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R.28E. R.29E. R.30E. R.31E. R.32E. R.33E.

104°00' 103°45'

32°30' T.21S. T.22S. T.23S. 32°15' T.24S. T.25S. T.26S. 32°00'

U.S. Borax and Chemical Co. mine

International Minerals and Chemical Corp. mine and refinery

U.S. Borax and Chemical Co. refinery

El Paso Natural Gas Co. turbine station

PROJECT GNOME SITE

Five-mile radius from Gnome site

Fifteen-mile radius from Gnome site

Laguna Grande de la Sal (Salt Lake)

Loving

Malaga

Malaga bend

Willow Lake

Black River

Pecos River

Nash Draw

EL PASO NATURAL GAS CO. PIPELINE

PRIVATE ROAD

EDDY COUNTY

LEA COUNTY

CULBERSON COUNTY

REEVES COUNTY

LOVING COUNTY

NEW MEXICO

TEXAS

0 2 3 4 Miles

Base from New Mexico State Highway quadrangle maps. Lea County 1941, Eddy County 1950

Contours by James B. Cooper (1961)
Contours west of Pecos River from Hale and Ciebsch (1958)
Contours in Lea County from Nicholson and Ciebsch (1961)

EXPLANATION

2 ○ Water well
Number indicates number of wells at location

○ Well finished in rocks of Quaternary or Tertiary age

● Wells finished in rocks of Triassic age

◉ Well finished in rocks of Permian age

Altitude of piezometric surface 3022 ○ P300.0/400 Depth to water, in feet / Depth of well, in feet

Measured depths are in feet and tenths; reported depths are in feet. P, indicates well being pumped at time of measurement

2950 Water-table or piezometric contour on water body in rocks of Quaternary or Tertiary age.

3200 Piezometric contour On water body in rocks of Triassic age

3000 Water-table or piezometric contour on water body in rock of Permian age. All contours dashed where inferred or uncertain. Contour interval is 50 feet except where data is meager.

Approximate position of boundary between rocks of Quaternary and Tertiary age and older rocks

Approximate position of boundary between rocks of Triassic age and rocks of Permian age

Majority of water-level measurements made August 1958 to April 1959

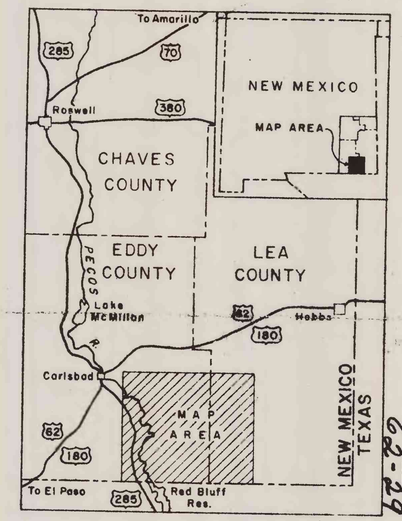

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Figure 10.--Map showing location of wells and the general direction of ground-water movement in geologic formations in the Project Gnome area, Eddy and Lea Counties, N. Mex.

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