It is a weak chalybeate water containing very little solid matter for a well water.

LABORATORY No. G 3683—Water labeled "No. 2, spring, sent by Dr. J. M. Waldeck, Ezel, Morgan County, Ky." Received from J. B. Hoeing, April 30, 1915. Sample contained a very slight black, flocculent precipitate.

ANALYSIS—Analysis gave 0.185 gram mineral matter to the liter (10.8 grains per gallon) consisting largely of calcium carbonate with small quantities of the sulfates and chlorids of calcium, magnesium and sodium.

This is not properly a "mineral water."

LABORATORY No. G 3684—Water labeled "No. 3, open well," sent by Dr. J. M. Waldeck, Morgan County, Ky. Received from J. B. Hoeing, State Geologist, April 30, 1915. Sample contained a slight brown, ferruginous sediment.

ANALYSIS—	Grams per liter.	Grains per gallon.
Ferrous carbonate	Marked trace.	
Calcium carbonate, $CaCO_3$	.3540	20.64
Magnesium sulfate, anhydrous, $MgSO_4$	1.1730	68.39
Potassium sulfate, K_2SO_4	.0187	1.09
Sodium sulfate, anhydrous, Na_2SO_4	.0535	3.12
Sodium chlorid, NaCl	.0082	.48
Silica, SiO_2	.0170	.99
Lithium and strontium	traces	traces
Total	1.6244	94.71
Ignited solids	1.6330	95.20

It is a magnesium sulfate water containing a little iron and should have some medicinal value.

MUHLENBERG COUNTY.

LABORATORY No. 50709—Mineral water sent by Charles C. Martin, Central City. Sample clear and colorless. Received November 19, 1915.

ANALYSIS—One gallon contains 303.0 grains of solid matter (5.194 grams per liter) composed mainly of magnesium sulfate,