

# SOLUTION MINING RESEARCH INSTITUTE

812 MURIEL STREET  
WOODSTOCK, ILLINOIS 60098  
815-338-8579

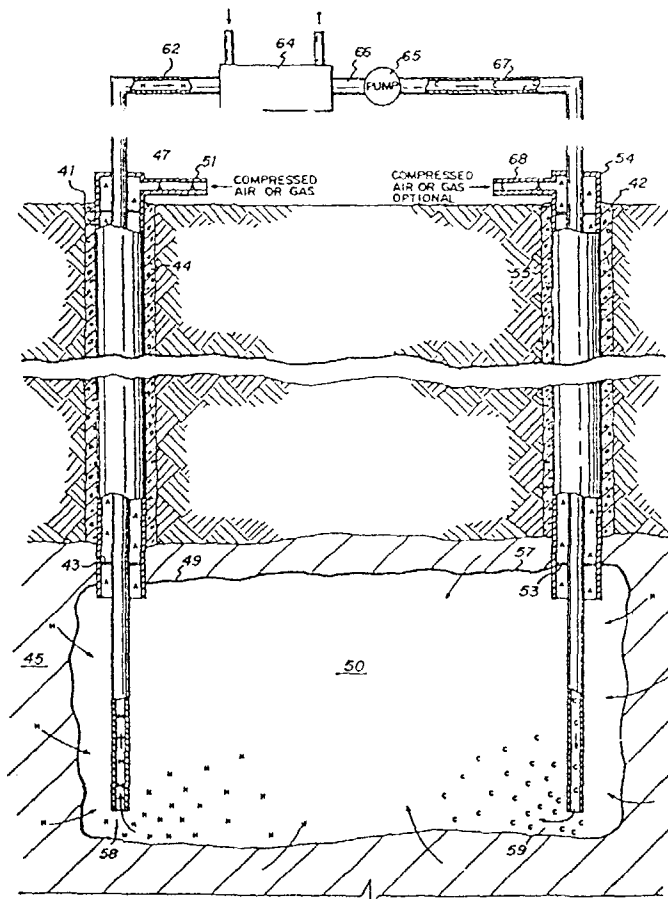
MEETING  
PAPER



IBM 966 K 5745

## Solution Mining Hot Salt

Russ Hickerson  
Brooks Hickerson



M955

May 1995

## SOLUTION MINING RESEARCH INSTITUTE

### SOLUTION MINING HOT SALT

Russ Hickerson Permian Brine Sales, Inc. Odessa, Texas  
Brooks Hickerson Energy Consultants Austin, Texas

#### *ABSTRACT*

*Many salt domes and deep bedded salt formations are hot enough to aid the production of salt from brine that is solution mined from these deposits. To produce hot brine for salt production, deep wells must be drilled and properly completed. Insulating gas blankets between tubing and casing strings will allow the brine to retain it's bottom hole temperature while being circulated to the surface. The naturally hot brine can then be used to reduce the cost of vacuum pan operations, save energy, and increase production from solar salt evaporation ponds. In effect, the brine wells themselves become geothermal energy sources. Deep wells, from seven to twelve thousand feet, can be reliably drilled and operated with today's technology.*

©2023 - Solution Mining Research Institute  
Full Paper is Available in the SMRI  
Library ([www.solutionmining.org](http://www.solutionmining.org))