



EXPLANATION

- Qs
Surficial deposits
- QTs
Santa Fe Group
- Kph
Hosta Tongue of Point
Lookout Sandstone
- KcG
Kcd
Kmm
Kcdc
Crevasse Canyon Formation and Mancos Shale
Kcg, Gibson Coal Member of Crevasse Canyon
Formation
Kcd, Dalton Sandstone Member of Crevasse Canyon
Formation
Kmm, Mulatto Tongue of Mancos Shale
Kcdc, Dilco Coal Member of Crevasse Canyon Forma-
tion
- Kg
Gallup Sandstone
- Km
Mancos Shale
- Kd
Dakota Sandstone
- Jm
Morrison Formation
- Jb
Bluff Sandstone
- Js
Summerville Formation
- Jt
Todilto Limestone

Dashed where approximately located; queried where
existence uncertain

Trace of resistant or conspicuous bed within
a formation

Fault, showing dip
Dashed where approximately located; dotted where
concealed; queried where probable. U, upthrown
side; D, downthrown side

Approximate trace of anticlinal bend of monocline
Longer arrow indicates steeper dip

Approximate trace of synclinal bend of monocline
Shorter arrow indicates flatter dip

Linear feature uninterpretable on photograph
May be geologically significant

Strike and dip of beds
Based on field measurement

Strike and dip of beds
Computed by photogrammetric methods

Approximate strike and dip of beds
Based on photointerpretation

Horizontal bed

Mine

Building

Water hole

Primary road

Secondary road

Trail

Spot elevation

Intermittent pond

TERTIARY
QUATERNARY

CRETACEOUS

JURASSIC

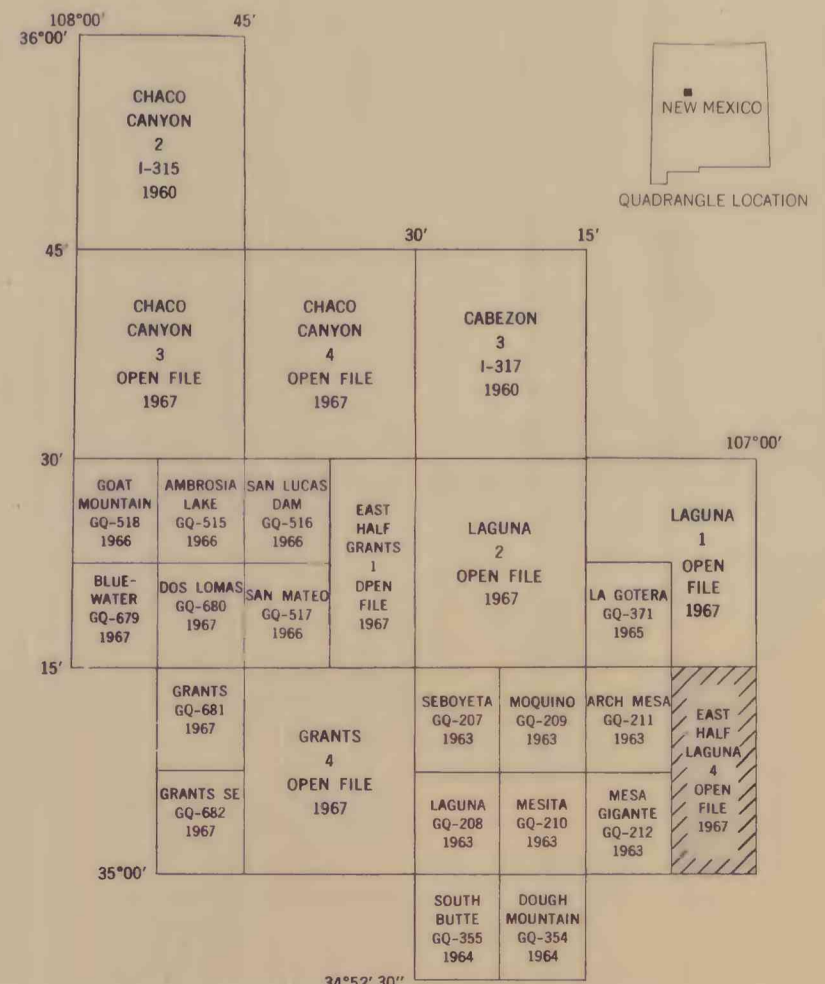
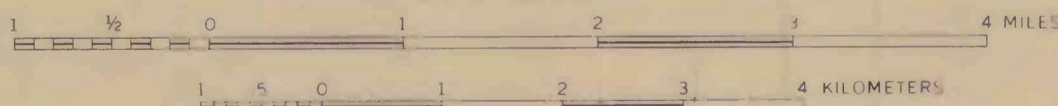
Base from U.S. Geological Survey
Cañoncito School and Herrera 1:24,000; 1954
Roads are classified as follows: Primary roads are main-
tained and graded, traversable by two-wheel-drive vehicles;
secondary roads are traversable by four-wheel-drive vehi-
cles and locally by two-wheel-drive vehicles; trails are not
traversable by vehicles, except locally. Where other
information is lacking, roads are classified by their
appearance on aerial photographs

Geologic and geographic data from U.S. Geol. Survey
Bull. 860, 1936, Geol. Soc. America Bull., v. 57, no. 5,
p. 383-456, 1946
This map has been compiled mainly from photogeologic
data and has not been field checked
Geologic photointerpretation from aerial photographs
taken in 1954. Mapped in 1958

PHOTOGEOLOGIC MAP
OF THE
EAST HALF OF THE LAGUNA 4 QUADRANGLE
BERNALILLO, SANDOVAL, AND VALENCIA COUNTIES,
NEW MEXICO

By
W. R. Hemphill

SCALE 1:62,500



INDEX TO MAPS ISSUED BY THE U.S. GEOLOGICAL SURVEY,
SHOWING SERIES DESIGNATION (GQ, GEOLOGIC QUADRANGLE;
I, MISCELLANEOUS GEOLOGIC INVESTIGATIONS; OPEN FILE)
AND DATE OF RELEASE

W. R. Hemphill