

Obteleda

County: Clay
 Permit #: WWC-0565
 Driller: Craig Penton
 Date drilling completed: 12/6/05

Well Driller Report and Well 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)

For Office Use Only:
 Aquifer: _____
 Well #: D-65
 L. S. Elevation: _____
 E-log #: _____

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 Owner Name: <u>Golden Triangle Regional Solid Waste Mgmt. Authority</u> Mailing Address: <u>2505 Old West Point Rd</u> <u>Starkville, MS 39759</u> City: _____ State: _____ Zip Code: _____ Telephone No. (<u>662</u>) <u>324-7566</u>			Well Location Latitude: <u>33° 30' 53"</u> Longitude: <u>88° 40' 38"</u> Method of Lat/Long (circle one): Conventional Survey, <input checked="" type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS USGS quad: <u>SW 1/4 NE 1/4 Sec 13 Twn 19 N Rng 15 E</u> Distance: <u>4</u> Miles Direction: <u>South</u> of Nearest Town: <u>West Point</u>		
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Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Monitor Well GW-7

Date well drilling started: 12/5/05 Date well drilling completed: 12/6/05

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

Static Water Level: _____ feet above or below (circle one) land surface Date measured: _____

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

Hole depth: 305 ft Well depth: 270 ft Well grouted to a depth of 270 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 300 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 20 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: 0.010 inches Setting depth: From 280 feet to 300 feet

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

Top of lap pipe or reduction in casing: N/A 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: SP, SPR

Name of organization running log(s): Mississippi Office of Geology

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.

Gomer Wallace WWC-0565
 Print Name of Water Well Contractor and License No.

Gomer Wallace
 Signature of Water Well Contractor

If well telescopes please sketch below and show depths.

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D-65

MONITORING WELL INSTALLATION LOG

No. GW-7

PROJECT: Monitoring Well Installation
Golden Triangle Regional Landfill
West Point, MS

FILE: 525311
DATE: 12/6/2005
DRILLER: C. Penton
RIG: Simco 2800
TECH: G. Griffith
ENGINEER: V. Donald, P.E.

CLIENT: Golden Triangle Regional Landfill
West Point, MS

Depth (ft)	Elev. (msl)	Feature	Generalized Soil Conditions (Interpreted from Geophysical Logs)	Depth (ft)
+3.0		Top of Well Casing	Steel Shroud Lockable	
0.0		Ground Surface	Steel Guardposts(4)	0
		Well Cap Lockable PVC - no locks provided	Concrete Pad 4" thickness, sloped to drain away from shroud	
		Riser Pipe 4" dia. PVC. Flush threaded joints with O-rings. Manufactured by Tri-Loc. Each pipe joint individually wrapped by manufacturer.		
		Annulus Grout Cement-bentonite, mixed using mud pump at 8 gal. water per 50 lb bag of cement and approximately 4% powdered bentonite. Placed above pellet seal using a 3/4" threaded PVC tremie pipe and slowly pumping until full grout returns are observed at the ground surface.		
		Soil Boring 8" diameter rotary washed soil boring. No artificial drilling muds used.		
270.0		Bentonite Pellets 1/4" diameter pellets placed from ground surface. Swelling time of approximately 4 hours prior to placement of cement/bentonite grout.	Demopolis Chalk Formation	
275.0				
280.0		Top of Well Screen		-275
		Filter Materials 20/40 sand - placed by tremie methods with 1-1/4 inch diameter, flush threaded tremie pipe.		
		Well Screen 4" diameter PVC, two nominal 10' joints. Manufactured by Tri Loc. Individually wrapped by manufacturer. Flush threaded to PVC riser above with O-ring. Flush threaded to PVC plug below.	Tombigbee Sand Member of Eutaw Formation	
		Bottom of Well Screen		
300.0		Bottom of Well		
305.0		Bottom of Bore Hole		
Groundwater Level Data		Advancement Method	Notes	
Groundwater Rose to 150 feet below ground surface		Mud Rotary	Not to Scale	
		Well Development		
		70 gallons purged		



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BY: OLWR