Progress in Reedbed Technology Research in Oman. (C03esechie081526-Oral)

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Abstract:

A salient feature of oil production in Oman is that the output of water far exceeeds that of oil in most wells. In 1999, a total of 450,000 m3/day of water was produced, compared to oil output of 135,000 m3/day. The volume of water is predicted to increase steadily to 900,000 m3/day by the year 2009. Water disposal by the deep water disposal (DWD) method is expensive. In 1998, a new technology to the oilfield industry, termed reedbed technology, was identified as an attractive method for the clean up of produced water. The technology is essentially a bioremediation process, which promotes degradation of hydrocarbons and sorption of heavy metals while consuming some of the produced water. This paper dicusses progress that has been made in reedbed technology research in Oman up to date and its impact on agriculture.

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