

SAMPSON

Number.	Location.	Owner.	Date completed.	Elevation of surface above datum.	Datum.	Depth—feet.	Diameter—inches.	Depth to principal water supply—feet.	Height of water, ± surface—feet.
13	Clinton, 2 miles W. of	Mr. Stuart				115			—25?
14	Clinton	Johnson's Crate Factory		145±	sea level.	180			+ 0
15	Mints, 2½ miles S. W. of	M. O. Bullard		10	level of South River.	150	1¼	40-50	— 3
16	Mount Olive, 7 miles W. of.	G. A. Casey	1901			30	1½		+ 1½
17	Newton Grove, ¼ mile E. of.	R. B. Wilson	1903	155	sea level.	37	1¼	16	+ 2½
18	Newton Grove, 5 miles S. of.	H. C. Gidden and A. Sutton.	1904			65	2	47	+ 3
19	Shady Grove	Shady Grove Church	1905	3	level of Little Coharie Creek.	64	2		+ 3

SCOTLAND COUNTY.

Topography.—No topographic maps have been made of any portion of this county. Railroad elevations, supplemented by field observations, seem to indicate that the surface over the southeastern half of the county is formed of the highest and oldest Pleistocene terrace plain, the Coharie plain, at elevations of perhaps 180 to 220 feet. Over the remainder of the county the surface is made up of rolling hills, being within the sandhill belt, with elevations of perhaps 230 to 400 or 500 feet. On the Coharie and Sunderland plains the streams have made but shallow incisions.

Geology.—The entire county is underlain by beds of the Patuxent formation which consist of compact arkosic sands and light drab clays. This formation rests upon basal crystalline rocks at depths of 200 to 400 feet below the surface. Over the southeastern half of the county the Patuxent beds are overlain by a surficial covering of Pleistocene sandy clays, sands, and gravels of the Coharie formation, and over the northwestern half in the sandhill area by discontinuous patches of sandy clays, sands, and gravels of the Lafayette formation.

Water Resources.—The Lafayette and Pleistocene formations furnish the greater part of the water supply which is obtained by means of open and driven wells 10 to 30 feet in depth. A few wells have been driven to depths of from 60 to 90 feet and in these the water comes from the underlying Patuxent formation. Water from the Patuxent beds may in places contain iron salts. There are no deep drilled wells in the county. At Laurinburg, in a well at Mr. Shaw's residence, a slight flow is reported to have been obtained at a depth of 90 feet, but this appears not to have been utilized.