



**EXPLANATION**

**Fault**—U indicates upthrown side; D indicates downthrown side. Information is from Hawley (1984, pl. 1)

**Well**—Numbers by well indicate concentrations of dissolved ions in milligrams per liter; number at top center is specific conductance in microsiemens per centimeter at 25 degrees Celsius; - indicates no value for the particular parameter

**Specific conductance**

Calcium      Sulfate  
Magnesium ● Chloride  
Sodium plus Bicarbonate  
                 potassium

Base from U.S. Geological Survey  
1:24,000 and 1:62,000 scale  
topographic maps

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1992

0 1 2 3 4 5 MILES  
0 1 2 3 4 5 KILOMETERS

**MAP SHOWING CONCENTRATION OF DISSOLVED CONSTITUENTS FOR SELECTED SITES IN THE MESILLA BASIN AND ADJACENT AREAS, NEW MEXICO AND TEXAS**

By  
**Peter F. Frenzel and Charles A. Kaehler**  
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