

## Coalbed Methane Horizontal Drilling Case Study - Weir-Pittsburg Coal Seam, Osage County, Oklahoma.

*Paul Bruce, Amvest Osage; and John F. Sinclair, Amvest Gas Resources*

AMVEST Osage has drilled one horizontal CBM well (well #277) in the Weir-Pittsburg Coal Seam as of April 1, 2004. AMVEST drilled the well as a single lateral slightly up dip. The total length of the lateral is 1100 feet and of this total length, 600 feet of coal was penetrated. The thickness of the coal was 36 inches and by the end of the lateral the coal had split into two benches. One of the benches was 20 inches and the other was 18 inches.

AMVEST drilled this well to access gas reserves that were inaccessible from a vertical well bore. The results have been favorable, but the total production in this well does not exceed the production rates of offset vertical wells.