

## API WATER ANALYSIS REPORT

COMPANY: SDX RESOURCES                      DATE :                      October 12                      1995  
 LEASE AND WELL : Featherstone Fed                      LAB NO. :                      H095613  
 COUNTY, STATE : Eddy, NM                      DATE SAMPLED :                      October 12, 1995  
 FORMATION :                      SAMPLE POINT :                      LOCATION  
 TEMPERATURE (BHT) :                      degrees F                      SUBMITTED BY :                      Northcutt

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Specific Gravity =                      1.055                      @                      77 degrees F                      pH =                      7.0

### Anions

|              |        |      | Sample |         |        |         | Ionic Strength |        |
|--------------|--------|------|--------|---------|--------|---------|----------------|--------|
|              | Factor | ml   | mg/l   | mg/l    | Factor | me/l    | (mg/l)         | (me/l) |
| Chlorides    | 3545   | 14.5 | 1      | 51402.3 | 0.0282 | 1449.55 | 0.7196         | 0.7248 |
| Sulfates     |        | 0    | 1      | 3500.0  | 0.0208 | 72.80   | 0.0735         | 0.0726 |
| Carbonates   | 60     | 0.0  | 0      |         | 0.3333 | 0.00    | 0.0000         | 0.0000 |
| Bicarbonates | 1000   | 8.2  | 10     | 820.0   | 0.0164 | 13.45   | 0.0066         | 0.0067 |
| Hydroxide    | 279    |      |        | 0.0     | 0.0589 | 0.00    |                |        |

### Cations

|                          |        |     | Sample |         |        |         | Ionic Strength |        |
|--------------------------|--------|-----|--------|---------|--------|---------|----------------|--------|
|                          | Factor | ml  | mg/l   | mg/l    | Factor | me/l    | (mg/l)         | (me/l) |
| Barium                   |        |     |        | 0.0     | 0.0148 | 0.00    |                |        |
| Calcium                  | 401    | 4.6 | 1      | 1844.6  | 0.0499 | 92.05   | 0.0922         | 0.0920 |
| Magnesium                | 243    | 6.1 | 1      | 1482.3  | 0.0823 | 121.99  | 0.1215         | 0.1220 |
| Iron                     |        | 0   |        | 0.0     | 0.0537 | 0.00    |                |        |
| Sodium                   |        |     |        | 30385.3 | 0.0435 | 1321.76 | 0.6685         | 0.6609 |
| Total Dissolved Solids = |        |     |        | 69435   |        | 3072    |                |        |
| Total Ionic Strength =   |        |     |        |         |        | 1.6619  |                | 1.6792 |

Tested By: Greg Daniel