

EXPLANATION

SEDIMENTARY ROCKS

Qal
Alluvium
Clay, silt, sand, gravel, and conglomerate

K
Undifferentiated deposits
Red shale, siltstone, and sandstone

Pcb
Chalk Bluff formation
Red shale, gypsum, and anhydrite; minor amounts of limestone, silt, sand and salt

Psa
San Andres limestone
Limestone, dolomite, and silty limestone; some gypsum north of Roswell

IGNEOUS ROCKS

Ti
Dikes of intrusive rocks
Dashed where covered or located approximately

Contact

Irrigation, public-supply, or industrial well

Stock, domestic, or observation well

Spring

Oil test

Surface-water sampling station

Open symbol represents water from alluvium; half-shaded symbol, water from Chalk Bluff formation; solid symbol, water from San Andres limestone and Grayburg formation.

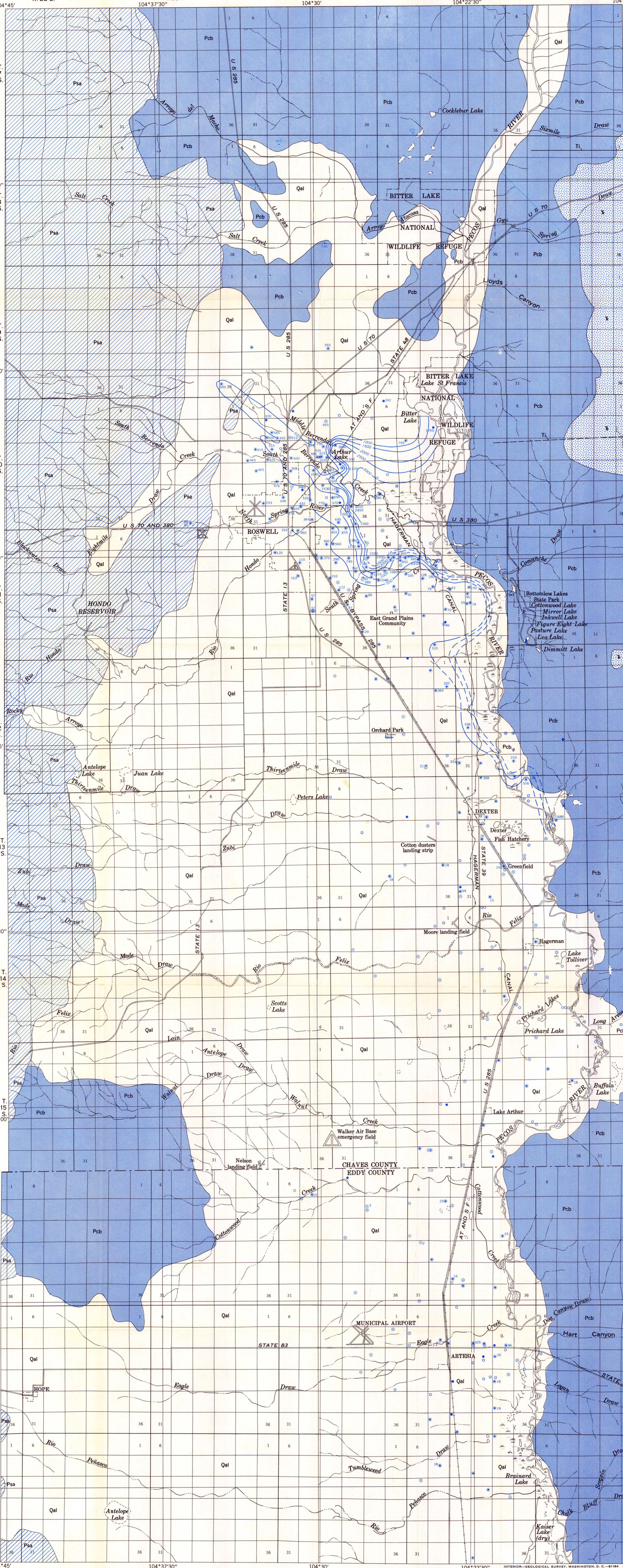
Slanting number by well indicates number of wells at that location; upright number, well sampled March 1959, showing chloride content of the water, in parts per million

Generalized isochlor
Dashed where inferred or doubtful.
Isochlor interval 500 ppm

114°

TRUE NORTH
MAGNETIC NORTH

APPROXIMATE MEAN
DECLINATION, 1951



Base prepared by New Mexico State Engineer office

Geology after Carle H. Dane and George O. Bachman, 1958

MAP SHOWING LOCATION OF WELLS, SPRINGS, AND SURFACE-WATER STATIONS SAMPLED; OUTCROPS OF GEOLOGIC FORMATIONS; AND CHLORIDE CONTENT, IN MARCH 1959, OF WATER FROM SELECTED WELLS FINISHED IN THE SAN ANDRES LIMESTONE, IN PARTS OF CHAVES AND EDDY COUNTIES, NEW MEXICO

SCALE 1:125 000

