



James 'A' water

GP.O.BOX 2187
HOBBS, N.M. 88240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Randall Smith
cc: Scott Mallone
cc: Pat Culpepper
cc:
Company: Phillips
Address:
Service Engineer: K. Kearney

Date sampled: 12-14-93
Date reported: 12-20-93
Lease or well # : Lost Tank H2O Sta.
County: State:
Formation:
Depth:
Submitted by: K. Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	175000	4937
Iron (Fe) (total)	4.0	
Total hardness	103000	
Calcium (Ca)	32080	1601
Magnesium (Mg)	5589	449
Bicarbonates (HCO3)	40	1
Carbonates (CO3)	0	
Sulfates (SO4)	149	3
Hydrogen sulfide (H2S)	0	
Carbon dioxide (CO2)	1097	
Sodium (Na)	66488	2891
Total dissolved solids	279347	
Barium (Ba)	2.8	
Strontium (Sr)	857	
Specific Gravity	1.199	
Density (#/gal.)	9.992	
pH	5.50	
IONIC STRENGTH	5.97	

Stiff-Davis (CaCO3) Stability Index :
SI = pH - pCa - pAlk - K

SI @ 86 F = +1.08
104 F = +1.31
122 F = +1.57
140 F = +1.86
158 F = +2.18

This water is 608 mg/l (-74.15%) under ITS CALCULATED
CaSO4 saturation value at 82 F.
SATURATION= 820 mg/L PRESENT= 212 mg/L

REPORTED BY ROBERT C MIDDLETON *RCM*
TECHNICAL SERVICES REPRESENTATIVE