

GEOLOGIC SECTION



RELATIVE GROUND-WATER TRAVEL TIMES



HYDROGEOLOGIC UNITS

CORRESPONDING UNITS
ON GEOLOGIC SECTIONS

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|---|--|
| a | COARSE-GRAINED BASIN FILL |
| A | FINE-GRAINED BASIN FILL |
| C | CARBONATE ROCKS |
| f | FINE-GRAINED CLASTIC ROCKS |
| G | CRYSTALLINE ROCKS, UPPER PART OF SECTION |
| g | CRYSTALLINE ROCKS, LOWER PART OF SECTION |
| S | COARSE-GRAINED CLASTIC ROCKS |
| Y | GYPSUM |
| 2 | DISCHARGE AREA |

ON GEOLOGIC SECTIONS

Qs and Grab

Grab and P₁ in central part of section

P₂, MDS₂, OC₂, and P₃, P₄, and P₅ in southern part of section

P₃

TK₁

p₅ and TK₁

TK₂, P₄, P₅, and P₆ in northern Tularosa basin

P₆

PLOT OF TRAVELTIME

10— RELATIVE TRAVELTIME—From points on line to discharge area; dimensionless. Areas of longest traveltimes originate in the recharge area. No isolated areas of shorter traveltime are surrounded by areas of longer traveltime. Some areas of longest traveltime are too small to portray at scale shown

7 EXPONENT OF TIME—A display of "T" indicates that the time is greater or equal to 1,000,000 years and less than 10,000,000 years. Time is from the point to discharge area. Traveltime is computed for each active node but depending on scale and block dimensions, may not be displayed everytime

7 EXPONENT OF TIME-A display of "7" indicates that the time is greater or equal to 1,000,000 years and less than 10,000,000 years. Time is from the point to discharge area. Traveltime is computed for each active node but depending on scale and block dimensions, may not be displayed everytime



**GEOLOGIC AND HYDROGEOLOGIC SECTIONS SHOWING GROUND-WATER FLOW PATHS AND RELATIVE TRAVELTIME, RIO GRANDE REGION,
NEW MEXICO AND TEXAS**