

Permit owner: Robert D. Felts  
 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**

WELL NUMBER  
**5**

CODED

**B-76**

DATE WELL COMPLETED  
**5-24-02**

PERMIT NUMBER  
**MS-GW 15559**

NAME OF DRILLING FIRM  
**Layne Central div of**

**Layne Christensen**

NAME & MAILING ADDRESS OF LANDOWNER  
**Southern Power LLC Cognorix**  
**9405 Arrowpoint Blvd.**  
**Charlotte NC 28213**

Lat: **34° 59' 37" N**  
 Long: **80° 02' 28" W**

WELL LOCATION: SEC **15** TOWNSHIP **1 N** RANGE **8 E**

DISTANCE **2** Miles DIRECTION **west** of NEAREST TOWN **High 51**

OTHER LANDMARK  
**Shoreline of High 51 / NEXCO power**

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

**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 **200**

Pump Capacity (GPM) **1205** No. of Stages **6** Selling Depth **290** FT.

PUMP TEST  
 Well yielded **1205** GPM with  
 a drawdown of **40'** ft.  
 after **72** hours of pumping

**WELL DATA**

Well Depth **1420'** Casing Diameter (In.) **20"** Casing Length (Ft.) **1315**

Type of Casing **1315 steel** Hole Depth **1420'** Depth to Static Water Level **118'**

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

WELL GROUTED TO A DEPTH OF **1315** FEET  
 Type Grout (circle one): **Cement**, Bentonite, or Mix

**SCREEN DATA**

Diameter - Inches **12"** Length - Feet **100'** Slot Size - Inches **20 slot**

Screen Type **304 stainless WW** Depth to Bottom - Feet **1420'**

**LOG DATA**

TYPE OF LOG RUN (Circle One):  
**Electric**, Gamma Ray, Density, Sonic, Neutron,  
 Other (Describe)

Name of Organization Running Log  
**LAYNE CENTRAL CO**

**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

FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
<b>(see attached)</b>					

**RECEIVED**  
**SEP 03 2002**  
**BY: OLWR**