



Water Analysis Report

Analysis Number : 000003106

Company.....: Hayco
 Location.....: Roswell, New Mexico
 Field.....:
 Case.....: Caviness
 Sample Source.....: Wellhead

Date of Sampling.....: 09/15/94
 Date of Analysis.....: 09/15/94
 Baker Representative.: Steven Stroud
 Well#.....: 10-1 / 10-3
 Analysis by.....: Williams

DISSOLVED SOLIDS

CATIONS:

	mg/l	me/l
Ca++	4080.00	204.00
Mg++	854.00	70.00
Fe+++	50.00	2.69
Na+	0.00	0.00
K+	61004.05	2652.35
Mn++	0.00	0.00

ANIONS:

	mg/l	me/l
Cl-	103000.00	2901.41
SO4--	1110.00	23.13
HCO3-	274.50	4.50
CO3--	0.00	0.00
OH-	0.00	0.00
S-	0.00	0.00

TOTAL HARDNESS.....: 274.00
 TOTAL SOLIDS (quantitative).....: 170372.60
 RESIDUAL HYDROCARBONS(ppm).....: 0.00

* = not determined

DISSOLVED GASES

Hydrogen Sulfide, H2S.....	0.0
Carbon Dioxide, CO2.....	75.2
Oxygen, O2.....	0.0

PHYSICAL PROPERTIES

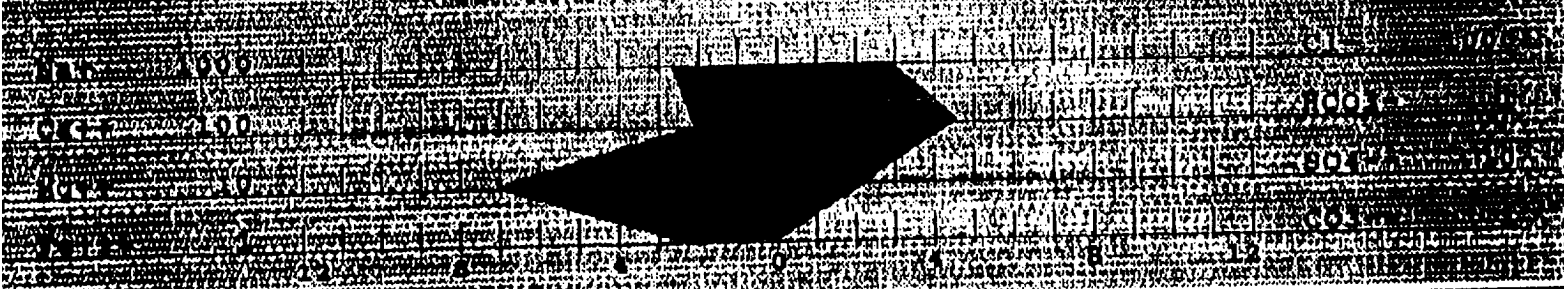
pH.....	5.9
Specific Gravity.....	1.010
TDS (calculated) ppm.....	170372.6
TSS (calculated)	3.1

SCALE STABILITIES

Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	-0.44	4016	1
	30	86	-0.23	4272	1
	40	104	0.02	4941	1
Max entity, (calculated):				1658	0

WATER ANALYSIS PATTERN

(Hardness, sulfate, iron, sodium, indicated mg/l (ppm) Cl-) 170372.60



NOTES:

@20'C...CALCIUM SULFATE SCALING IS UNLIKELY.
 @20'C...SLIGHTLY CORROSIVE.