

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

COUNTY WELL LOCATED
Oktibbeha

WELL NUMBER CODED
5 **G44**

DATE WELL COMPLETED
5/99

PERMIT NUMBER
MS-GW-15520

NAME OF DRILLING FIRM
Layne-Central

Jackson, MS

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

NAME & MAILING ADDRESS OF LANDOWNER
Mississippi State University

PO Box 5208

Mississippi State, MS 39762

WELL LOCATION SEC TOWNSHIP RANGE
-- 2 18N 14E

DISTANCE DIRECTION NEAREST TOWN
-- Miles of Mississippi State

OTHER LANDMARK
Beside Bulldog Power Substation

WELL PURPOSE Home, Irrigation, Municipal, Industrial, Fish Pond, etc
State University

PUMP DATA

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

POWER TYPE: Electric Tractor
Diesel Gasoline Butane
Other (Describe) H/P 200

Pump Capacity (GPM) 1000 No. Of Stages 14 Setting Depth 360 FT.

PUMP TEST
Well yielded 1242 GPM with
a drawdown of 90 ft.
after 24 hours of pumping

WELL DATA

Well Depth 1400' Casing Diameter (In.) 16" Casing Length (Ft.) 1345'

Type of Casing Steel Hole Depth 1405' Depth of Static Water Level 222'

TYPE OF COMPLETION Gravel Packed Underreamed Telescoped Open Hole
Natural Development Other (Describe)

WELL GROUDED TO A DEPTH OF 1345' FEET

TYPE GROUT Cement Bentonite Mix

LOG DATA

TYPE OF LOG RUN Electric No Log Run
Sonic Gamma Ray Density
Neutron

Other (Describe)

Name of Organization Running Log
Layne-Central

SCREEN DATA

Diameter - Inches 10" Length - Feet 50' Slot Size - Inches 0.030"

Screen Type Stainless Steel Depth to Bottom - Feet 5'

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

Driller's Remarks
Left gravel 6' down outside of lap

Top of Lap Pipe or Reduction in Casing 1265 FEET

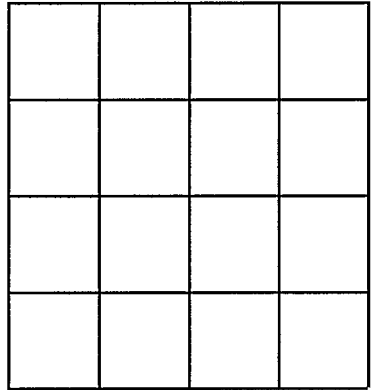
IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE.

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Top Soil	0	10	Sandy Shale & Lime	1,096	1,225
Sandy Clay	10	30	Hard Shale & Lime	1,225	1,230
Blue Clay	30	150	Sand & Shale Streaks	1,230	1,300
Clay & Lime Streaks	150	400	Hard Shale & Lime	1,300	1,340
Sandy Clay	400	503	Sand	1,340	1,401
Sandy Clay & Lime	503	565	Hard Shale	1,401	1,406
Sandy Clay & Shale Streaks	565	656	Sand	1,406	1,427
Rock	656	657	Hard Shale & Lime	1,427	1,477
Sandy Clay	657	720		0	
Lime	720	738		0	
Rock	738	739		0	
Lime	739	766		0	
Sand & Hard Shale Streaks	766	1,036		0	
Clay & Hard Shale	1,036	1,123		0	

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.