



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

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Lendell Hawkins
cc: Scott Malone
cc: Jeff Hargrove
cc:
Company: Phillips
Address:
Service Engineer: Kenny Kearney

Date sampled: 10-15-93
Date reported: 10-22-93
Lease or well #: Christopher 32 #1
County: State:
Formation:
Depth:
Submitted by: R. Middleton

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	150000	4231
Iron (Fe) (total)	6.0	
Total hardness	62637	
Calcium (Ca)	21855	1091
Magnesium (Mg)	1944	156
Bicarbonates (HCO3)	61	1
Carbonates (CO3)	0	
Sulfates (SO4)	125	3
Hydrogen sulfide (H2S)	2	
Carbon dioxide (CO2)	343	
Sodium (Na)	68730	2988
Total dissolved solids	242715	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.173	
Density (#/gal.)	9.775	
pH	5.600	
IONIC STRENGTH	4.86	

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

SI @ 86 F = +0.15
104 F = +0.38
122 F = +0.64
140 F = +0.93
158 F = +1.25

This water is 770 mg/l (-81.31%) under ITS CALCULATED
CaSO4 saturation value at 82 F.
SATURATION= 947 mg/L PRESENT= 177 mg/L

REPORTED BY ROBERT C MIDDLETON
TECHNICAL SERVICES REPRESENTATIVE

Post-It™ brand fax transmittal memo 7671		# of pages 1
To	Jeff Hargrove	From
cc	Phillips	cc
Dept.		Phone #
Fax #	368.1507	Fax #
		Champion