If well telescopes please sketch and show depths.

GROUND LEVEL

SECTION
Please indicate well location X.

ADDITIONAL INFORMATION

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

WELL NUMBER
5

CODED
B-76

DATE WELL COMPLETED
5-24-02

PERMIT NUMBER
MS-06W15559

NAME OF DRILLING FIRM
Layne Central Div or

NAME & MAILING ADDRESS OF LANDOWNER
Southern Power LLC Attn: Virgil
9405 Kiowa Point Blvd.
Charlotte, NC 28217

LAT: 34°56'37" N
LONG: 90°02'28" W

WELL LOCATION
SEC 1 TOWNSHIP 8 RANGE E

DISTANCE DIRECTION NEAREST TOWN
2 Miles West of Hwy 57

OTHER LANDMARK
Stationary on Hwy 57/Nebo Power

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

Industrial Water Supply

PUMP DATA

PUMP TYPE (Circle One): Submersible, Jet, Flowing Well, Turbine

POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe)

H.P. 200

Pump Capacity (GPM): 1205

No. of Stages 6

Setting 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.): 1316

Type of Casing Type of Grout (circle one): Cement, Bentonite, or Mix

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 1316 FEET

SCREEN DATA

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

Screen Type: 304 Stainless Steel

Description to Bottom - Feet: 1316'

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

(SEE ATTACHED)

FORMATIONS (Continued)

FROM TO

RECEIVED
SEP 03 2002
BY: OLWR

IF MORE SPACE IS NEEDED USE BACK PAGE
### Misc Other ID Data
- E-Log No: 190
- Assigner: MISS DIST

### Misc Logs Data
- Log Type: OR
- Beg. Depth: 200
- End Depth: 1420

### Misc. Network Data
- Agency Source: A
- Freq: 118

### Misc Remarks Data
- Date of Remarks: 184
- Remarks: (Max. of 44 characters)

### Discharge Data
- Pump/Flow: 147 #1
- Date: 05/24/2002
- Type: F
- Discharge: 1205

### Geohydrologic Data
- Depth-Top of Interval: 1300
- Depth-Bottom of Interval: 1420
- Aquifer Code: 11245PRT

### Hydraulic Data
- Unit Tested: 100
- Unit Type: 103

### Historical Water Level Data
- Date: 05/24/2002
- Water Level: 118
- Source: L
- Source Agency: 247 MS008

### Total Depth Table
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<thead>
<tr>
<th>Total Depth</th>
<th>Thickness Each Stratum</th>
<th>Formation</th>
<th>Source</th>
<th>Source Agency</th>
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<td>Sand &amp; Gravel</td>
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<td>236</td>
<td>Gray Clay</td>
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<td>Fine Sand, Shale Streaks, &amp; Lignite</td>
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<td>MS008</td>
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</table>
Agancy Code: USGS  Site ID: 1=34593709002801  Project No. (12 chara.): 9=34593737

Station Name: HORN LAKE QUAD  Latitude: 0=2801  County Code: 0=33

Longitude: 10=0900228  State Code: 2=28  Location Map: 14=HORN LAKE  Accuracy: 16=265

Lat/Long Acc.: 11=5  Topo Set: 19=A10  Method: 17=M

Lat/Long Meth.: 35=G  Agency Use: 7115

Lat/Long Datum: NAD83  Datum: 28=28  Level Net Location:

Land Net Location: 13=SWSW  Meridians: -1=Chickasaw, O=Chocow, H=Huntsville, S=St. Stephens, W=Washington

Location Map: 22=NAD83  Dist. Code: 28=28  Hydrologic Unit: 408B  Topo Set: 21=05240202

Station Remarks Field: 50 chara.---33 spaces shown

Station Type: 802=W  Date Inventoried: 7115

Well Use: 804=W  Water Use: 813=-53  Well Use: 814=Y

Primary Aquifer: W  Hydrological Unit: 408B

Well Depth: 28=1420  Hole Depth: 27=1420  Date of Construction: 21=05240202

Construction Date: 63=0064  Contractor: LAYNE CENTRAL

Method: 66=G  Finish: 65=H

Construction Casing Data:  R=58 T=A 723 #1  Top of Casing: 77=0

Bottom of Casing: 76=1315  Diameter: 79=20  Material: 80=S

G-galv. pipe, P-pvc/plastic, S-steel

Top of Casing: 77=1254  Bottom of Casing: 76=1315  Diameter: 79=12  Material: 80=S

G-galv. iron, P-pvc/plastic, R-stainless steel, S-steel

Bottom / Depth: 84=1415  Diameter: 87=12  Material: 86=R

Type: 85=R  Width: 86=020

Concrete Opening Data:  R=82 T=A 726 #9  Top / Depth: 83=1315

Bottom / Depth: 84=1415  Diameter: 87=12  Material: 86=R

G-galv. iron, P-pvc/plastic, R-stainless steel, S-steel

Well Lift Data:  R=44 T=A 254 #1  Lift Type: P-piston, R-Rotary, S-Submersible

Power/Type: 43=T  Horse Power: 46=200

Serial No: 49=

Misc Owner Data:  R=158 T=A 718 #8  Date of Ownership: 159=05242002

Owner Name: SOUTHWAY PH R NEPCO  Phone Number: 335=28273