

SOLUTION MINING RESEARCH INSTITUTE

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MEETING
PAPER



OXYGEN ACTIVATION
QUANTITATIVE MONITORING OF WATER FLOW BEHIND CASING

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OXYGEN ACTIVATION -
QUANTITATIVE MONITORING OF WATER FLOW BEHIND CASING

Introduction:

The safe disposal of toxic wastes and oil field brine pose perplexing and costly problems to industry and society. It is commonly believed that the best method would be injection of noxious solutions and brines into deep wells if methods were available to assure that all injected materials ended up where it was intended, and there were no leaks or channels whereby aquifers or near-surface formations were contaminated.

Presently there are several techniques which can sometimes show that there are leaks or potential trouble zones: CBL, Tracerlog, Vertilog, and pressure testing. But there was no survey which a well owner could apply that might be acceptable as proof that his well meets the regulatory requirements.

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