

Marcellus Hydrofracture Wastewater Disposal by **Treatment and Recycle**



Marcellus Drill Rig

Hydrofracture of a Marcellus gas well will commonly produce from 200,000 to 1,000,000 gallons of contaminated flowback water that must be properly managed. With the new PADEP goal of zero discharge, this means chemical treatment followed by either recycle or evaporation.

Given the costs for proper disposal of flowback water and the difficulty in obtaining hydrofracture makeup water, treatment of the flowback for recycle as hydrofracture makeup water makes good economic sense.

ProChemTech has developed a sequential precipitation process (SPP) that removes the toxic barium from the flowback water followed by removal of all scale forming minerals to levels suitable for recycle as hydrofracture water with addition of makeup water. This multi-step process utilizes the firm's proprietary inclined plate clarifiers to make complete technology-equipment packages as follows.

- Process and equipment packages for retrofit, mobile, or customer constructed systems.
- Design-build systems delivered on a turn key basis with contract operation as an option.

Give us a call today to discuss providing a flowback water treatment and recycle system to solve your wastewater and water problems.

ProChemTech International, Inc.

“Innovation in Water Management”

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125 gpm Clarifier

