



**EXPLANATION**

**WELL SECTION AND LOG TRACE**

- Well number
- Well section and lithologic interpretation
- Test interval with water-level and chloride data.
- WL is water level in feet above (+) sea level.
- CL is chloride value in milligrams per liter
- Resistance curve (R)
- Spontaneous potential curve (SP)
- GR denotes gamma-ray trace

**LITHOLOGIC INTERPRETATION**

- Relatively impermeable section that consists mostly of clay and silt. These represent confining beds
- Relatively permeable section that consists of sand or limestone. These represent aquifers
- Section containing a mixture of sand and clay that is intermediate between aquifer and confining-bed properties

**BASEMENT ROCKS REACHED BY TEST HOLE**

**BASEMENT ROCKS AT WELL SITE NOT REACHED BY TEST HOLE—Basement depth estimated from Brown and others (1972, pl. 5)**

**LINE OF EQUAL CHLORIDE CONCENTRATION, 1980, IN MILLIGRAMS PER LITER**

**LINE OF SECTION LOCATED ON PLATE 1**

HYDROGEOLOGIC SECTION J - J' FROM CLARENDON, COLUMBUS COUNTY, TO GOLDSBORO, WAYNE COUNTY, NORTH CAROLINA