

North Indian Basin Federal "C" Well No. 1
Proposed Injection Well
Attachments to C-108
(Part VII)

Proposed Operations - continued

5. ***If injection is for disposal purpose into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.)***

Marathon Oil Company ran a DST test on North Indian Basin Well No. 1 (Section 9, T-21-S, R-23-E, Eddy County New Mexico) in 1963. The DST tested the interval 10,009 ft to 10,100 ft. Based on the DST, the following analysis was reported:

| | | |
|--------------------------------|--------|---------|
| Specific Gravity | 1.109 | |
| pH | 6.8 | |
| Resistivity | .285 | @ 94° F |
| Chlorides (Cl) | 11,000 | |
| Sulfates (SO ₄) | 1500 | |
| Alkalinity (HCO ₃) | 610 | |
| Calcium (Ca) | 1080 | |
| Magnesium (Mg) | 775 | |
| Iron (Fe) | 20 | |
| Sodium (Na) | 5359 | |
| Sulfides (H ₂ S) | negl. | |