

15732

F-110 OK Pat 1/03

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 Desoto		PERMIT NUMBER 3W 15732
WELL NUMBER Airways #2	CODED	NAME OF DRILLING FIRM Layne Central Co.
DATE WELL COMPLETED 07/01/2002		P.O. Box 80096 TN

NAME & MAILING ADDRESS OF LANDOWNER

City of Southaven

8710 Northwest Drive

Southaven, MS. 38671

WELL LOCATION: **34° 33' 31" S** TOWNSHIP **2** RANGE **8**

89° 59' 30" W

DISTANCE **1** Miles DIRECTION **South** NEAREST TOWN **Chruch&I55**

OTHER LANDMARK

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

PUMP DATA

PUMP TYPE (Circle One):
Submersible, **Turbine**, Jet, Flowing Well,
Other (Describe) **14RJC Bronze**

POWER TYPE (Circle One):
Electric, Tractor, Diesel, Gasoline, Butane,
Other (Describe) **125** H/P

Pump Capacity (GPM)	No. of Stages	Setting Depth
1650	4	220 FT.

PUMP TEST

Well yielded **1650** GPM with
a drawdown of **42** ft.
after **8** hours of pumping

WELL DATA

Well Depth 399	Casing Diameter (In.) 20"	Casing Length (Ft.) 290
Type of Casing .375 Carbon	Hole Depth 399	Depth to Static Water Level 121.5'

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

WELL GROUTED TO A DEPTH OF **290** FEET
Type Grout (circle one): Cement, Bentonite, or Mix

LOG DATA

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

Name of Organization Running Log
Layne Central Co.

SCREEN DATA

Diameter - Inches 12"	Length - Feet 100'	Slot Size - Inches 30 Slot
Screen Type Houston 5th WW		Depth to Bottom - Feet 399

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks

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

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Top Soil	1	1	Coarse Red Sand	366	380
Brown & Tan Clay	1	15	Medium Gray Sand	380	400
Light Gray Clay	15	17	Gray Clay	400	438
Tan Sandy Clay	17	35			
Coarse Sand w/ Clay	35	47			
Gravel	47	53			
Medium Sand w/ Clay Str	53	165			
Gray Clay Strip	165	170			
Medium Sand w/ Clay	170	280			
Medium Gray Sand	280	365			
Sand Stone	365	366			

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BY: OLWR

IF MORE SPACE IS NEEDED, USE BACK