

ROWAN COUNTY

LABORATORY No. 51315—Salt sulfur water sent November 1, 1916, by Hon. S. M. Bradley, Morehead. Sample dark colored with considerable black sediment.

ANALYSIS—This is a salt sulfur water containing much salt and calcium chlorid, some calcium sulfate and magnesium chlorid and some sodium sulfid. The free and combined hydrogen sulfid amounts to 1.7 grains per gallon.

It would probably contain too much salt and calcium chlorid to be desirable for drinking.

SIMPSON COUNTY

Two well waters received May 22, 1916, from Farmer Kelly, County Agent, Franklin.

LABORATORY No. 50979—Labeled "Travis well." Sample colorless, with very little sediment.

ANALYSIS—One gallon contains 86.3 grains of solid matter (1.479 gram per liter) composed of calcium sulfate, calcium carbonate, magnesium carbonate and sodium chlorid, with traces of iron, silica, potassium and lithium sulfate and a very faint trace of bromid.

LABORATORY No. 50980—Labeled "Dyers well." Sample colorless, with very little sediment.

ANALYSIS—One gallon contains 157.9 grains of mineral matter (2.708 grams per liter) composed of sodium chlorid, calcium sulfate, magnesium sulfate, calcium carbonate, magnesium carbonate and a small amount of sodium sulfid. There is a distinct trace of sodium iodid and faint traces of sodium bromid, iron, silica, potassium and lithium sulfates. Hydrogen sulfid, free and combined, 3.7 grains per gallon (.063 gram per liter).

It is a sulfur water and would have the usual medicinal properties.

LABORATORY No. 51108—Mineral water sent by Farmer Kelly, County Agent, July 15, 1916, from a well 60 feet deep, bored in 1890, on Mrs. Vance Kohlepps' place on West Depot Street, Franklin. The sample contains a slight, flocculent, nearly black sediment.