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**SECURITY, ECONOMY & CAPACITY- A SALT CAVERN BASED LNG RECEIVING TERMINAL**

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**Abstract**

The purpose of this paper is to present preliminary results of seminal research involving the use of salt caverns in the receipt of sea borne Liquefied Natural Gas (LNG). The research is conducted under a cooperative agreement with the National Energy technology Laboratory of the United States Department of Energy. Salt caverns provide an integral link in the logistical requirements of the natural gas, natural gas liquids, petrochemical and refining industries in the U.S. This paper describes how salt cavern application in the importation of LNG can improve the security and economy of LNG receiving facilities and at the same time provide enormous scale that characterizes all aspects of U.S. energy supply and demand.

Key words: Caverns for Gas Storage, Computer Modeling, Louisiana