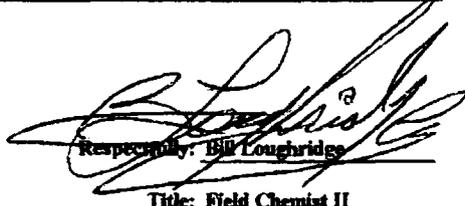




Water Analysis Report

To: Maralex Date: 9/9/99
Submitted by: Halliburton Energy Services Date Rec: 9/9/99
Attention: Jim Graves; 970-563-4000 (FX- 4116) Report #: WF-990-0208
Well Name: Gracia Federal 26-1 Formation: Flow back Water

Specific Gravity	1.005	
pH	7.42	
Resistivity	0.68	@ 70° F
Iron (Fe)	0	Mg / L
Potassium (K)	150	Mg / L
Sodium (Na)	5880	Mg / L
Calcium (Ca)	112	Mg / L
Magnesium (Mg)	22	Mg / L
Chlorides (Cl)	9000	Mg / L
Sulfates (SO ₄)	0	Mg / L
Carbonates (CO ₃)	0.0	Mg / L
Bicarbonates (HCO ₃)	813	Mg / L
Total Dissolved Solids	15978	Mg / L


Respectfully: Bill Loughridge

Title: Field Chemist II

Location: Farmington, NM

NOTICE: This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its use