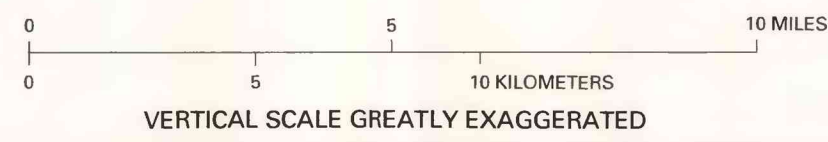


**EXPLANATION**

- WELL SECTION AND LOG TRACE**
- 12 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
- BASEMENT ROCKS AT WELL SITE NOT REACHED BY TEST HOLE—Basement depth estimated from Brown and others (1972, pl. 5)**
- E ---
- 250 ---  
--- 10,000 ---
- LINE OF EQUAL CHLORIDE CONCENTRATION, 1980, IN MILLIGRAMS PER LITER
- LINE OF SECTION LOCATED ON PLATE 1



**HYDROGEOLOGIC SECTION K - K' FROM NAKINA, COLUMBUS COUNTY, TO MAPLE HILL, PENDER COUNTY, NORTH CAROLINA**