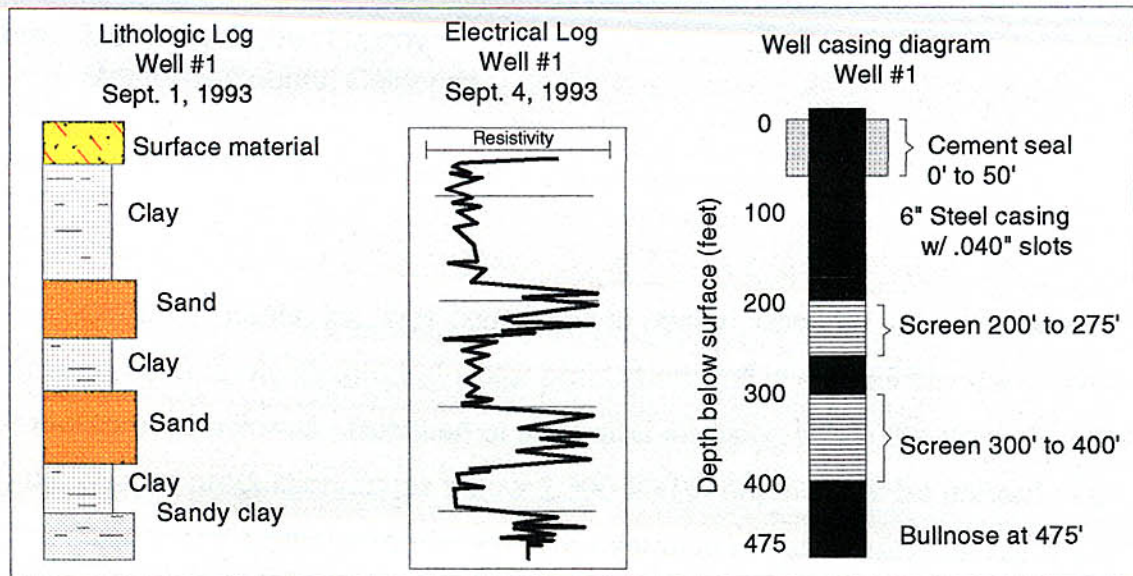


WATER WELL CONSTRUCTION AND DEVELOPMENT



The steps undertaken to develop an efficient high-capacity production well at a given site include:

- 1) evaluation of the potentially productive aquifer by means of hydrogeologic data obtained from a test hole,
- 2) preparation of specifications for construction of the well,
- 3) construction, development, and pump testing of the completed well, and
- 4) preparation of an "as-built" report on the construction and testing of the well.

Contained in the final report are construction details for the well, results of pumping test(s), water quality data, and interpretations on the long-term yield.

Additional tasks performed throughout the process described above are: preparation of lithologic (rock sample) logs, evaluation of the electrical log for formation productivity and water quality, sieve analysis of potentially productive formations for gravel pack and screen slot specifications, and observation during drilling, casing, and seal installation.