



t.28 HSC.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 I9 - wellhead

DISSOLVED SOLIDS

Cations	mg/l	meq/l
Sodium, Na (Calc.)	13,938	606
Calcium, Ca	3,200	160
Magnesium, Mg	2,430	200
Barium, Ba	0	0

RESULTS AS COMPOUNDS

	mg/l
as NaCl	
as CaCO ₃	8,000
as CaCO ₃	10,000
as BaSO ₄	0

Cations Total 19,568

Anions

Chloride, Cl	33,992	959
Sulfate, SO ₄	14	0
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	439	7

as NaCl	56,000
as Na ₂ SO ₄	20
as CaCO ₃	0
as CaCO ₃	360

Anions Total 34,445

Total Dissolved Solids (Calc.) 54,013
Total Iron, Fe .45
Acidity to Phenolphthalein, CO₂

as Fe .45
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