

# Nutro Products Corporation

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## WATER ANALYSIS

Date 03/29/95 Nutro Rep TERRY SOLANSKY

Code W-1838

Sampling Point WELL HEAD

State TEXAS

Company POGO PRODUCING

County EDDY N.M.

Field

Lease RT 26 FEDERAL

Well 2

## DISSOLVED SOLIDS

| <u>CATIONS</u>                     | mg/l   | me/l  |
|------------------------------------|--------|-------|
| Sodium, Na <sup>+</sup> (Calc.)    | 90,137 | 3,919 |
| Total Hardness as Ca <sup>++</sup> | 14,560 | 0     |
| Calcium, Ca <sup>++</sup>          | 10,480 | 524   |
| Magnesium, Mg <sup>++</sup>        | 2,488  | 207   |
| Barium, Ba <sup>++</sup>           | 0      | 0     |
| Iron (Total) Fe <sup>+++</sup>     | 55     | 3     |

## ANIONS

|                                            |         |       |
|--------------------------------------------|---------|-------|
| Chlorides, Cl <sup>-</sup>                 | 165,000 | 4,648 |
| Sulfate, SO <sub>4</sub> <sup>-</sup>      | 125     | 3     |
| Carbonate, CO <sub>3</sub> <sup>-</sup>    | 0       | 0     |
| Bicarbonate, HCO <sub>3</sub> <sup>-</sup> | 146     | 2     |
| Sulfide, S <sup>-</sup>                    | 0       | 0     |
| Total Dissolved Solids (Calc.)             | 268,431 |       |

## OTHER PROPERTIES

|                            |       |
|----------------------------|-------|
| pH*                        | 5.500 |
| Specific Gravity, 60°/60 F | 1.169 |
| TURBIDITY                  | >500  |

Remarks SAMPLE TAKEN ON 03/23/95

## 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             | 0.2482                   | -0.8073                                 | -1.1547                  | -29.4733                 |
| 120            | 0.7700                   | -0.8215                                 | -0.9884                  | -29.6181                 |
| 160            | 1.5605                   | -0.8429                                 | -0.8372                  | -29.8291                 |