

Subject: : Conservation

Topic: : Shale Drilling question

Re: Shale Drilling question

Author: : PAgeologist

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URL:

I agree that PVC and HDPE are not feasible on gas wells. I install wells for monitoring mine pool elevations or pumping wells for treatment. Steel doesn't last long in that environment.

Mine water is not acidic due to oxygen. The majority of abandoned coal mines that are completely flooded are anaerobic environments. The acidity comes from water dissolving the various minerals found in the roof and floor of the mine, in particular the underclay and if the roof rock is a black shale.

I agree that if a well (gas, water, or any other) is constructed properly there should be no communication between the bedrock zone that is targeted and any aquifer above the targeted zone.

Also, the cement used for drilling is designed to flow into any bedrock fractures, further sealing the cased aquifer from communication with other aquifers/surface water.