

ALABAMA STATE OIL AND GAS BOARD
GOVERNING THE UNDERGROUND STORAGE OF GAS IN
SOLUTION-MINED CAVITIES
ADMINISTRATIVE CODE

CHAPTER 400-6-5
UNDERGROUND STORAGE OPERATING PRESSURES

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400-6-5-.01 Maximum And Minimum Operating Pressures

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(1) The maximum allowable operating pressure applied to the production casing shoe shall not exceed eighty-five (85) pounds per square inch (psi) per one hundred (100) feet (ft) in depth or 0.85 psi/ft. Appropriate safety devices shall be installed and maintained to prohibit exceeding the maximum allowable operating pressure.

(2) The minimum storage cavity pressure shall not decline below the minimum value that would be required to

(a) prevent excessive storage cavity closure caused by plastic flow or formation subsidence, or

(b) prevent over-stressing the vertical walls caused by adjacent cavity pressure. Such minimum value and the amount of cushion gas needed to maintain this minimum value shall be determined by the storage operator and provided to the Supervisor prior to gas injection.

(3) The maximum pressure release rate during storage cavity depressurization shall in no event exceed the value calculated for the storage cavity that would be required to prevent roof collapse or side-wall slabbing. This value shall be determined by the storage operator and provided to the Supervisor prior to gas injection.

Author: State Oil And Gas Board

Statutory Authority: Code of Ala. 1975, §§9-17-1 et seq.

History: New Rule: Filed April 11, 2000; effective May 16, 2000.