

t. 28 NSC. 16E 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 G15 - wellhead

DISSOLVED SOLIDS

Cations	mg/l	meq/l
Sodium, Na (Calc.)	13,156	572
Calcium, Ca	2,800	140
Magnesium, Mg	2,673	220
Barium, Ba	0	0

RESULTS AS COMPOUNDS

	mg/l
as NaCl	
as CaCO ₃	7,000
as CaCO ₃	11,000
as BaSO ₄	0

Cations Total 18,629

Anions

	mg/l	meq/l
Chloride, Cl	32,778	924
Sulfate, SO ₄	14	0
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	488	8

	mg/l
as NaCl	54,000
as Na ₂ SO ₄	21
as CaCO ₃	0
as CaCO ₃	400

Anions Total 33,280

Total Dissolved Solids (Calc.) 51,909

Total Iron, Fe .55

Acidity to Phenolphthalein, CO₂

as Fe	.55
as CaCO ₃	

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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