

LEGEND
(continued)

IGNEOUS ROCKS
(Areas of igneous rocks
are shown by patterns of
triangles and rhombs)

Basic dikes
(includes several allied
rocks the most common
being diorite-gabbro)

Dikes of
Calico Peak
porphyry
(monzonite porphyry
characterized by large
orthoclase crystals)

Calico Peak
porphyry
adamitized
(a porphyry formed
by solutary action
into a mass consisting
chiefly of albite)

Monzonite
(a granular rock form-
ing a large stock)

Pyroxenic
monzonite-
porphyry
(occurs in dikes)

Hornblende
monzonite-
porphyry
(the common intrusive
rock of the Rico Moun-
tains occurs in dikes
and sheets and small
laccoliths)

Faults
(doubtful location, indicated
by dashes)

Concealed faults
(covered by younger
deposits)

Sections
A—A'
B—B'
C—C'

Scale 1:62,500
Contour interval 100 feet.
Datum is mean sea level.
Corrected positions of meridians and parallels shown by intersections of dotted lines.
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Geology by Whitman Cross and Arthur C. Spencer,
assisted by Ernest Howe, J.D. Irving, and R.D. George.
Surveyed in 1897-8-9.

Legend is continued
on the left margin.

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LEGEND

Is
Landslides
(a confused mixture of
large and small blocks of
various formations
from the slopes above)

SEDIMENTARY ROCKS
(Areas of sedimentary
deposits are shown by
patterns of parallel lines,
subvertical deposits by
patterns of dots and
circles)

Calcareous tufa
(in terraces and mounds)

Torrential fans
(accumulations of loose
rock fragments at mouths
of ravines and gulches)

Alluvium
(sandy gravel and soils of
valleys)

Talus and wash

Mancos shale
(dark shale with local
calcareous and sandy
layers, fossiliferous,
includes Beaman and
Moberg formations and
part of the Tropic)

Dakota
sandstone
(indurated quartzose
sandstone with carbon-
aceous shale locally
containing coal)

Mc Elmo formation
(alternating sandstones
and shales)

La Plata sandstone
(massive white sandstone
with thin blue limestone
and calcareous shale)

UNCONFORMITY

Dolores formation
(calcareous shale and
conglomerate, locally
fossiliferous, prevailing
color bright red)

UNCONFORMITY

Cutler formation
(sandstone, gray conglom-
erate, and some calcare-
ous shale, prevailing
color red)

Rico formation
(sandstone, limestone, and
shale of red or gray color,
fossiliferous)

Hermosa
formation
(sandstone, shale, and
limestone of grayish
color, fossiliferous)

UNCONFORMITY

Ouray limestone
(white or light pink,
crystalline limestone,
with a few quartzite
layers, fossiliferous)

UNCONFORMITY

Ignacio
quartzite
(thin bedded, gray or pink,
wavy, quartzite, with local
markings on shaly partings)

UNCONFORMITY

Uncompahgre
formation
(massive white or gray
quartzite, locally
conglomeratic)

Metamorphic rocks
of unknown origin
(Areas of metamorphic
rocks of unknown origin
are shown by hachures)

Schist
(dense, bluish-gray rocks
with subparallel schistose
structure)

Legend is continued
on the left margin.

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