

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED <u>Madison</u>	
WELL NUMBER <u>MW-5</u>	CODED
<u>M57</u>	
DATE WELL COMPLETED <u>6/6/96</u>	

PERMIT NUMBER
NAME OF DRILLING FIRM <u>Burns Cooley Dennis, Inc.</u>

NAME & MAILING ADDRESS OF LANDOWNER <u>City of Canton, Gus Kraft, Public Works Dir.</u>			
<u>Post Office Box 1605</u>			
<u>Canton, Mississippi 39046</u>			
WELL LOCATION	SEC	TOWNSHIP	RANGE
<u>NW/NE/SW/SE</u>	<u>26</u>	<u>9</u>	<u>2</u>
		<u>N</u>	<u>E</u>
		<u>S</u>	<u>W</u>
DISTANCE	DIRECTION	NEAREST TOWN	
<u>1</u> Miles	<u>SW</u>	of <u>Canton</u>	
OTHER LANDMARK <u>Canton Sanitary Landfill</u>			
WELL PURPOSE Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <u>Municipal Landfill Monitoring Well</u>			

PUMP DATA ← <u>N/A</u>		
PUMP TYPE (Circle One): Submersible, Turbine, Jet, Flowing Well, Other (Describe) _____		
POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) _____ H/P _____		
Pump Capacity (GPM)	No. of Stages	Setting Depth
		FT.
PUMP TEST Well yielded _____ GPM with a drawdown of _____ ft. after _____ hours of pumping		

WELL DATA		
Well Depth <u>93 (See Attached Well Schematic)</u>	Casing Diameter (In.) <u>8 3/4</u>	Casing Length (Ft.) <u>83</u>
Type of Casing <u>PVC</u>	Hole Depth <u>108</u>	Depth to Static Water Level
TYPE OF COMPLETION (Circle One or More): Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe) _____		

LOG DATA	
TYPE OF LOG RUN (Circle One): Electric, Gamma Ray, Density, Sonic, Neutron, Other (Describe) _____	
Name of Organization Running Log <u>No Log Run</u>	

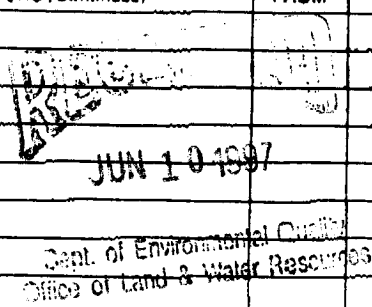
WELL GROUTED TO A DEPTH OF _____ FEET
Type Grout (circle one): Cement, Bentonite, or Mix

GEOLOGIC DATA (Office Use Only)			
Surface Elev	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

SCREEN DATA		
Diameter - Inches <u>2 (See Attached Well Schematic)</u>	Length - Feet <u>10</u>	Slot Size - Inches
Screen Type <u>PVC</u>	Depth to Bottom - Feet <u>93</u>	

Driller's Remarks	
Top of Lap Pipe or Reduction in Casing	
FEET	IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
<u>(See Attached Boring Log)</u>					



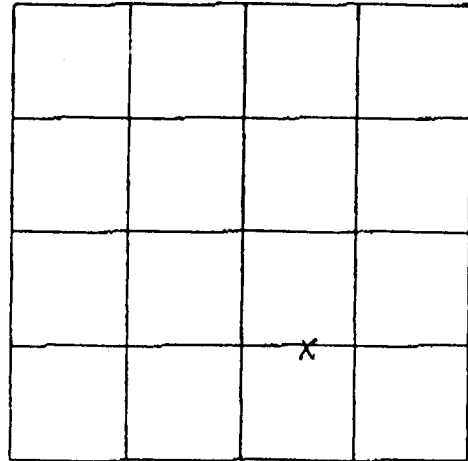
IF MORE SPACE IS NEEDED, USE BACK

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If well telescopes please sketch and show depths.

GROUND LEVEL



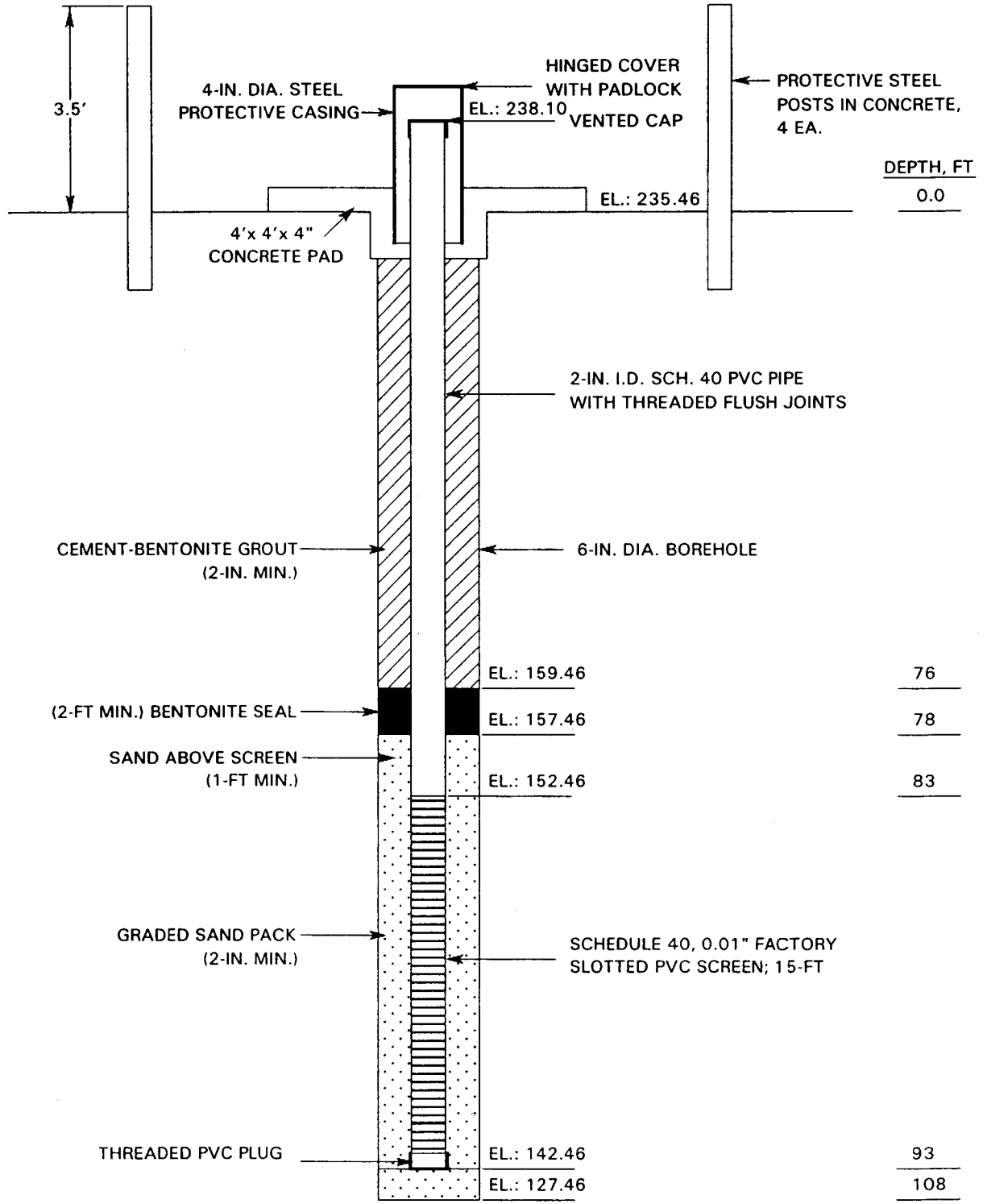
SECTION 26

Please indicate well location X.

ADDITIONAL INFORMATION

If more than one screen,
show location of each on sketch.

MONITOR WELL NO. MW-5
CANTON SANITARY LANDFILL
MADISON COUNTY, MISSISSIPPI



GROUNDWATER MONITORING WELL
NOT TO SCALE

DATE INSTALLED: 6/6/96

NOTE: SCREENED INTERVAL PLACED IN SILTY SAND (SM) OF MOODYS BRANCH FORMATION

INSTALLER: BCD, INC.

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LOG OF BORING NO. MW-5 CANTON LANDFILL MADISON COUNTY, MISSISSIPPI

TYPE: Rotary wash

LOCATION: See Figure 1

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	DRY DENSITY LBS/CU FT	Cohesion, kips/sq ft			
						1	2	3	4
			SURFACE EL: FT			○ - UC ○ △ - UU PLASTIC LIMIT WATER CONTENT % LIQUID LIMIT +-----+-----+-----+ 20 40 ● 60 80			
5			Stiff to very stiff tan and light gray clay (CH) (Weathered Yazoo)						
10									
15									
20									
25			Hard blue clay (CH) with fossil fragments (Unweathered Yazoo)						
30									
35									
40									
45									
50									

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LOG OF BORING NO. MW-5 (Continued)

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DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	DRY DENSITY LBS/CU FT	Cohesion, kips/sq ft					
						○ - UC	○		△ - UU		
						1	2	3	4		
						+	-	+	-		
						PLASTIC LIMIT	WATER CONTENT %	LIQUID LIMIT			
						20	40	60	80		
55	/ / / / /										
60	/ / / / /										
65	/ / / / /										
70	/ / / / /		Hard light gray silty clay (CL) with cemented partings, fossil fragments and glauconite (Moody's Branch)								
75	/ / / / /										
80		Very dense gray silty fine sand (SM) with glauconite and fossil fragments (Moody's Branch)								
85	X									
90		- cemented layer 89' - 90.5'								
95	X									
100										

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LOG OF BORING NO. MW-5 (Continued)

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DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	DRY DENSITY LBS/CU FT	Cohesion, kips/sq ft			
						○ - UC	Cohesion, kips/sq ft		△ - UU
						1	2	3	4
						PLASTIC LIMIT	WATER CONTENT %		LIQUID LIMIT
						+ 20	- - - 40	● 60	+ 80
105									
110			Dense brown silty sand (SM), slightly clayey, with clay seams						
115									
120									
125									
130									
135									
140									
145									
150									

BORING DEPTH: 108.0 FT	COMMENTS: Logged by rotary wash cuttings.	GROUNDWATER DATA: Not determined.
DATE: 6/3 - 6/6/96		

50881.RDS