

7.28 NSL-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 G13 - wellhead

DISSOLVED SOLIDS

Cations	mg/l	meq/l
Sodium, Na (Calc.)	12,765	555
Calcium, Ca	2,400	120
Magnesium, Mg	2,916	240
Barium, Ba	0	0

Cations Total 18,081

Anions

Chloride, Cl	32,171	907
Sulfate, SO ₄	14	0
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	488	8

Anions Total 32,673

Total Dissolved Solids (Calc.) 50,754
Total Iron, Fe .45
Acidity to Phenolphthalein, CO₂

OTHER PROPERTIES

pH 7.4
Specific Gravity 1.050
Turbidity (JTU)

RESULTS AS COMPOUNDS

	mg/l
as NaCl	
as CaCO ₃	6,000
as CaCO ₃	12,000
as BaSO ₄	0

as NaCl	53,000
as Na ₂ SO ₄	20
as CaCO ₃	0
as CaCO ₃	400

as Fe .45
as CaCO₃

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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