

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

COUNTY WELL LOCATED
CALHOUN

WELL NUMBER **X 19** CODED

DATE WELL COMPLETED
5/9/96

PERMIT NUMBER

NAME OF DRILLING FIRM
LAYNE-CENTRAL, a division of

Layne Christensen Company

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

WATER WELL DRILLERS LOG

NAME & MAILING ADDRESS OF LANDOWNER
TOWN OF CALHOUN CITY

C/O JOE SUTHERLAND ENGINEERS

P.O. BOX 635 *23rd St 9E*
GRENADA, MS 38901 *145 1st*

WELL LOCATION SEC TOWNSHIP RANGE
11 15 23 14 S 9 E

DISTANCE DIRECTION NEAREST TOWN
INSIDE CITY LIMITS OF CALHOUN CITY

OTHER LANDMARK

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

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

Pump Capacity (GPM)	No. of Stages	Setting Depth
500	8	220 FT.

PUMP TEST
Well yielded 525 GPM with
a drawdown of 40 ft.
after 24 hours of pumping

WELL DATA

Well Depth 2035'	Casing Diameter (In.) 12"	Casing Length (Ft.) 1971'
Type of Casing STEEL	Hole Depth 2035'	Depth to Static Water Level 142'

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

WELL GROUTED TO A DEPTH OF **1971** FEET
Type Grout (circle one) Cement, Bentonite, or Mix

LOG DATA

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

Name of Organization Running Log
LAYNE

SCREEN DATA

Diameter - Inches 8"	Length - Feet 60'	Slot Size - Inches .020
Screen Type STAINLESS STEEL	Depth to Bottom - Feet 2031 2035'	

GEOLOGIC DATA (Office Use Only)

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

Driller's Remark

Top of Lap Pipe or Reduction in Casing
1901 FEET

IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	DESCRIPTION OF FORMATIONS ENCOUNTERED (Continued)	FROM	TO
RED CLAY	0	8	SHALE	476	525
SANDY GRAY CLAY	8	18	SANDY SHALE	525	645
GRAY CLAY W/SAND STKS	18	28	HARD SHALE	645	702
ROCK	28	28	LIMESTONE & SHALE STKS	702	1260
GRAY CLAY	28	157	SHALE	1260	1490
ROCK	157	157	GRAY CLAY	1490	1540
GRAY CLAY	157	171	SANDY SHALE	1540	1672
ROCK	171	171	SHALE & SAND STREAKS	1672	1773
GRAY CLAY	171	275	ROCKS	1773	1783
SANDY GRAY CLAY	275	335	SANDY SHALE	1783	1790
SHALE	335	476			

IF MORE SPACE IS NEEDED, USE BACK

RECEIVED

1996 JUN 13 10:00 AM

Mississippi Department of Environmental Quality
Office of Land & Water Resources