

# MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

Bureau of Land and Water Resources

COUNTY WELL LOCATED  
Washington  
 WELL NUMBER E139 CODED   
 DATE WELL COMPLETED  
4-12-91

22-4732

PERMIT NUMBER  
MS-LW-15933  
 NAME OF DRILLING FIRM  
Layne-Central  
Cleveland, MS

P.O. Box 10631  
 Jackson, Mississippi 39209  
 WATER WELL DRILLERS LOG

NAME & MAILING ADDRESS OF LANDOWNER  
BLACK Bayou Water Assn  
Washington County, MS

WELL LOCATION: SEC 28 TOWNSHIP 18 RANGE 8 <sup>N</sup> <sub>E</sub> 7 <sup>W</sup>

DISTANCE 2 Miles DIRECTION S of NEAREST TOWN Leland

OTHER LANDMARK

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.  
Rural Public Supply

PUMP DATA

PUMP TYPE (Circle One):  
 Submersible, Turbine, Jet Flowing Well,  
 Other (Describe)

POWER TYPE (Circle One):  
Electric, Tractor, Diesel, Gasoline, Butane,  
 Other (Describe) H/P 30

Pump Capacity (GPM) 400 No. of Stages 6 Setting Depth 120 FT.

PUMP TEST  
 Well yielded Not Tested GPM with  
 a drawdown of \_\_\_\_\_ ft.  
 after \_\_\_\_\_ hours of pumping

WELL DATA

Well Depth <u>356'</u>	Casing Diameter (In.) <u>12</u>	Casing Length (Ft.) <u>300</u>
Type of Casing <u>st. st</u>	Hole Depth <u>593'</u>	Depth to Static Water Level <u>38'</u>

TYPE OF COMPLETION: (Circle One or More):  
 Gravel Packed,  Underreamed, Telescoped,  
 Natural Development, Open Hole, Other

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

LOG DATA

TYPE OF LOG RUN (Circle One):  
 Electric, No Log Run,  
 Gamma Ray, Density, Sonic, Neutron,  
 Other (Describe)

Name of Organization Running Log  
Layne Geophysical

SCREEN DATA

Diameter - Inches <u>8</u>	Length - Feet <u>50</u>	Slot Size - Inches <u>.015</u>
Screen Type <u>st. stal</u>	Depth to Bottom - Feet <u>4</u>	

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. Sw.	Date	Analysis	Qualifier Test

DIAGNOSED

MAY 08 1991

Dept. of Environmental Quality  
 Bureau of Land & Water Resources

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM		TO		FORMATIONS (Continued)	FROM		TO	
<u>Clay</u>		<u>0</u>		<u>32</u>	<u>Sand</u>	<u>270</u>		<u>371</u>	
<u>Sand</u>		<u>32</u>		<u>57</u>	<u>Clay</u>	<u>371</u>		<u>377</u>	
<u>Coarse Sand &amp; Pea Gravel</u>		<u>57</u>		<u>111</u>	<u>Sand w/Clay STRS.</u>	<u>377</u>		<u>501</u>	
<u>Clay</u>		<u>111</u>		<u>119</u>	<u>Sand (cut Good)</u>	<u>501</u>		<u>593</u>	
<u>Sandy Clay</u>		<u>119</u>		<u>123</u>					
<u>Sand</u>		<u>123</u>		<u>147</u>					
<u>Hard Rock</u>		<u>147</u>		<u>149</u>					
<u>Sandy Clay</u>		<u>149</u>		<u>183</u>					
<u>Clay</u>		<u>183</u>		<u>227</u>					
<u>STRS. of Sand &amp; Clay</u>		<u>227</u>		<u>241</u>					
<u>Hard Clay</u>		<u>241</u>		<u>270</u>					

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please  
sketch and show depths.

GROUND LEVEL


SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

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