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CHALLENGES ENCOUNTERED WITH NON-HALITE MINERALS WHEN DEVELOPING CAVERNS FOR NATURAL GAS STORAGE

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Abstract

Over the past 50 years, TransGas has mined twenty-five (25) salt caverns at various locations in Saskatchewan for the purpose of natural gas storage. At several of these locations, non-halite minerals are present in significant quantities in the evaporite section. This is a discussion of the challenges that were encountered, and what was done to overcome them, during the well drilling and cavern mining at three selected sites.

Key words: Caverns for Gas Storage, Anhydrite, Bedded Salt Deposits, Saskatchewan, Canada, Evaporites, Potassium Minerals

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