

# Nutro Products Corporation

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## WATER ANALYSIS

Date 04/11/95 Nutro Rep TERRY SOLANSKY

Code W-1985

Sampling Point

State TEXAS

Company POGO PRODUCING

County EDDY N.M.

Field

Lease COVINGTON A FED. Well 25

## DISSOLVED SOLIDS

| <u>CATIONS</u>                     | mg/l   | me/l  |
|------------------------------------|--------|-------|
| Sodium, Na <sup>+</sup> (Calc.)    | 63,319 | 2,753 |
| Total Hardness as Ca <sup>++</sup> | 1,760  | 0     |
| Calcium, Ca <sup>++</sup>          | 640    | 32    |
| Magnesium, Mg <sup>++</sup>        | 683    | 57    |
| Barium, Ba <sup>++</sup>           | 0      | 0     |
| Iron (Total) Fe <sup>+++</sup>     | 117    | 6     |

## ANIONS

|                                            |         |       |
|--------------------------------------------|---------|-------|
| Chlorides, Cl <sup>-</sup>                 | 99,000  | 2,789 |
| Sulfate, SO <sub>4</sub> <sup>-</sup>      | 750     | 16    |
| Carbonate, CO <sub>3</sub> <sup>-</sup>    | 0       | 0     |
| Bicarbonate, HCO <sub>3</sub> <sup>-</sup> | 2,635   | 43    |
| Sulfide, S <sup>-</sup>                    | 0       | 0     |
| Total Dissolved Solids (Calc.)             | 167,144 |       |

## OTHER PROPERTIES

|                            |       |
|----------------------------|-------|
| pH <sup>*</sup>            | 6.600 |
| Specific Gravity, 60°/60 F | 1.110 |
| TURBIDITY                  | >500  |

Remarks SAMPLE TAKEN ON 04/06/95

## SCALING INDICIES

| <u>TEMP, F</u> | <u>CA CO<sub>3</sub></u> | <u>CASO<sub>4</sub>*2H<sub>2</sub>O</u> | <u>CA SO<sub>4</sub></u> | <u>BA SO<sub>4</sub></u> |
|----------------|--------------------------|-----------------------------------------|--------------------------|--------------------------|
| 80             | 0.3653                   | -1.3578                                 | -1.6005                  | -29.2922                 |
| 120            | 0.7307                   | -1.3696                                 | -1.4319                  | -29.4926                 |
| 160            | 1.2948                   | -1.3884                                 | -1.2781                  | -29.7219                 |