

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	
Madison	
WELL NUMBER	CODED
MW-4	
M54	
DATE WELL COMPLETED	
5/31/96	

PERMIT NUMBER
NAME OF DRILLING FIRM
Burns Cooley Dennis, Inc.

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

PUMP DATA ← N/A		
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	Casing Diameter (In)	Casing Length (Ft)
50 (See Attached Well Schematic)	40	
Type of Casing	Hole Depth	Depth to Static Water Level
PVC	63	
TYPE OF COMPLETION (Circle One or More):		
Gravel Packed,	Underreamed,	Telescoped,
Natural Development,	Open Hole,	Other
(Describe) _____		
WELL GROUTED TO A DEPTH OF _____ FEET		
Type Grout (circle one): Cement, Bentonite, or Mix		

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

SCREEN DATA		
Diameter - Inches	Length - Feet	Slot Size - Inches
(See Attached Well Schematic)	10	
Screen Type	Depth to Bottom - Feet	
PVC	50	

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

RECORDED
JUN 10 1997
Dept. of Environmental Quality
Office of Land & Water Resources

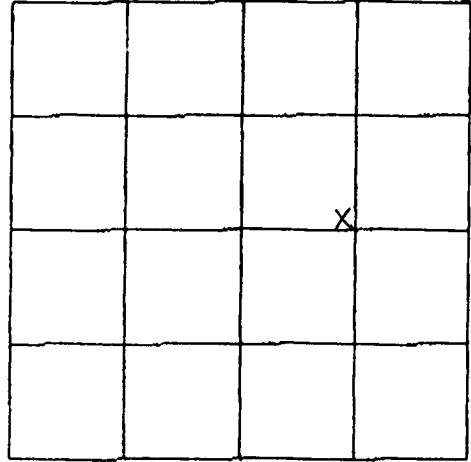
IF MORE SPACE IS NEEDED USE BACK

1954

M 54

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION 26

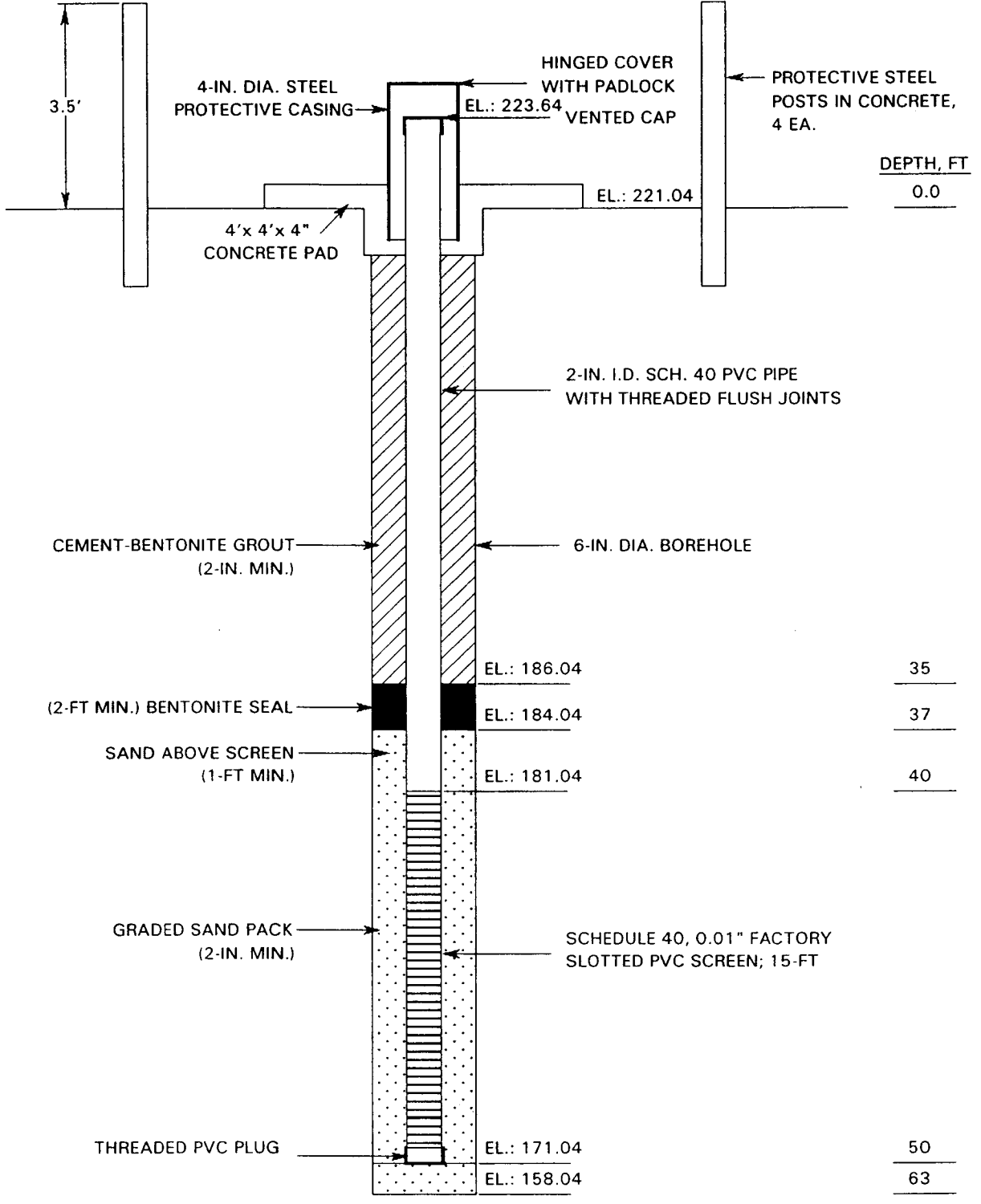
Please indicate well location X.

ADDITIONAL INFORMATION

A series of horizontal lines for writing additional information.

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

MONITOR WELL NO. MW-4
CANTON SANITARY LANDFILL
MADISON COUNTY, MISSISSIPPI



GROUNDWATER MONITORING WELL

NOT TO SCALE

DATE INSTALLED: 5/31/96

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

INSTALLER: BCD, INC.

LOG OF BORING NO. MW-4
CANTON LANDFILL
MADISON COUNTY, MISSISSIPPI

MSA

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			
						○ - UC	△ - UU		
			SURFACE EL: FT			1	2	3	4
						PLASTIC LIMIT	WATER CONTENT %	LIQUID LIMIT	
						+-----+ 20	40 ● 60	+-----+	
5			Very stiff tan and light gray silty clay (CL) (Loess)						
10			Very stiff tan, light gray and red clay (CH) (Weathered Yazoo)						
30			Hard blue clay (CH) with fossil fragments (Unweathered Yazoo)						
40			Hard light gray silty clay (CL) with fossil fragments and glauconite (Moodys Branch)						
45			Very dense blue and gray silty fine sand (SM), slightly clayey, with fossil fragments and glauconite - cemented layer 45' - 47' (Moodys Branch)						

Continued Next Page

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LOG OF BORING NO. MW-4 (Continued)

MS4

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	▨		Hard gray clay (CH), slightly silty, with trace of lignite nodules (Cockfield)						
70									
75									
80									
85									
90									
95									
100									

BORING DEPTH: 63.0 FT

COMMENTS: Logged by rotary wash cuttings.

GROUNDWATER DATA: Not determined.

DATE: 5/31/96

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