

**FORM C-108 APPLICATION
GREAT WESTERN DRILLING COMPANY
SOUTH CARTER SAN ANDRES WATERFLOOD PROJECT**

- VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geological name, thickness and depth.

The Carter, South (San Andres) field produces from porous dolomite in the San Andres formation at depths ranging from 5000' to 5250'. The San Andres dolomite in the the field varies in thickness from 600' to 770'. The productive interval occurs approximately 250' from the top of the San Andres (refer to type log) where the dolomite is cleaner with less interruptions from deeper water mudstones or shelfal anhydrite.

Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

The only known drinking water source overlying the proposed injection interval is the Ogallala, which occurs at an approximate depth of 125'-140'. There are no such drinking water sources underlying the injection interval.

- IX. Describe the proposed stimulation program, if any.

Any stimulation performed will involve either a cleanup acid job or acid-stimulating new perfs or open-hole pay. In either case, the acid jobs would include using 15% NEFEHCL at 50-75 gallons per net foot of pay, utilizing ball sealers and/or rock salt for diversion. The jobs will be pumped at relatively low rates of 2-3 BPM.