

The water for family use on the farms and in the small villages scattered throughout the county is obtained almost entirely from open wells and springs. Only a few driven wells are in use. Springs are abundant, are often very large, and are much used. The village of Spout Springs is said to derive its name from an old spring which issued through a small spout. The open wells range in depth from 10 to 80 feet, most of them being less than 40 feet. Many of these enter the underlying basement rocks, the water coming from seams in the rock.

HARNETT

Number.	Location.	Owner.	Date completed.	Elevation of surface above datum—feet.	Datum.	Depth—feet.	Diameter—inches.	Depth to principal water supply—feet.	Height of water, ± surface—feet.
1	Dunn.....	Town.....	1903	208		434	*	434	—12
2	Cambro.....	Harnett Lumber Co.....	1902			255	8		—30
3	Duke.....	Erwin Cotton Mills Co....	1906	170	elevation of water in Cape Fear River.	501½	8	363	—99

*10 inches at top; 8 inches at bottom.

HERTFORD COUNTY.

Topography.—The surface of the county is formed of Pleistocene terrace plains. Small areas of the Pamlico plain, with elevations not exceeding 20 or 25 feet, are present along Chowan and Meherrin rivers and some of their creek tributaries; the Chowan plain, with elevations of 30 to 50 feet, covers the greater part of the eastern half of the county; while the Wicomico plain, with elevations of from 70 to perhaps 80 feet, covers about the western half of the county and a portion of the extreme southeast. The several terraces are separated from each other by well-defined escarpments. The several plains have suffered dissection by stream erosion in greater or lesser degree.

Geology.—Deposits of Miocene sands, clays, and shell marls underlie the entire county. These rest upon a buried surface of Cretaceous strata. In the western part of the county this surface would probably be encountered at a depth of from 100 to 200 feet, and in the extreme east at from 500 to 600 feet. Pleistocene terrace deposits consisting of sandy loams, sands, and clays which belong to the Wicomico, Chowan, and Pamlico formations, form a surficial covering over the Miocene beds.

Water Resources.—The principal part of the water supply of this county comes from open and driven wells 12 to 40 feet in depth,