

Robinsonville Quad

State Well Report Part 1 - Driller's Log

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)

County: Tunica
 Permit #: _____
 Driller: Ganner Houston
 Date drilling completed: 11/6/07

For Office Use Only:
 Aquifer: _____
 Well #: B0070
 L. S. Elevation: 205
 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.

USGS OBS
WELL
WATER
LEVEL
MONITORING
Sparta
#1

<p>Information on Well Owner (Landowner if borehole is not for a water well)</p> <p>Owner Name: <u>TUNICA CO UTIL DIST</u> Mailing Address: <u>P.O. Box 68</u> <u>Robinsonville MS 38664</u> City State Zip Code Telephone No. <u>(662) 363-2117</u></p>	<p>Well or Borehole Location</p> <p>Latitude: <u>34° 50' 49"</u> Longitude: <u>90° 17' 34"</u> Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS <u>SE</u> ¼ <u>SE</u> ¼ Sec <u>6</u> Twn <u>35</u> Rng <u>10W</u> Distance Direction Nearest Town <u>2</u> Miles <u>N</u> of <u>Robinsonville</u> <u>Flw. Tank site nr Harr</u></p>
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Well / Borehole Data

Date drilling started: 11/6/07 Date drilling completed: 11/6/07 Hole depth: 450 Hole diameter: 6"
 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 (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
 Name of organization running log(s): _____
 Purpose of borehole (check 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

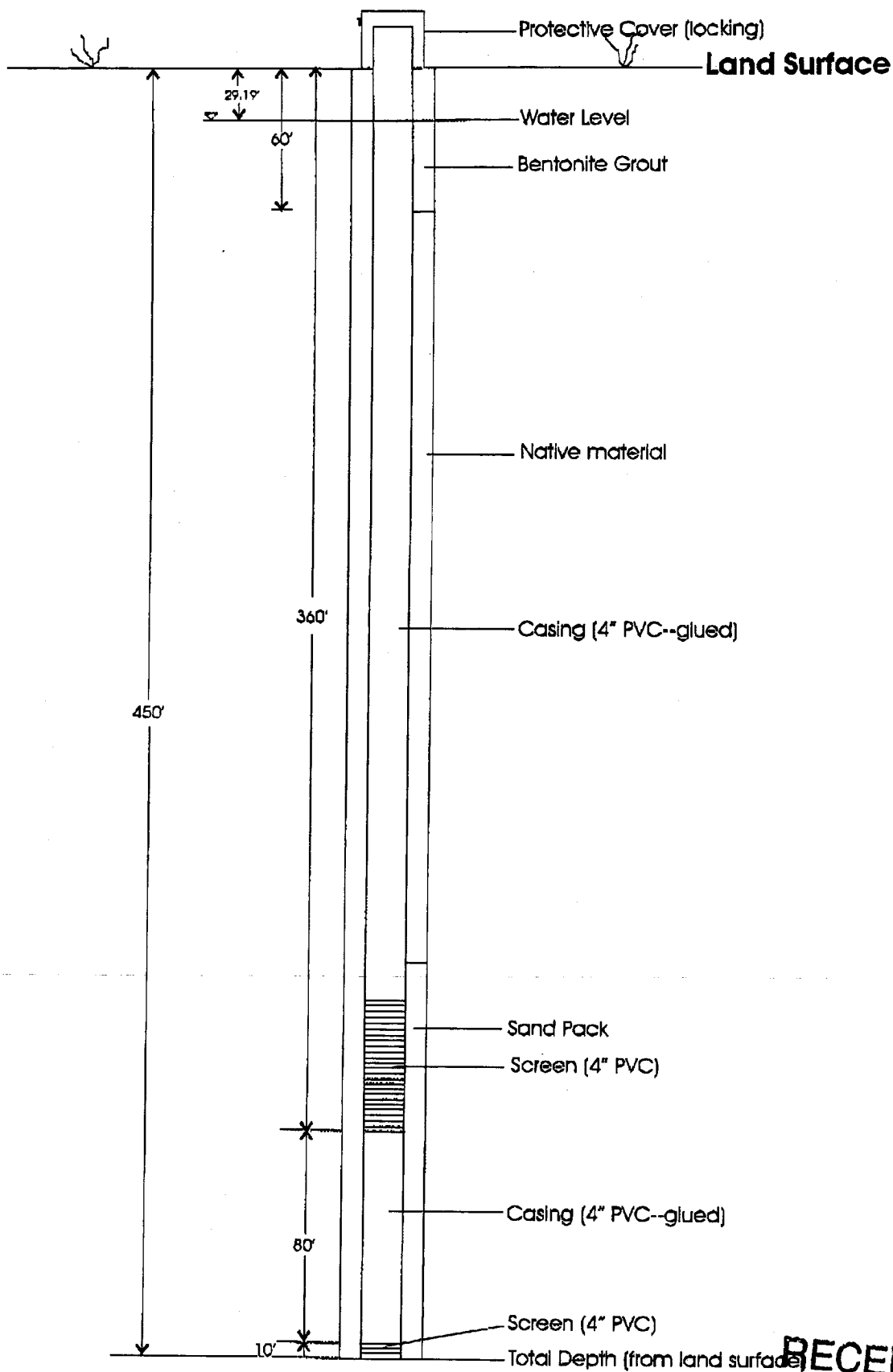
Purpose of Well (check one): Home ___ Industrial ___ Public Supply ___ Irrigation ___ Fish Culture Other: Obs Well
 If a flowing well, method of flow regulation: Valve ___ Other (describe) _____
 Static Water Level: 29.19 feet above or below (circle one) land surface Date measured: 11/13/07
 Method of Measurement (circle one) steel tape electric tape air line other: _____
 Well depth: 450 Well grouted to a depth of 60 feet Type of grout (circle one): Neat Cement Bentonite Mix
 Casing length: 320 feet Casing diameter: 4 inches Type of casing: PVC
 Screen length: 40 feet Screen diameter: 4 inches Type of screen: PVC
 Screen slot size: .010 inches Setting depth: From 320 feet to 360 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 next page*

Form: OLWR-SWR-1A

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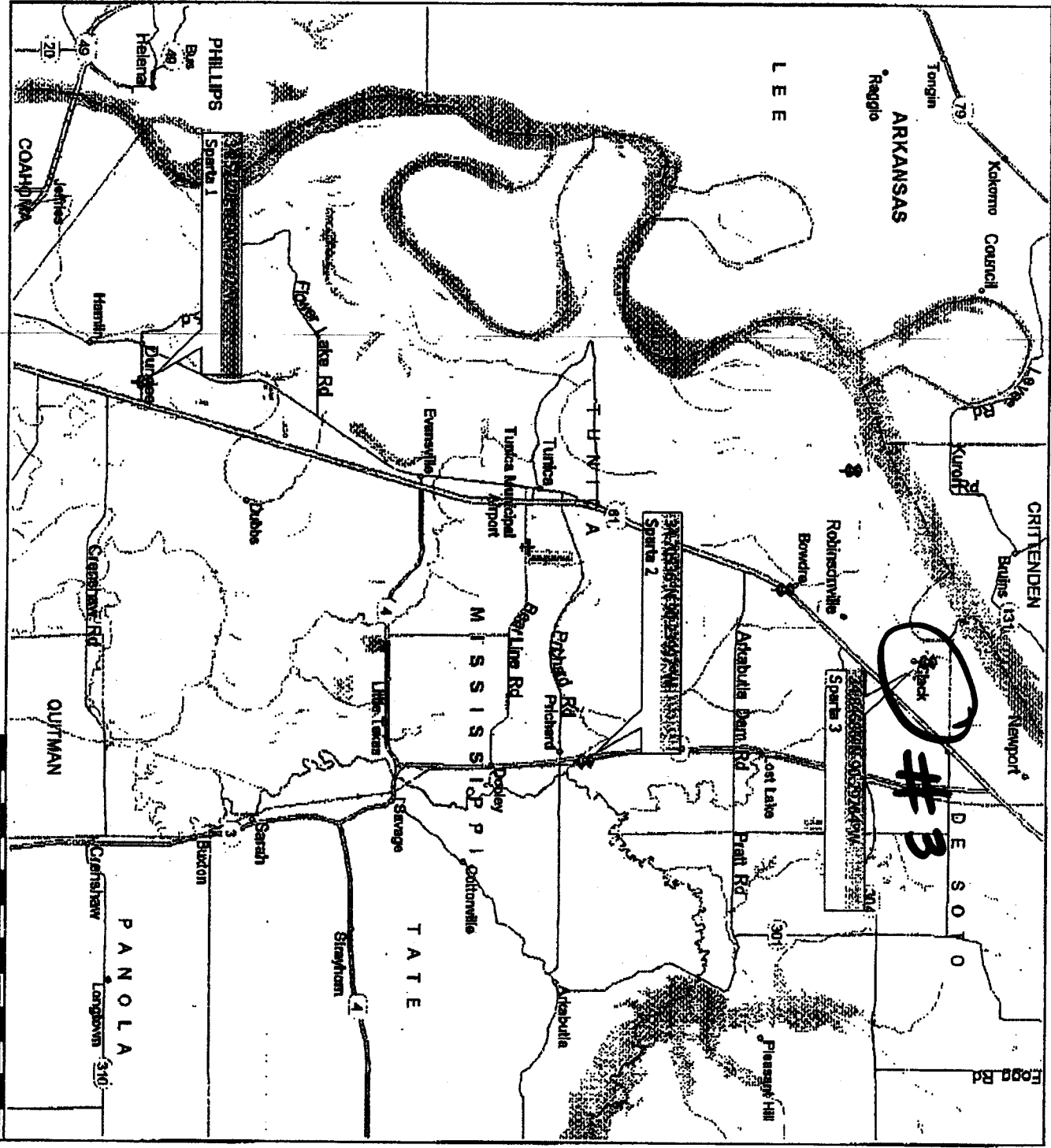
BY: OLWR



Schematic of well, Sparta #3. (Not to scale)

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drill sites, v2



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Drillers Log

Well: Sparta 3
Location: Grand Casino RV water tower
GPS: 3450490901734
Date: 11/5/2007

Lithology	Depth	Thickness
clay, gray	30	30
sand, fn-med, grayish-brown, moderately to well sorted	70	40
sand, med-coarse, brownish-green, w/ pea gravel, poorly sorted	108	38
sand, coarse, w/ pea gravel and gravel, brownish-green, poorly sorted	132 *	24
sand, w/ some clay, fn-med, lt gray, moderately well sorted	150	18
sand, fn-med, lt gray, well sorted, some lignite	263	113
sand, med-coarse, clear-lt gray, well sorted, w/ lignite	304	41
sand w/ stringers of clay and lignite, fn-med, lt gray	316	12
sand, med-coarse, clear-lt gray, well sorted	388	72
clay w/ some silt and fn sand, lt gray	407	19
clay w/ some silt, gray	450	43

* geophysical log B-0070

MRTA base ~ 138'