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**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Office of Land and Water Resources

P. O. Box 10631  
Jackson, MS 39289-0631

COUNTY WELL LOCATED Bollivar	
WELL NUMBER F177	CODED <input checked="" type="checkbox"/>
DATE WELL COMPLETED 4/26/99	

PERMIT NUMBER Gw15365
NAME OF DRILLING FIRM Layne-Central, a div. of Layne Christensen Company

NAME & MAILING ADDRESS OF LANDOWNER Town of Beulah, MS  P.O. Box 68  Beulah, MS 38726			
WELL LOCATION	SEC	TOWNSHIP	RANGE
	36	23	N 8 W
DISTANCE	DIRECTION		NEAREST TOWN
N. Railroad Street	of		Beulah
OTHER LANDMARK			
WELL PURPOSE Home, Irrigation, <u>Municipal</u> , Industrial, Fish Pond, etc. Municipal			

PUMP DATA		
PUMP TYPE (Circle One): Submersible, <u>Turbine</u> , Jet, Flowing Well, Other (Describe)		
POWER TYPE (Circle One): <u>Electric</u> , Tractor, Diesel, Gasoline, <u>20</u> Butane, Other (Describe) H/P		
Pump Capacity (GPM)	No. of Stages	Setting Depth
220	8	150 FT.
PUMP TEST		
Well yielded <u>220</u> GPM with a drawdown of <u>83</u> ft. after <u>24</u> hours of pumping		

WELL DATA		
Well Depth 654'	Casing Diameter (in.) 12"	Casing Length (Ft.) 586'
Type of Casing Steel	Hole Depth 907'	Depth to Static Water Level 41'3"
TYPE OF COMPLETION: (Circle One or More): <u>Gravel Packed</u> , <u>Undrilled</u> , Telescoped, Natural Development, Open Hole, Other (Describe)		
WELL GROUTED TO A DEPTH OF <u>586</u> FEET Type Grout (circle one) <u>Cement</u> , Bentonite, or Mix		

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

SCREEN DATA		
Diameter - Inches 6"	Length - Feet 60	Slot Size - Inches .015
Screen Type Stainless Steel	Depth to Bottom - Feet 654'	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test
Driller's Name: <b>Dept. of Environmental Quality Office of Land &amp; Water Resources</b>			
Top of Lap Pipe or Reduction in Casing <u>530</u> FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	
			FROM	TO
Sand	0	66	Shale - Sand	369 398
Sand	66	93	Hard Clay	398 427
Gravel & Sand	93	127	Hard Clay	427 457
Coarse Sand	127	158	Fine Sand - Clay	457 486
Coarse Sand	158	187	Fine Sand - Clay	486 517
Sand	187	218	Fine Sand - Clay	517 546
Sand - Clay	218	248	Fine Sand - Shale	546 575
Sand - Clay	248	278	Fine Sand	575 605
Sand - Shale	278	309	Fine Sand - Shale	605 636
Sand - Shale	309	339	Shale - Sand	636 667
Shale - Sand	339	369	IF MORE SPACE IS NEEDED, USE BACK	OVER=====