

SURVEY OF CAVERNS IN SALT DOMES OF THE U.S.

R. L. Thoms and R. M. Gehle
Applied Geomechanics, Inc.
Baton Rouge, Louisiana

1. Introduction.

This is an extended abstract of a report to the Solution Mining Research Institute (SMRI). The complete report, now under review, contains details of a survey and study of certain aspects of the technology associated with storage caverns in salt domes of the United States (U.S.). The objectives of this work were: (1) gather technical data on storage caverns in salt domes of the U.S., and (2) analyze the data and present the resultant findings as a report of the SMRI.

The information contained in the report hopefully will be of benefit generally to the geostorage industry utilizing salt formations. In particular, the "hands-on" experience of cavern operators are reflected in the data collected for the survey, and this should be useful information for designers of future caverns in salt domes, both in the U.S. and in other countries.