

# SOLUTION MINING RESEARCH INSTITUTE

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MEETING  
PAPER



PART II  
STATUS OF McINTOSH ALABAMA  
100 MW  
CAES PROJECT

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to

GEOMIN, INC.

For

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## ABSTRACT

Subsequent to Mr. Ben Mehta's status review of the McIntosh CAES project, Medley will briefly discuss the two test wells. The discussion will center around the following eight figures:

Figure 1 is an adaptation of an Olin map showing the AEC lease, the test well locations, the locations of Olin's wells, and an approximate outline of the dome's perimeter.

Figure 2 depicts the features of Test Well #1 and shows the sylvinite and carnalite zones that were encountered.

Figure 3 is adapted from a Schlumberger Proximity Survey report to show the distance from the dome flank to Test Well #1.

Figure 4 depicts a directional survey of Test Well #1.

Figure 5 is the Litho Density - Compensated Neutron log from Test Well #1. This log was very useful in defining the sylvinite and carnalite zones.

Figure 6 depicts the features of Test Well #2. Blind drilling procedures were used to advance the original hole to 588'. Deteriorating hole conditions required placement of 21 cement plugs in the caprock before drilling could be resumed. The original hole was sidetracked during the repeated plugging and drilling process.

Figure 7 depicts a directional survey of Test Well #2. Note that the scale is different from that used in figure 4.

Figure 8 is the Litho Density - Compensated Neutron log from Test Well #2. The log depicts excellent salt but shows significant bore hole enlargement. The enlargement is believed to result from brittle failure rather than dissolution.