FROM THE TUSCARORA SANDSTONE TO THE BUBBLES IN YOUR BEVERAGE: NATURALLY-OCCURRING CO, IN THE INDIAN CREEK FIELD, KANAWHA COUNTY, WV



BATTELLE

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KANAWHA 3914 (PRODUCTION WELL) 2.2 Bcf; 61% CO2

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Porosity zone with framboidal Kanawha 3914 – 2.5x, plain light.



Framboidal pyrite in pore suggest bacterial degradation of organics - Kanawha 3914 – 25x, plain light.



Despite having zones of high porosity (up to 30% by visual estimate) and evidence of hydrocarbon degradation (framboidal pyrite), the Kanawha 2751 well did not produce either methane or CO2, and was plugged and abandoned.



a. Some of the porosity (filled with blue epoxy) in this core is associated with finer grains that appear to be "sheltered" beneath larger grains. – Kanawha 2751; 6788.5 ft. – 2.5x – plain light.



CONTRACT DE-FE0026585

KANAWHA 2751 (DRY HOLE)



b. Large pores (filled with blue epoxy) correspond to high porosity in the Tuscarora. Kanawha 2751; 6809 ft. – 2.5x, plain light.



c. Framboidal pyrite suggests bacterial degradation of organic matter. Kanawha 2751; 6817 ft. – 25x, plain light.