Geochemistry of water in the Fort Union formation of the Northern Powder River Basin, southeastern Montana

s.n - Stable isotope geochemistry of coal bed and shale gas and related production waters: A review



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Selenium mobilization in a surface coal mine, Powder River Basin, Wyoming, U.S.A.

Geological Survey Digital Data Series DDS-69D, chap.

Factors affecting the geochemistry of a thick, subbituminous coal bed in the Powder River Basin: volcanic, detrital, and peat

Others include sandstone pinch-outs in the reservoirs of the Frontier Formation, Mesaverde Group, and Muddy Sandstone, as well as vertical and lateral cementation variations in Tensleep Sandstone reservoirs. Trace fossils are common within the upper part of the Main Body Member. Data from scanning electron and optical microscope analyses indicate that several factors influenced the geochemistry of the Anderson-Dietz 1 coal bed.

Geology and water

Mineral mining and processing remains a small use for electricity in Montana, while the industrial load centers have shifted or closed operations. The basin contains the first oil well drilled in Wyoming Mike Murphy 1 and the first logged well in Wyoming Atlantic Richfield Company Muskrat 2C, September 1936.

Selenium mobilization in a surface coal mine, Powder River Basin, Wyoming, U.S.A.

The Medicine Bow Mountains and Rawlins Uplift occurred during the late Paleocene. These members consist of infrequent lenses of fluvial-channel sandstones interbedded within thick units of variegated red, orange, purple and gray overbank and paleosol mudstones. Shallow water in the coal-bearing Paleocene Fort Union Formation of southeastern Montana was investigated to provide a better understanding of its geochemistry.

Chemical and stable isotopic evidence for water/rock interaction and biogenic origin of coalbed methane, Fort Union Formation,

Powder River Basin, Wyoming and Montana U.S.A.

Because coal is a solid, it cannot be produced from many scattered wells as oil and gas can be. The Bonneville Power Administration was formed during this era and remains a major influence, mostly west of the Continental Divide.

Stable isotope geochemistry of coal bed and shale gas and related production waters: A review

In Montana, the formation overlies the Fort Union Formation and is overlain by the. The analysis concluded that the Wasatch sandstone is a first cycle sediment, the Archean core of the Bighorn uplift was exposed and shedding sediment into the Powder River Basin during time of deposition of the Wasatch Formation and the Powder River Basin Wasatch detrital zircon age spectra are distinct from the coeval in the west of the Bighorn Mountains. The Clarkforkian Land-Mammal Age and Mammalian Faunal Composition Across the Paleocene-Eocene Boundary.

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