SSBrom tm the Green Bio Control for Hydrofracture Water

Toxic biocide chemicals are used to control the growth of formation plugging microorganisms during Marcellus hydrofracture procedures. These products can contaminate aquifers and surface waters and are a toxic spill danger from transport, storage, and use.

SSBrom technology is the only effective microorganism control technology that eliminates use of all toxic chemicals.

ProChemTech developed the **SSBrom** as a safe, cost effective means for making aqueous electrolytic bromine from the bromide ions found within the hydrofracture water to control microorganisms. **S**hown in the picture is a frame mounted **SSBrom** power supply and patent pending graphite electrolytic cell assembly that makes up a basic **SSBrom.** The only limitation on the technology is that a recycle hydrofracture water program with a minimum conductivity of 4000 mmhos be in use.

Green Advantages

- Electrolytic bromine degrades back to harmless bromide ion, no toxic chemical residue in the flowback water.
- Electrolytic bromine is produced within a sidestream of the hydrofracture water during use, no risk of accidental spills of any chemicals during transport, in inventory, or during use.
- USEPA registered, SSBrom units are produced in USEPA registered facilities, USEPA #58616-PA-1 and 58616-AZ-1.
- **SSBrom** halogen chemistry is effective against all microorganisms.
- **No toxic chemical feeds required!**

ProChemTech International, Inc.

"Innovation in Water Management"

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