

ITEM I - IV

On Form

ITEM V

Map 1

ITEM VI

Only the subject well Santa Fe Barbs #1 is in area of review. Data on this well is indicated in part III except well was spudded 10-14-78.

ITEM VII

1. Average injection rate 10,000 Bbl/D maximum rate 12,000 Bbl/D.
2. The system is open.
3. Average injection pressure is 750 psia maximum injection pressure 1000 psia.
4. Attached is water analysis of Leggs #1. The disposal zone has a water salinity of 1600 ppm the water to be disposed has a salinity of 8670 ppm. Both classify as drinking water source.
5. We determine water quality of Gallup zone by log interpretation. The logs on the Barbs No. 1 well indicates a good Gallup sand development field. Density porosity is 18-20% and the deep induction resistivity is 25-30 ohm m²/m for the interval 3316-3334'. The SP curve is reversing in this interval.