100</u> Gallons Per Minute	<u>31</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

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

John W Thompson 0-679 John W Thompson
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

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JUL 03 2007

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