

Base from U.S. Geological Survey topographic quadrangles

EXPLANATION

○ $\begin{matrix} >100 \\ >260 \end{matrix}$
 ▲ $\begin{matrix} 22 \\ 790 \\ 1300 \end{matrix}$

WATER WELL OR TEST HOLE-- Top number indicates thickness, in feet of basin fill containing fresh water estimated from electrical logs or analyses of water samples in drill-stem tests. Bottom number indicates depth of base of fresh water section, in feet. > = "more than"

▲ $\begin{matrix} 22 \\ 790 \\ 1300 \end{matrix}$

ELECTRICAL-SOUNDING LOCATION AND NUMBER--Numbers 14 and 39 not shown due to poor data. Middle number indicates thickness, in feet of basin fill containing fresh water. Bottom number indicates depth of base of fresh water section, in feet

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APPROXIMATE EDGE OF SIGNIFICANT THICKNESS OF UNCONSOLIDATED BASIN FILL

— U — — — — —
 — D — — — — —

FAULT-- Approximately located based on resistivity and well data. U, upthrown side; D, downthrown side

AREA UNDERLAIN BY 100-500 FEET (30-150 METERS) OF BASIN FILL--Containing fresh water

AREA UNDERLAIN BY 500-1000 FEET (150-300 METERS) OF BASIN FILL--Containing fresh water

AREA UNDERLAIN BY MORE THAN 1000 FEET (300 METERS) OF BASIN FILL--Containing fresh water

NOTE: To obtain meters multiply feet by 0.3048

▲ $\begin{matrix} 65 \\ 900 \\ 1500 \end{matrix}$

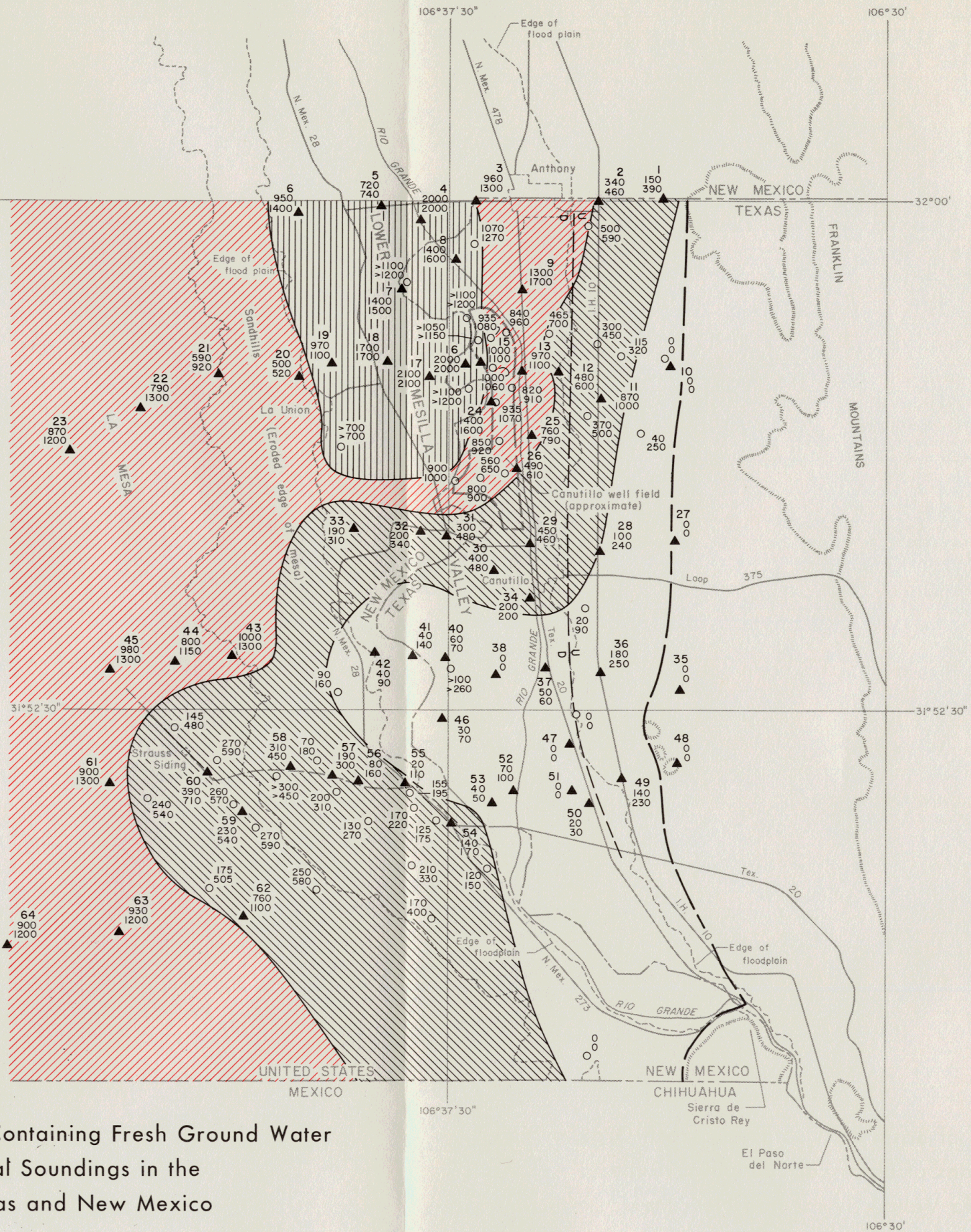


Figure 27

Approximate Thickness of Basin Fill Containing Fresh Ground Water and Locations of Electrical Soundings in the Lower Mesilla Valley, Texas and New Mexico