



Water Analysis Report

Analysis Number : 000002855

Company.....:	Heyco	Date of Sampling.....:	06/09/94
Location.....:	Roswell, New Mexico	Date of Analysis.....:	06/08/94
Field.....:		Baker Representative..:	Steven Stroud
Lease.....:	Young Deep Fed.	Well#.....:	3-4
Sample Source....:	Well Head	Analysis by.....:	Williams

DISSOLVED SOLIDS

CATIONS:

mg/l

mc/l

Ca++	4600.00	230.00
Mg++	1049.20	86.00
Fe+++	5.00	0.27
Ba++	0.00	0.00
Na+	48633.04	2114.48
Mn++	0.00	0.00

ANIONS:

Cl-	85000.00	2394.37
SO4--	1650.00	34.38
HCO3-	122.00	2.00
CO3--	0.00	0.00
OH-	0.00	0.00
S-	0.00	0.00

TOTAL HARDNESS.....: 316.00
 TOTAL SOLIDS (quantitative).....: 141059.20
 RESIDUAL HYDROCARBONS(ppm).....: 0.00

* = not determined

DISSOLVED GASES

Hydrogen Sulfide, H2S.....:	0.0
Carbon Dioxide, CO2.....:	138.6
Oxygen, O2.....:	0.0

PHYSICAL PROPERTIES

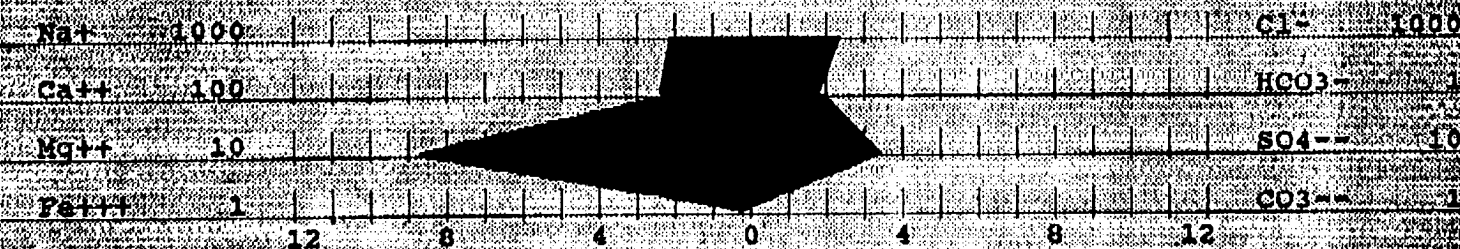
pH.....:	6.3
Specific Gravity.....:	1.040
TDS (calculated) ppm.....:	141059.2
TIS (calculated)	2.6

SCALE STABILITIES

Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	-0.55	3747	0
	30	86	-0.36	3967	0
	40	104	-0.14	4499	1
Max entropy, (calculated):				2441	0

WATER ANALYSIS PATTERN

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



NOTES:

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