

Solution Mining Research Institute Spring 2013 Technical Conference

Lafayette, Louisiana, USA 22 - 23 April, 2013

**ENCOUNTERING A GAS BUBBLE AND HIGH LEVEL OF
H₂S DURING LEACHING-
IMPLEMENTATION OF A REMEDIATION METHOD
AT MONT BELVIEU, TEXAS**

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Abstract:

The purpose of this paper is not only to present a recent experience encountering methane gas bubbles and H₂S gas exposures during a startup on a new storage cavern development at Mont Belvieu, but also provide the information on how to resolve the hazardous conditions with proven techniques to mitigate a high level of safety hazard for leaching operators and contractors.

It consists of a brief summary of a leaching process at Lone Star NGL Well NT-16, encountering a failure of a hanging string in the well due to a gas bubble. In addition, also encountering a high level of H₂S and developing a remediation plan in order to resume leaching of a new cavern in conjunction with its timeline schedule for the development of a new 3.2 million barrels storage cavern and infrastructures of Lone Star NGL.

This study is focused on how to identify the various potential problems during leaching and resolve a crisis of each problem in the most cost effective manner. With understanding of this study, every storage operator will have a lesson to be learned from these experiences and how to manage it with a confidence when they encounter a similar situation or a complex problem in the future.

Key words: Gas Bubble, H₂S, NGL, leaching and timeline.