

amount to that in Blue Lick water, except that there is much less hydrogen sulphide in this water.

17220—Salt water sent by E. C. Hackney, Versailles, Ky., about September 1, 1906, from a well 200 feet deep at McKee's Cross Roads,  $5\frac{1}{4}$  miles northwest of Versailles, bored in September, 1905. The well would yield 40 or 50 gallons per day.

ANALYSIS.

One gallon contains 1,024.3 grains of solid matter (17.57 grams per liter), composed of sodium chloride, calcium chloride, magnesium chloride, calcium carbonate, calcium sulphate, a little potassium chloride, sodium bromide and lithium chloride and traces of iodides, borates, iron carbonate, strontium carbonate and zinc sulphide. The sediment in the jug contained some free sulphur, showing that the water had probably contained a little hydrogen sulphide when fresh.

It is a rather strong saline water.

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