



Water Analysis Report

Analysis Number : 000003106

Company.....:	Heyco	Date of Sampling.....:	09/15/94
Location.....:	Roswell, New Mexico	Date of Analysis.....:	09/15/94
Field.....:		Baker Representative..:	Steven Stroud
Lease.....:	Caviness	Well#.....:	10-1
Sample Source....:	Wellhead	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+	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

ø = 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
TIS (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

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



NOTES:

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