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MEETING
PAPER



BRINE RESERVOIRS for LPG STORAGE SERVICE

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"BRINE RESERVOIRS FOR LPG STORAGE SERVICE"

I. ABSTRACT

This paper presents a discussion on design guidelines and construction of brine reservoirs for LPG storage service.

Diamond Shamrock currently has a reservoir installation at the Barber's Hill Brine Field in Mont Belvieu, Texas. Our discussion will focus on this installation, Diamond's newest and largest. The reservoir, constructed in 1975, covers an area of 18.6 acres and has an average depth of 18.25 feet. Brine storage capacity is 2.5 million barrels.

We discuss factors involved in selecting a reservoir site. Construction and contracts are discussed, stressing the importance of contractor coordination for field construction. A section is included providing design guidelines for reservoir accessories. Finally, a project cost summary is presented.

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