



P.O. BOX 2187
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PHONE: (505) 393-7726

W A T E R A N A L Y S I S R E P O R T

Report for: EDDIE CARPENTER
cc: STEVE BLEVINS
cc:
cc:
Company: MERIDIAN
Address:
Service Engineer: KENNY KEARNEY

Date sampled: 3-3-92
Date reported: 3-15-92
Lease or well # : CITIES COMP #1
County: State:
Formation:
Depth:
Submitted by: KENNY KEARNEY

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	46000	1298
Iron (Fe) (total)	3.0	
Total hardness	18400	
Calcium (Ca)	1604	80
Magnesium (Mg)	3499	281
Bicarbonates (HCO ₃)	1537	25
Carbonates (CO ₃)	n/a	
Sulfates (SO ₄)	2001	42
Hydrogen sulfide (H ₂ S)	133	
Carbon dioxide (CO ₂)	210	
Sodium (Na)	23080	1004
Total dissolved solids	77722	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.055	
Density (#/gal.)	8.792	
pH	7.500	
IONIC STRENGTH	1.57	

Stiff-Davis (CaCO₃) Stability Index :

$$SI = pH - pCa - pAlk - K$$

SI @ 86 F = +1.21
104 F = +1.44
122 F = +1.70
140 F = +1.99
158 F = +2.31

This water is 3007 mg/l (-51.45%) under ITS CALCULATED
CaSO₄ saturation value at 82 F.
SATURATION= 5844 mg/L PRESENT= 2837 mg/L