

# Nutro Products Corporation

P.O. Box 21187 Houston, Texas 77228  
Phone (713) 675-3421 \* Fax (713) 675-7646

## WATER ANALYSIS

Date 04/15/94 Nutro Rep TERRY SOLANSKY

Sampling Point WELL HEAD

Company POGO PRODUCING

Field AMAX

Lease 24

Code W-1015

State TEXAS

County EDDY

Well 1

## DISSOLVED SOLIDS

| CATIONS                            | mg/l   | me/l  |
|------------------------------------|--------|-------|
| Sodium, Na <sup>+</sup> (Calc.)    | 95,013 | 4,131 |
| Total Hardness as Ca <sup>++</sup> | 46,800 | 0     |
| Calcium, Ca <sup>++</sup>          | 32,000 | 1,600 |
| Magnesium, Mg <sup>++</sup>        | 9,024  | 752   |
| Barium, Ba <sup>++</sup>           | 6      | 0     |
| Iron (Total) Fe <sup>+++</sup>     | 30     | 2     |

## ANIONS

|                                            |         |       |
|--------------------------------------------|---------|-------|
| Chlorides, Cl <sup>-</sup>                 | 230,000 | 6,479 |
| Sulfate, SO <sub>4</sub> <sup>-</sup>      | 200     | 4     |
| Carbonate, CO <sub>3</sub> <sup>-</sup>    | 0       | 0     |
| Bicarbonate, HCO <sub>3</sub> <sup>-</sup> | 98      | 2     |
| Sulfide, S <sup>-</sup>                    | 0       | 0     |
| Total Dissolved Solids (Calc.)             | 366,371 |       |

## OTHER PROPERTIES

|                            |       |
|----------------------------|-------|
| pH <sup>*</sup>            | 5.700 |
| Specific Gravity, 60°/60 F | 1.194 |
| TURBIDITY                  | 80    |

Remarks SAMPLE TAKEN ON 04/12/94

## SCALING INDICIES

| TEMP, F | CA CO <sub>3</sub> | CASO <sub>4</sub> *2H <sub>2</sub> O | CA SO <sub>4</sub> | BA SO <sub>4</sub> |
|---------|--------------------|--------------------------------------|--------------------|--------------------|
| 80      | 2.5027             | 0.3078                               | -0.2196            | 0.3195             |
| 120     | 3.3393             | 0.3062                               | -0.0407            | 0.2545             |
| 160     | 4.5957             | 0.3529                               | 0.1886             | 0.0824             |