County: Clay

Permit #: WWC-0565

Driller: Craig Penton

Date drilling completed: 12/1/05

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 #: K-50

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: Golden Triangle Regional Solid Waste Mgmt Authority

Mailing Address: 2505 Old West Point Road

Starkville, MS 39759

City State Zip Code

Telephone No. (662) 324-7566

Well Location

Latitude: 33 ° 31 ' 42 " Longitude: 88 ° 39 ' 57 "

Method of Lat/Long (circle one): Conventional Survey, USGS quad, (Hand-held GPS), Survey-grade GPS

NE ¼ SW ¼ Sec 7 Twn 19 N Rng 16 E

Distance 4 Miles Direction South of Nearest Town West Point

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Monitor Well GW-6

Date well drilling started: 11/30/05 Date well drilling completed: 12/1/05

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 268 feet

Type of grout (circle one): Cement Bentonite (Mix)

Casing length: 298 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 278 feet to 298 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: _____

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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K-50

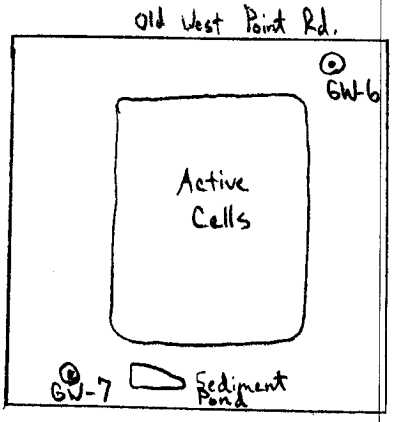
Ground Level

For Diagram,
See attached log.

Description of Formations Encountered	From ft	To ft
Demopolis Chalk Formation	0	270
Tombigbee Sand Member, Eutaw Formation	270	305

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) indicate direction.



Landowner Name: Golden Triangle Regional Solid Waste Management Authority

Signature of Water Well Contractor

RECEIVED
FEB 03 2006
BY: OLWR

MONITORING WELL INSTALLATION LOG

No. GW-6

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

CLIENT: Golden Triangle Regional Landfill
West Point, MS

FILE: 525311
DATE: 12/1/2005
DRILLER: C. Penton
RIG: Simco 2800
TECH: G. Griffith
ENGINEER: V. Donald, P.E.

Depth (ft)	Elev. (msl)	Feature	Generalized Soil Conditions (Interpreted from Geophysical Logs)	Depth (ft)
+3.0		Top of Well Casing		
0.0		Ground Surface		0
		Steel Shroud Lockable		
		Steel Guardposts(4)		
		Concrete Pad 4" thickness, sloped to drain away from shroud		
		Well Cap Lockable PVC - no locks provided		
		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.		
268.0		***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	
273.0				
278.0		***Top of Well Screen***		~270
		Filter Materials 20/40 sand - placed by tremie methods with 1-1/4 inch diameter, flush threaded tremie pipe.	Tombigbee Sand Member of Eutaw Formation	
		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.		
		Bottom of Well Screen		
298.0		***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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