

Field Trip #1: Niobrara Formation, northern Colorado Front Range: an outcrop analog for shale gas resource plays throughout the US

Date:Saturday, July 12, 2008

Instructor:Edmund R. “Gus” Gustason, El Paso E&P
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Departure/Return:Depart 8:00 a.m. Denver and return to Denver at 7:00pm

Fee:\$125 (includes transportation, lunches, and field guidebook)

Limit:28 persons

Sponsors: Rocky Mountain Association of Geologists

The Niobrara Formation is a world-class fine-grained source rock in the Denver-Julesburg Basin and other Rocky Mountain basins. The Niobrara also produces biogenic gas in northeastern Colorado, thermogenic gas from Wattenberg Gas Field, and oil and gas from fractures in Loveland, Berthoud and Silo Fields. The Niobrara is emerging as a significant shale gas resource play in Wattenberg Gas Field. This field trip will visit two excellent exposures of the Niobrara Formation, at Six Mile Fold and the Portland Cement Quarry, where participants can observe many of the key parameters necessary for a successful shale gas resource play.



Photo from the Portland Cement Quarry near Lyons, CO