

T. 28 NSC-166 Sec. 36



REPORT OF WATER ANALYSIS

Company JOHN T. DAVIS
Altoona, KS

Date 2-27-84
Analysis No.
Sampling Date 2-16-84
Date Sample Rec'd.

Sample Marked Umbarger K9 - wellhead

DISSOLVED SOLIDS

Cations	mg/l	meq/l
Sodium, Na (Calc.)	11,293	491
Calcium, Ca	3,200	160
Magnesium, Mg	1,944	160
Barium, Ba	0	0

RESULTS AS COMPOUNDS

	mg/l
as NaCl	
as CaCO ₃	8,000
as CaCO ₃	8,000
as BaSO ₄	0

Cations Total 16,437

Anions

	mg/l	meq/l
Chloride, Cl	28,529	805
Sulfate, SO ₄	20	0
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	390	6

	mg/l
as NaCl	47,000
as Na ₂ SO ₄	30
as CaCO ₃	0
as CaCO ₃	320

Anions Total 28,939

Total Dissolved Solids (Calc.) 45,376

Total Iron, Fe 6.1

Acidity to Phenolphthalein, CO₂

as Fe 6.1
as CaCO₃

OTHER PROPERTIES

pH	7.4
Specific Gravity	1.040
Turbidity (JTU)	

CaCO₃ STABILITY INDEX

@ 70° F.
@ 120° F.
@ 160° F.
Method of Stiff & Davis

Remarks:

Gary Tharp

**NALCO CHEMICAL COMPANY
VISCO CHEMICALS**

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