



EXPLANATION

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| <p> Potable fresh-water zone in the reef aquifer. Total dissolved solids generally are less than 700 ppm.</p> | <p> Impotable-water zone in the reef aquifer. Total dissolved solids generally range from 1,700 ppm to more than 3,500 ppm.</p> | <p> Sand and gravel</p> | <p> Clay or shale</p> |
| <p> Potable mixed-water zone in the reef aquifer. Total dissolved solids generally range from 700 ppm to 1,700 ppm.</p> | <p> Impotable-water zone in the alluvium and residue of Salado and Rustler rocks. Total dissolved solids generally range from about 3,000 ppm to more than 5,000 ppm.</p> | <p> Sand or sandstone</p> | <p> Gypsum</p> |
| | | <p> Silt or siltstone</p> | <p> Limestone and dolomite</p> |

Figure 48.--Cross section B-B' showing quality-of-water zones in the vicinity of Carlsbad, Eddy County, N. Mex.