

SUCCESSFUL INJECTION WATER MANAGEMENT

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ABSTRACT

The purpose of this paper is to compare the level of operational success of two brine injection operations. Both sites have injected into the same zones located in Miocene sands in south Louisiana. Bottom hole locations were approximately 2,500 feet apart. One site increased its injection capability by over 300% while the other had no increase. 18 years of experience with these injection operations demonstrated the strong need for personnel training, proper maintenance programs, daily monitoring of operational parameters, and detailed review of the injection data on a regular basis. This paper explains the type of downhole completions, surface treatment system, and maintenance schedule that were developed over that 18 year time frame.

Keywords: *Brine injection, injection operations, underground reservoirs.*