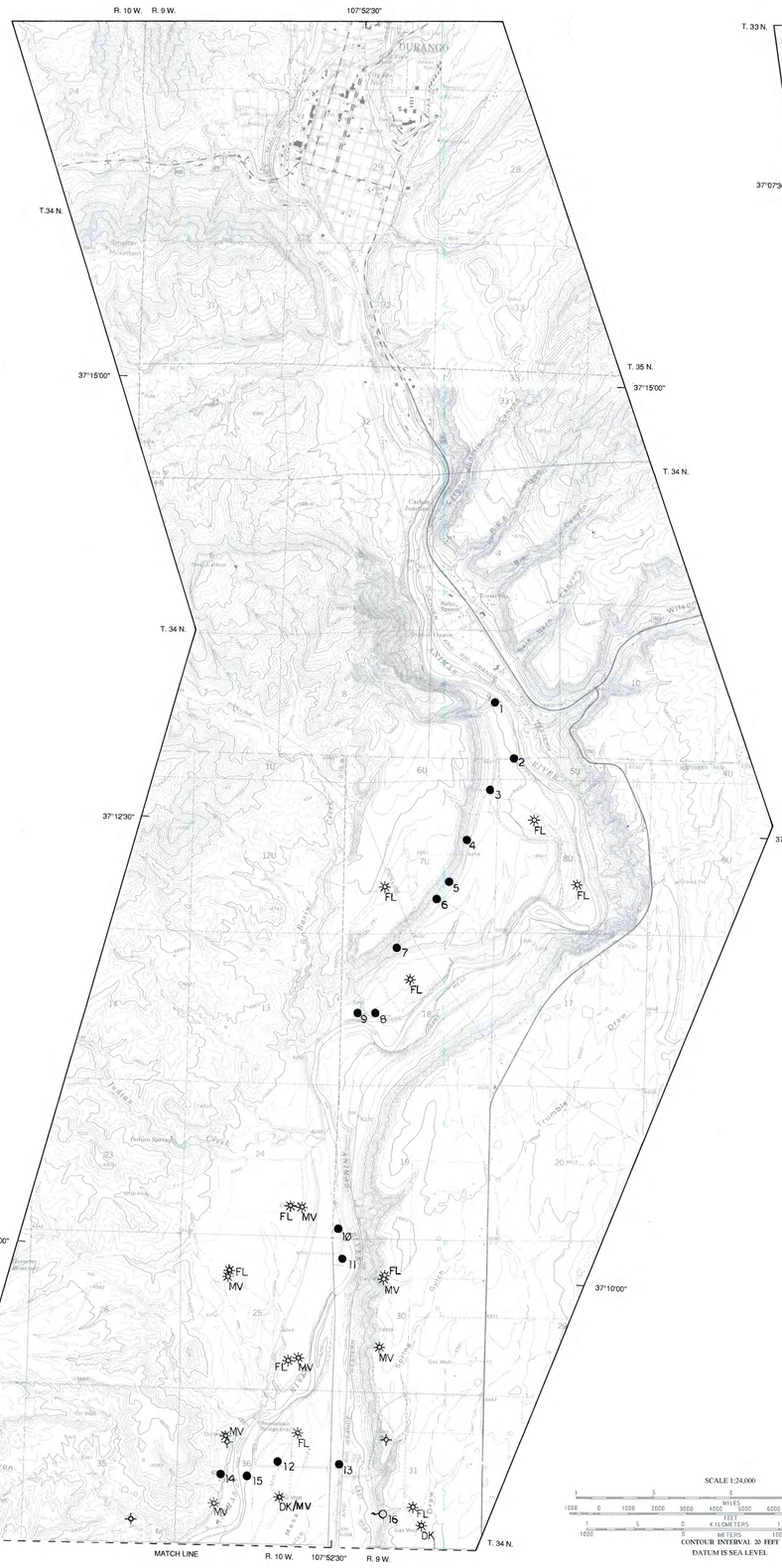
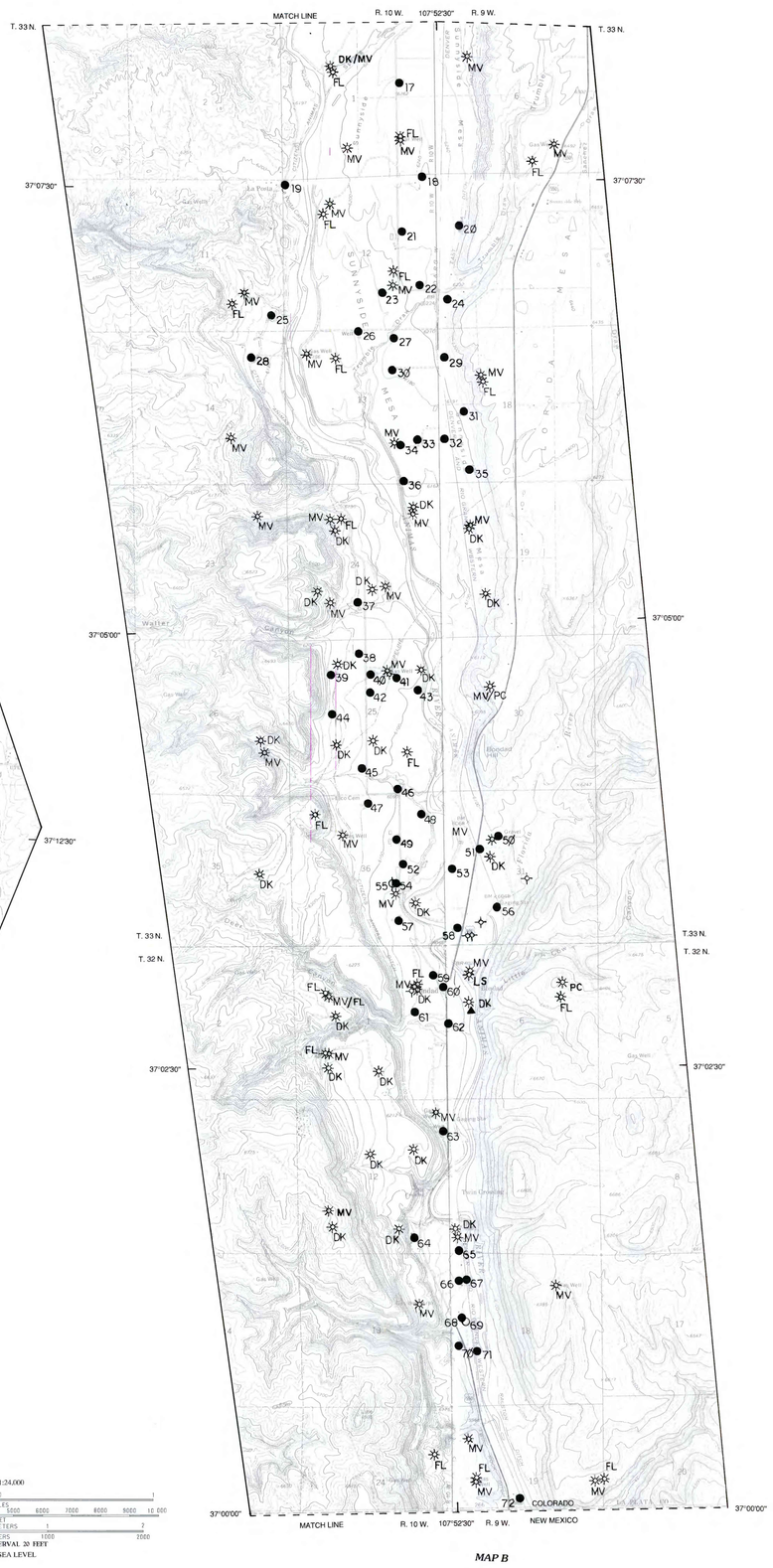
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
COLORADO OIL AND GAS CONSERVATION COMMISSION,
LA PLATA COUNTY, AND THE SOUTHERN UTE TRIBAL COUNCIL

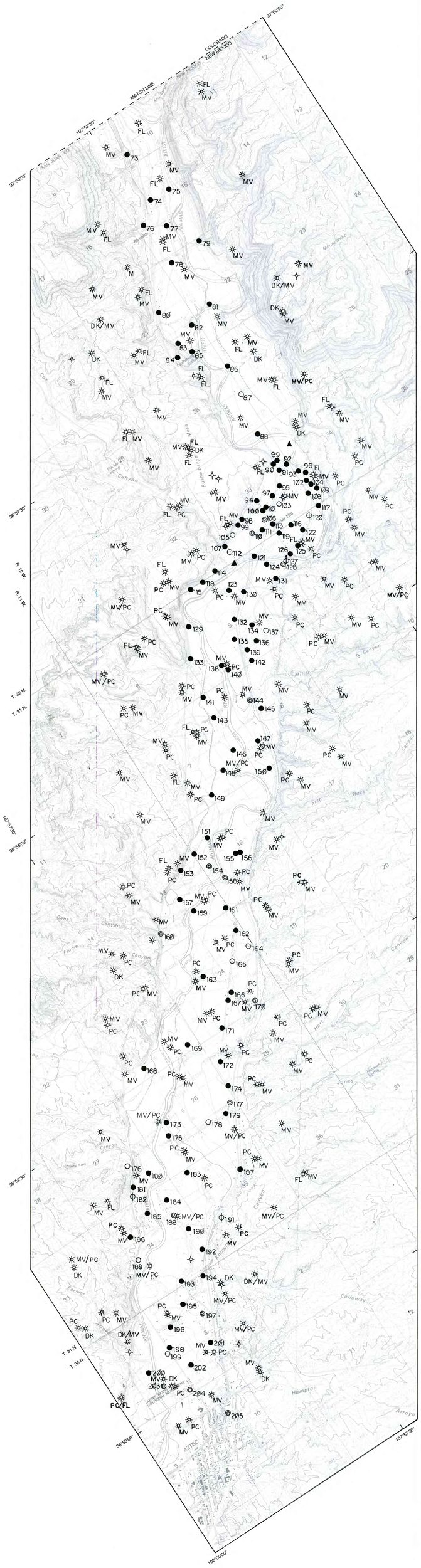
WATER-RESOURCES INVESTIGATIONS REPORT 93-4007
Ground-water and soil-gas sampling sites—PLATE 1
Chafin, D.T., Swanson, D.M., and Grey, D.W., 1996, Methane-concentration and methane-isotope data for ground water and soil gas in the Animas River Valley, Colorado and New Mexico, 1990–91



MAP A



MAP B

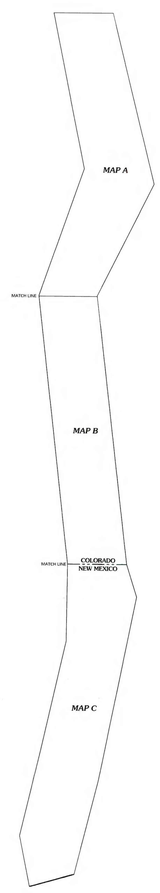


MAP C

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET
DATUM IS SEA LEVEL

Base from U.S. Geological Survey 1:24,000
Durango West, CO 1963, Durango East, CO 1963,
Basin Mountain, CO 1968, Loma Linda, CO 1968,
Long Mountain, CO 1968, Bondad Hill, CO 1968,
Cedar Hill, NM-CO 1985, Mount Nebo, NM-CO 1985,
Aztec, NM 1985



EXPLANATION

WATER WELL—Number refers to site number in tables 1 and 2

- Domestic
- Unused
- Unused and flowing
- Stock
- Public supply
- Irrigation

SPRING—Number refers to site number in tables 1 and 2

- Fish farm
- Domestic

SITES WHERE SOIL-GAS-METHANE CONCENTRATION WAS MEASURED

- Gas well—Letters refer to producing formation
  - LS Lewis Shale
  - FL Fruitland Formation
  - PC Pictured Cliffs Sandstone
  - MV Mesaverde Group
  - DK Dakota Sandstone
- Abandoned and plugged gas well or borehole
- Open-field soil seep

MAP SHOWING LOCATIONS OF SAMPLED WATER WELLS AND SPRINGS AND SOIL–GAS SAMPLING SITES IN THE ANIMAS RIVER VALLEY BETWEEN DURANGO, COLORADO, AND AZTEC, NEW MEXICO

by
Daniel T. Chafin, David M. Swanson, and David W. Grey