Aeromagnetic and airborne radioactivity maps and profiles in New Mexico published or open-filed by the U.S. Geological Survey

The accompanying index maps (p. 56-57) show the location of airborne magnetic and radioactivity surveys for which results are available. The list of publications or open-file releases is keyed to each index map. Also included are aeromagnetic and aeroradioactivity maps published or open-filed by various states and available only from the states. Not included are airborne projects by other government agencies and private industry except when incorporated in U.S. Geological Survey or individual state publications.

Some publications listed are Geophysical Investigations Maps (GP). These and other Survey maps can be purchased from the Branch Of Distribution, U.S. Geological Survey, 1200 S. Eads St., Arlington, Va. 22202. Professional papers and bulletins can be purchased over the counter from:

Reston, Virginia (22092), 302 National Center, Rm. 1C402, 12201 Sunrise Valley Drive.
Arlington, Virginia (22202), 1200 South Eads St.
Washington, D.C. (20244), 1028 General Services Bldg., 19th and F Sts., N.W.
Denver, Colorado (80224), 169 Federal Bldg., 1961 Stout St.
Dallas, Texas (75242), IC45 Federal Bldg., 1100 Commerce St.
Los Angeles, California (90012), 7638 Federal Bldg., 300 N. Los Angeles St.
Salt Lake City, Utah (84138), 8105 Federal Bldg., 125 South State St.
San Francisco, California (94111), 504 Customhouse, 555 Battery St.
Spokane, Washington (99201), 678 U.S. Courthouse, W. 920 Riverside Ave.
Anchorage, Alaska (99501), 108 Skyline Bldg., 508 2nd Ave.

Some maps and profiles appear as illustrations in professional journals and technical books which are available in many libraries. Open-file (OF) releases may be examined through the Open-File Services; send inquiries to the address above.

In the past few years the U.S. Department of Energy has conducted an aerial radiometric and magnetic reconnaissance survey program over much of the conterminous United States and Alaska in support of the National Uranium Resource Evaluation (NURE) program. Information on these surveys can be obtained from Bendix Field Engineering Corporation, Technical Library, P.O. Box 1569, Grand Junction, Colorado 81501 (phone 303-242-8621, Ext. 278).

Map references
C Aeromagnetic and gravity studies of the Pre cambrian in northeastern New Mexico, by G. E. Andreasen, M. F. Kane, and Isidore Zietz, 1962, Geophysics, v. 27, no. 3, p. 343-358, (fig. 3, p. 348 shows total intensity aeromagnetic map of part of northeastern New Mexico)
E Misc. Geol. Invest. Map I-533-A—Magnetic map from 100° to 112° W longitude, by Isidore Zietz and J. R. Kirby, 1968, scale 1:1,000,000 (coverage in New Mexico is a combination of data from U.S. Naval Oceanographic Office and U.S. Geological Survey)
G OF Rept. 72-306—Mineral resources of the Gila Primitive Area and Gila Wilderness, Catron and Grant Counties, New Mexico, by J. C. Ratté and others, 1972, 428 p., 7 pls., 51 figs., 11 tables (pl. 2B is an aeromagnetic map of the Gila study area, scale 1:250,000). Copies on file at 1, 2, 3, 4, 5, 7, 8, 9, 10
H Bulletin 1319-E—Mineral resources of the Black Range Primitive Area, Grant, Sierra, and Catron Counties, New Mexico, by G. E. Ericksen, Helmhut Wedow, Jr., G. P. Eaton, and G. R. Leland, 1970 (pl. 1 is an aeromagnetic-geologic map at 1:63,360 scale)
I OF Rept. 72-391—Aeromagnetic map of the Jemez area, New Mexico, by the U.S. Geological Survey, 1972, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
J OF Rept. 71-288—Aeromagnetic map of part of south-central New Mexico, by U.S. Geological Survey, 1971, scale 1:62,500. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
K OF Rept. 73-290—Aeromagnetic map of an area northeast of Santa Fe, New Mexico, by U.S. Geological Survey, 1973, scale 1:62,500. Copies on file at 1, 2, 3, 4, 5, 6, 9. Reproductions may be ordered from 15
L OF Rept. 74-110—Aeromagnetic map of parts of the Silver City and Las Cruces 1° by 2° quadrangles, southwestern New Mexico, by U.S. Geological Survey, 1974, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 9. Reproductions may be ordered from 15 as may copies of the 12 scale 1:62,500 maps from which the 1:250,000 map was prepared
M OF Rept. 74-118—Aeromagnetic map of parts of the Socorro and Tularosa 1° by 2° quadrangles, southwestern New Mexico, by U.S. Geological Survey, 1974, scale 1:62,500. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
N OF Rept. 74-104—Aeromagnetic map of the Jicarilla–White Oaks area, Lincoln County, New Mexico, by U.S. Geological Survey, 1974, scale 1:62,500. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
O OF Rept. 75-183—Aeromagnetic map of an area east of Albuquerque, New Mexico, by U.S. Geological Survey, 1975, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
Q OF Rept. 75-185—Aeromagnetic map of an area north and east of Socorro, New Mexico, by U.S. Geological Survey, 1975, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
R OF Rept. 75-186—Aeromagnetic map of Albuquerque and vicinity, New Mexico, by U.S. Geological Survey, 1975, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
S OF Rept. 75-187—Aeromagnetic map of an area north of Albuquerque, New Mexico, by U.S. Geological Survey, 1975, scale 1:250,000. Copies on file at 1, 2, 3, 4, 5, 6, 7, 9. Reproductions may be ordered from 15
T Combined geophysical studies at Kilbourne Hole maar, New Mexico, by Lindrith Cordell, 1975, in New Mexico Geological Society, 55-
NOTE—Lettered and numbered areas refer to references listed in the text (p.
Activity maps and profiles of New Mexico

58); the index maps and colors are used only as aids in locating separate sheets.
Total intensity aeromagnetic maps of the following quadrangles are at 1 mile = 1 inch scale:


Aeromagnetic maps of the following quadrangles are at 1 mile = 1 inch scale:
35 GP-357—Central part of San Miguel County, by W. J. Dempsey, Frank Petrafeso, and others, 1963.

Map inspection locations
1. U.S. Geological Survey Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, Virginia 22092.
4. Federal Office Building, Rm. 8105, Salt Lake City, Utah 84138.
5. Federal Building, Rm. 169, 1961 Stout St., Denver, Colorado 80294.
6. Rm. I-C-45, 1100 Commerce St., Dallas, Texas 75242.
12. Custom House, Rm. 504, 555 Battery St., San Francisco, California 94111.
13. Federal Building, Rm. 7638, 300 N. Los Angeles St., Los Angeles, California 90012.

Geographic Names
by Stephen J. Frost, New Mexico Bureau of Mines and Mineral Resources Correspondent
U.S. Board on Geographic Names

This feature will appear regularly in New Mexico Geology and will present the decisions of the United States Board on Geographic Names that concern New Mexico geographic features.

A geographic name is the proper name or geographic expression by which a particular geographic entity is known. The name may be one or more words used consistently in spoken and written language to refer to a particular, relatively permanent place, feature, or area on the earth's surface, or to a conceptually related group of such places, features, or areas.

Geographic names given New Mexico places and features, such as mountains and rivers, help document the history of this state. Names are significant to any map user, but to those depending on a map for performance of duty, an erroneous name can be costly, confusing, and time consuming. Personal place names are often a source of pride to a family or a community; the misspelling, misapplication, or omission of such a name may cause distrust of the accuracy of an otherwise excellent map.

Mangas—Locality, 26 km (16 mi) southwest of Quemado; named for the Apache chief Mangas Colorados, who lived with his tribe in the area; Catron County; sec. 5, T. 25 S., R. 14 E., New Mexico Principal Meridian; 34° 09' 25" N., 108° 19' 07" W. not: Mangus.

Peña Blanca—Populated place, 35 km (22 mi) south of Los Alamos; Spanish name meaning "white rock"; Sandoval County; 35° 34' 15" N., 106° 20' 15" W. not: Peña Blanca, Penablanca.

Quemqzones, Rito de los—Stream, 3.2 km (2 mi) long, heads at 35° 31' 19" N., 105° 38' 48" W., flows to Bull Creek 3.5 km (2 mi) east of Santa Fe; Spanish name meaning "small river of the burned areas" in reference to a fire that occurred in this area about 1906; San Miguel County; sec. 2, T. 16 N., R. 13 E., New Mexico Principal Meridian; 35° 38' 48" N., 105° 32' W. not: Rito Jarosa, Rito Jaroso.

Bear Canyon—Canyon, 17.7 km (11 mi) long, heads at 34° 02' 00" N., 108° 17' 39" W., trends east-northeast to Nester Draw; 43 km (25 mi) southeast of Quemado; Catron County; sec. 12, T. 3 S., R. 13 W.; New Mexico Principal Meridian; 34° 03' 52" N., 108° 09' 03" W. not: Nester Draw.

New Drilling Directory

The directory lists in alphabetical order the firms that drill water wells, test holes, core holes, or founda
dation bores; gives addresses; details equipment available; and is indexed by county and type of equipment. Copies are available from W. K. Summers and Associates, Inc., or the BDM Corporation, 1801 Randolph Road SE, Albuquerque, NM 87106.