ILLEGIBLE

Roswell Test Facility

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Sample Source TRANS Pecos Resources Inc

Lab No. 1-13-265-83

C-4-9N-23E

Contractor Roswell City Water

Date Sampled See Each Sample

Copies To: Mr. Charlie Sparnon

Date Received 9-22-83

MR Jack Gawron

Date Reported 9-30-83

PO Box 328 Santa Rosa, N.M. 88435

Pho 505-472-5212

| Sample | Latigo Ranch #C-1 9-02-83 Flowline | | Latigo Ranch #C-1 9-08-83-1325 Flowline | | | |
|---|---|---|---|---|---|---|
| | Mg/Liter | Meq/Liter | Mg/Liter | Meq/Liter | Mg/Liter | Meq/Liter |
| Sodium (Na) | 35000 | 1522.40 | 35200 | 1531.10 | | |
| Potassium (K) | 2350 | 60.10 | 2150 | 54.99 | | |
| Calcium (Ca) | 21253 | 1060.53 | 21514 | 1088.30 | | |
| Magnesium (Mg) | 2433 | 200.08 | 2724 | 224.01 | | |
| Chloride (Cl) | 99260 | 2800.00 | 101387 | 2860.00 | | |
| Sulfate ($SO_4$) | 14 | 0.29 | < 1 | — | | |
| Bicarbonate ($HCO_3$) | 28 | 0.46 | 50 | 0.82 | | |
| Carbonate ($CO_3$) | | | | | | |
| Total (Fe) | 122.50 | | 112.50 | | | |
| Silica ($SiO_2$) | | | | | | |
| Solids, Calc. | | | | | | |
| Solids, Evap. | 197060 | | 203600 | | | |
| | 5.20 | | 5.38 | | | |
| Selectivity (25°C) | | | | | | |
| Specific Gravity | | | | | | |
| Total Hardness ($CaCO_3$) | 63,000 | | 65600 | | | |
| Alkalinity ($CaCO_3$) | | | | | | |
| Alkalinity ($CaCO_3$) | | | | | | |
| Carbon Dioxide ($CO_2$) | | | | | | |
| Dissolved Oxygen ($O_2$) | | | | | | |
| Chlorine Total ($Cl_2$) | | | | | | |
| Chlorine Free ($Cl_2$) | | | | | | |
| Manganese (Mn) | | | | | | |
| Copper (Cu) | | | | | | |
| Zinc (Zn) | | | | | | |
| Phosphate Total ($PO_4$) | | | | | | |
| Phosphate Ortho ($PO_4$) | | | | | | |
| Nitrate ($NO_3$) | | | | | | |
| Resistivity (Rw) | 0.414 | | 0.418 | | | |
| | | | | | Latigo Ranch C1 Tot | |

Remarks:

Sterling Isaacs

Roswell City Chemist