

COUNTY WELL LOCATED
Clarke

WELL NUMBER CODED
4 A136

DATE WELL COMPLETED
10/98

PERMIT NUMBER
MS-GW-15205

NAME OF DRILLING FIRM
Layne-Central

Jackson, MS

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
 Office of Land and Water Resources

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

NAME & MAILING ADDRESS OF LANDOWNER
Harmony Water Association

PO Box 342

Quitman, MS 39355

WELL LOCATION SEC TOWNSHIP RANGE
4 4N 14E

DISTANCE DIRECTION NEAREST TOWN
5 Miles NW of Enterprise

OTHER LANDMARK
At Water Tank & Treatment Plant

WELL PURPOSE Home, Irrigation, Municipal, Industrial, Fish Pond, etc
Rural Water Association

PUMP DATA

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

POWER TYPE: Electric Tractor
 Diesel Gasoline Butane
 Other (Describe) _____ H/P **40**

Pump Capacity (GPM) **400** No. Of Stages **7** Setting Depth **210 FT.**

PUMP TEST
 Well yielded **474** GPM with
 a drawdown of **15** ft.
 after **24** hours of pumping

WELL DATA

Well Depth **1509'** Casing Diameter (In.) **12"** Casing Length (FL) **1460'**

Type of Casing **Steel** Hole Depth **1509'** Depth of Static Water Level **139'**

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

WELL GROUTED TO A DEPTH OF **1460'** FEET
 TYPE GROUT
 Cement Bentonite Mix

LOG DATA

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

Other (Describe) _____

Name of Organization Running Log
Layne-Central

SCREEN DATA

Diameter - Inches **8"** Length - Feet **40'** Slot Size - Inches **0.020**

Screen Type **Stainless Steel** Depth to Bottom - Feet **4'**

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks
Casing and lap pipe coated

Top of Lap Pipe or Reduction in Casing **1375** FEET
 IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE.

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Red Sand	0	125	Clay & Sand	1,096	1,189
Gray Clay & Shale Streaks	125	282	Clay & Sandy Shell	1,189	1,220
Hard Gray Clay	282	314	Clay & Shell	1,220	1,252
Gray Clay & Sand	314	377	Sand & Clay	1,252	1,283
Gray Clay & Sand Streaks	377	564	Clay	1,283	1,314
Clay & Lignite Streaks	564	594	Sand	1,314	1,410
Clay & Shale Streaks	594	688	Sand	1,410	1,550
Clay & Lignite Streaks	688	814			
Hard Clay	814	907			
Clay & Sandy Shale	907	1,002			
Clay & Sand	1,002	1,096			

IF MORE SPACE IS NEEDED, USE BACK