



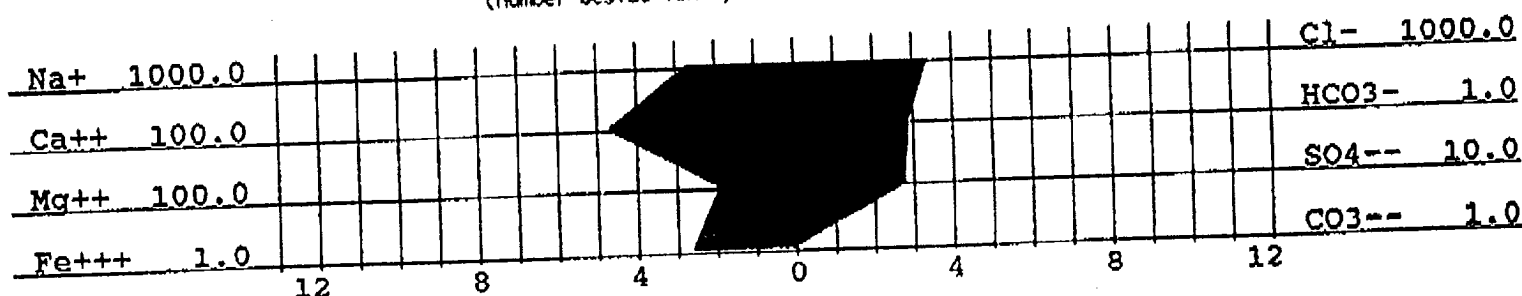
BAKER PERFORMANCE
CHEMICALS
A Division of Baker Performance Chemicals, Inc.

WATER ANALYSIS
for
HEYCO

Date of Analysis: SEPTEMBER 27, 1993 Analysis #: 2422
Company: HEYCO Company Address: ROSWELL
State: NEW MEXICO Field: N/D
Lease: CAVINESS 10 FED. #1 Well #: #1
Oil (bbl/day): N/D Water (bbl/day): N/D
Type of Water: PRODUCED Temp., C: 20
Sample Source: WELL HEAD Date of sampling: SEPTEMBER 23, 1993
Representative: STEVE STROUD Analysis By: SUZANNE WILLIAMS

WATER ANALYSIS PATTERN

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



DISSOLVED SOLIDS

CATIONS	me/l	mg/l
Total Hardness	: 680.00	
Calcium, (Ca++)	: 480.00	9623.09
Magnesium, (Mg++)	: 200.00	2430.28
Iron, (Fe+++)	: 2.69	50.00
Barium, (Ba++)	: N/D	N/D
Sodium, Na+(calc)	: 2841.98	65365.54
Manganese, (Mn++)	: 0.00	0.00

ANIONS	me/l	mg/l
Chloride, Cl-	: 3492.95	123995.38
Sulfate, SO4--	: 28.72	1380.00
Carbonate, CO3--	: 0.00	0.00
Bicarbonate, HCO3--	: 3.00	183.04
Hydroxyl, OH-	: 0.00	0.00
Sulfide, S--	: 0.00	0.00
TOTAL SOLIDS (quant.)		203027.30

DISSOLVED GASES

Hydrogen sulfide:	0.00	mg/l
Carbon dioxide	: 158.40	mg/l
Oxygen	: N/D	mg/l

PHYSICAL PROPERTIES

pH	: 5.80
Spec Grav.	: 1.125
TDS (calc.)	: 203030.33

SCALE STABILITIES

Temp., C	CaCO3	CaSO4	BaSO4
20.0	N/D	1955	0
30.0	N/D	2116	0
40.0	N/D	2464	1
Max entity, (calc.)	2083		0

RESIDUAL HYDROCARBONS: N/D