

Flying "M" Unit Tract 13 #6

- VII. Proposed Operation.
1. We anticipate the average injection rate and pressure to be 350 BWPD at 1800 psi. Anticipated maximum rate and pressure would be 700 BWPD at 2100 psi.
  2. This is a closed system.
  3. The fluid to be injected is predominantly water produced in the unit. If additional injection volume is needed, fresh water is utilized from a well approximately 5 miles south of the Flying "M" (SA) Unit. This system has been in use for over 20 years.
- VIII. The recommended injection zone in the subject well occurs in the San Andres dolomite formation from 4401' to 4466'. This zone is approximately 250' below the top of the San Andres formation which was encountered at 4154'.
- The lithologic description of the injection zone in the Flying "M" Field consist of a dense to porous dolomite with occasional vertical fracturing. The porosity is vugular to intercrystalline. The interval from 4440' to 4466' has been the main producing interval in the Flying "M" Field since it was discovered. Geologically, it is known as the Slaughter producing zone of the San Andres.
- The geologic name and depth to underground source of drinking water is the Ogallala formation which occurs from 0'-400' in this area.
- IX. A small volume matrix acid stimulation may be performed on the well. This stimulation will consist of 1500-3000 gallons of 15% HCl.
- X. The Coastal Oil and Gas Flying "M" (SA) Unit Tract 13 #6 was logged on December 1, 1985. I assume logs were sent to the State at that time.
- XI. There are no fresh water wells within one mile of this proposed injection well.
- XIII. My interpretation of Division Order No. R-3229 pertaining to the Flying "M" (SA) Pressure Maintenance Project is that the proof of publication for administrative approval is not required for a conversion within the unit. If this is not the case, please advise.
- All wells within one-half mile of the proposed conversion are within the Flying "M" Unit, operated by Coastal Oil and Gas Corporation.