

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

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

WATER WELL DRILLERS LOG

COUNTY WELL LOCATED
Lowndes

WELL NUMBER: **M-39** CODED

DATE WELL COMPLETED
3/7/2002

PERMIT NUMBER
MSGW-15799

NAME OF DRILLING FIRM
Layne-Central, a division of Layne

Christensen Company

NAME & MAILING ADDRESS OF LANDOWNER
**EAST LOWNDES WATER ASSOCIATION
P.O. BOX 9190
COLUMBUS, MS 39705**

Latitude:
Longitude:

WELL LOCATION SEC **4** TOWNSHIP **19** RANGE **17**

N E
 S W

DISTANCE **1-1/2** Miles DIRECTION **South** of NEAREST TOWN **Highway 82**

OTHER LANDMARK
In New Hope, MS

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

WELL DATA

Well Depth **537'6"** Casing Diameter (in) **20"** Casing Length (Ft.) **458 ft.**

Type of Casing **Steel** Hose Depth **554 ft.** Depth to Static Water Level **141 ft.**

TYPE OF COMPLETION (Check One or More)

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

WELL GROUTED TO A DEPTH OF **458** FEET
Type of Grout (Check One) Cement Bentonite or Mix

SCREEN DATA

Diameter - inches **10"** Length - feet **70'6"** Slot Size - inches **.040**

Screen Type **Stainless Steel** Depth to Bottom - Feet **537'6"**

PUMP DATA

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

POWER TYPE (Check One):
 Electric Tractor Diesel Gasoline Butane
 Other (Describe) H/P **150**

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Clay	0	25
Gravel	25	35
Sandy Clay	35	40
Clay	40	50
Rock	50	53
Clay	53	114
Rock	114	115
Clay w/ Sandy Shale	115	140
Rock	140	142
Clay w/ Sandy Shale	142	182
Rock	182	183
Clay w/ Sandy Shale	183	190
Rock	190	191
Hard Clay	191	200
Rock	200	202
Hard Clay	202	210
Rock	210	211
Hard Clay	211	230
Rock	230	231
Clay w/ Sand	231	260
Rock	260	261
Clay w/ Sand	261	273
Sand w/ Clay	273	313
Hard Clay	313	353
Sand w/ Clay	353	409

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

I certify that the well was drilled, constructed and completed in accordance with all applicable Requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

[Signature] Signature of Licensed Driller and License No. **0-64**

2/5/03 Date

Additional Information Required on Back

Hard Shale w/ Sand 409-424
 Sand w/ Shale 424-454
 Coarse Sand w/ Gravel 454-534
 Clay 534-554

If well telescopes, please sketch and show depths.

GROUND LEVEL

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

SECTION _____

Please indicate well location X.

Pump Capacity (GPM) 1200	No. of Stages 5	Setting Depth 350 FT.
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PUMP TEST
 Well yielded 1205 GPM with
 a drawdown of 100.5 ft.
 after 4 hours of pumping

LOG DATA

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

Name of Organization Running Log
LAYNE GEOPHYSICAL SERVICE

GEOLOGICAL DATA (Office Use Only)

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

Driller's Remarks
 Layne File No. 22-8811

NOTE:

