

**STRATIGRAPHY AND TECTONIC DEVELOPMENT OF THE ALBUQUERQUE BASIN, CENTRAL
RIO GRANDE RIFT**

FIELD-TRIP GUIDEBOOK FOR THE GEOLOGICAL SOCIETY OF AMERICA
ROCKY MOUNTAIN-SOUTH CENTRAL SECTION MEETING, ALBUQUERQUE, NM
PRE-MEETING FIELD TRIP

GUIDEBOOK

**FIRST DAY, SANTO DOMINGO SUB-BASIN: HAGAN EMBAYMENT AND
NORTHERN FLANK OF THE SANDIA MOUNTAINS**

SECOND DAY, CALABACILLAS SUB-BASIN: ZIA PUEBLO, RIO RANCHO, AND TIJERAS ARROYO

**THIRD DAY, BELEN SUB-BASIN: BELEN, SEVILLETA NATIONAL WILDLIFE REFUGE, AND
NORTHERN SOCORRO BASIN**

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REVISIONS TO GUIDEBOOK AND MINI-PAPERS

This field-guide accompanied a pre-meeting field trip of the Geological Society of America Rocky Mountain and South-Central Section conference in Albuquerque, New Mexico. A limited quantity of guidebooks and mini-paper compilations were produced for participants of this field trip. A number of typographical, grammatical, and editorial errors were found in this first version of the guidebook, mainly because of logistical constraints during preparation for the field trip. In the revised version, *released on June 11, 2001*, many errors have been corrected. Many photographs, figures, and maps, shown during the field trip but not included in the first version, are included in this revision. Numerous minor editorial changes and corrections have also been made to the guidebook mini-papers.

The field-guide has been separated into two parts. Part A (open-file report 454A) contains the three-days of road logs and stop descriptions. Part B (open-file report 454B) contains a collection of mini-papers relevant to field-trip stops.

The contents of the road logs and mini-papers have been placed on open file in order to make them available to the public as soon as possible. Revision of these papers is likely because of the on-going nature of work in the region. The papers have not been edited or reviewed according to New Mexico Bureau of Mines and Mineral Resources standards. The contents of this report should not be considered final and complete until published by the New Mexico Bureau of Mines and Mineral Resources. Comments on papers in this open-file report are welcome and should be made to authors. The views and preliminary conclusions contained in this report are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of New Mexico or the U.S. Government.

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We thank the New Mexico Geological Society for granting permission to reprint three papers from their 1999 Guidebook 50 entitled *Albuquerque Geology* (F.J. Pazzaglia and S.G. Lucas, eds). We especially thank V.J.S. Grauch for agreeing to present summaries of recent regional geophysical surveys of the Albuquerque Basin.

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