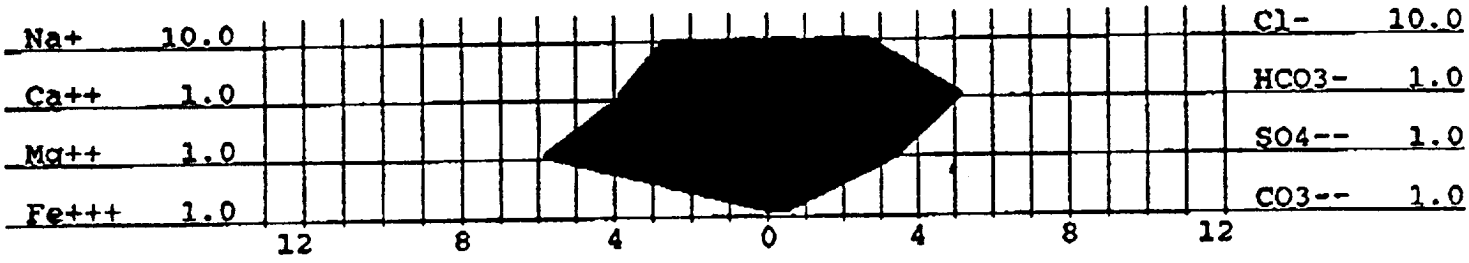
BAKER PERFORMANCE CHEMICALS
A Baker Hughes company

WATER ANALYSIS
for
C.W. TRAINER

Date of Analysis:	SEPTEMBER 13, 1981	Analysis #:	5419
Company:	C.W. TRAINER	Company Address:	N/D
State:	N/D	Field:	N/D
Lease:	FRESH WATER **	Well #:	FRESH WATER **
Oil (bbl/day):	N/D	Water (bbl/day):	N/D
Type of Water:	FRESH	Temp.,C:	20
Sample Source:	N/D	Date of Sampling:	SEPTEMBER 12, 1981
Representative:	WH FORT JR.	Analysis By:	CLYDE WILHOIT

WATER ANALYSIS PATTERN
(number beside ion symbol indicates me/l scale unit)



DISSOLVED SOLIDS

CATIONS	me/l	mg/l
Total Hardness :	10.00	
Calcium, (Ca++) :	4.00	80.19
Magnesium, (Mg++):	6.00	72.91
Iron, (Fe+++) :	0.05	1.00
Barium, (Ba++) :	N/D	N/D
Sodium, Na+(calc):	27.90	641.72
Manganese, (Mn++):	0.00	0.00
ANIONS		
Chloride, Cl- :	28.17	999.96
Sulfate, SO4-- :	3.75	180.00
Carbonate, CO3-- :	0.64	19.20
Bicarbonate,HCO3-:	5.40	329.47
Hydroxyl,OH- :	0.00	0.00
Sulfide, S-- :	0.00	0.00
TOTAL SOLIDS (quant.):		2305.25

DISSOLVED GASES

Hydrogen sulfide:	0.00	mg/l
Carbon dioxide :	0.00	mg/l
Oxygen :	N/D	mg/l

PHYSICAL PROPERTIES

pH :	8.20
Spec Grav. :	1.000
TDS (calc.) :	2311.30

SCALE STABILITIES

Temp.,C	CaCO3	CaSO4	BaSO4
20.0	0.90	1859	0
30.0	1.08	1896	0
40.0	1.26	1899	0
Max entity, (calc.)		255	0

RESIDUAL HYDROCARBONS: N/D

N/D = not determined

REMARKS: @20 C MODERATE CARBONATE SCALING

@20 C CALCIUM SULFATE SCALING IS UNLIKELY

** FRESH WATER SAMPLE TAKEN ONE LOCATION FROM MORRIS # 1 Lease