

Nutro Products Corporation

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WATER ANALYSIS

Date 05/17/94 Nutro Rep BRAD CHILDERS

Code W-1299

Sampling Point WELL HEAD

State TEXAS

Company PERMIAN RESOURCES

County

Field

Lease CARLSON B

Well 27-2

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na ⁺ (Calc.)	14,490	630
Total Hardness as Ca ⁺⁺	2,240	0
Calcium, Ca ⁺⁺	1,120	56
Magnesium, Mg ⁺⁺	683	57
Barium, Ba ⁺⁺	8	0
Iron (Total) Fe ⁺⁺⁺	1	0

ANIONS

Chlorides, Cl ⁻	19,000	535
Sulfate, SO ₄ ⁻	3,750	78
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	1,562	26
Sulfide, S ⁻	1,664	104
Total Dissolved Solids (Calc.)	42,278	

OTHER PROPERTIES

pH [*]	8.300
Specific Gravity, 60°/60 F	1.016
TURBIDITY	80

Remarks SAMPLE TAKEN ON 05/13/94

SCALING INDICIES

TEMP, F	CA CO ₃	CASO ₄ *2H ₂ O	CA SO ₄	BA SO ₄
80	1.8493	-0.1504	-0.3147	2.4722
120	2.1440	-0.1543	-0.1382	2.2380
160	2.5806	-0.1346	0.0642	2.0318

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