

EXPLANATION

Symbol queried on map where identification uncertain

QUATERNARY

- Qs: Surficial deposits

TERTIARY

- Ti: Intrusive rocks
- Te*: Sheet eruptive rocks (Location of volcanic vents on lava flows indicated by *)
- Ta: Porphyritic andesite
- Kmf: Menefee Formation
- Kp, Kms, Kph: Point Lookout Sandstone and Mancos Shale (Kp, main body of Point Lookout Sandstone; Kms, Satan Tongue of Mancos Shale; Kph, Hosta Tongue of Point Lookout Sandstone)

CRETACEOUS

- 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 Formation)
- Kg: Gallup Sandstone
- Km: Mancos Shale

Contact

- Dashed where approximately located; queried where presence uncertain

Trace of resistant or conspicuous bed within a formation

- U: Fault (Dashed where approximately located; queried where probable; dotted where concealed; U, upthrown side; D, downthrown side)

Linear feature

- Geologic significance uncertain from photointerpretation

Strike and dip of beds

- Computed by photogrammetric methods
- Approximate strike and dip of beds (Based on photointerpretation)
- Inferred strike and dip of bed rock (Based on photointerpretation of areas where bedding is obscure)

National forest boundary

- Approximate location

Roads

- Primary road
- Secondary road
- Trail

Other symbols

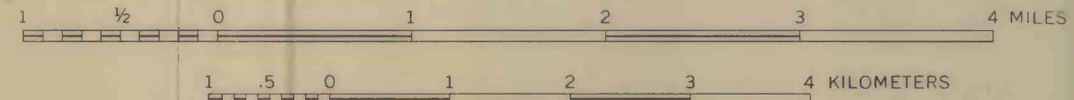
- Spot elevation
- Intermittent pond

Base modified from U.S. Army Map Service Albuquerque, New Mexico, 1956.
Roads are classified as follows: Primary roads are maintained and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable by four-wheel-drive vehicles and locally by two-wheel-drive vehicles; trails are not traversable by vehicles except locally. When other information is lacking, roads are classified by their appearance on aerial photographs.

**PHOTOGEOLOGIC MAP
OF THE
LAGUNA 2 QUADRANGLE
MC KINLEY, SANDOVAL AND VALENCIA
COUNTIES, NEW MEXICO**

By
R. J. Hackman

SCALE 1:62 500



Geologic and geographic data from U.S. Geol. Survey Bull. 860-B, 1936; U.S. Geol. Survey Prof. Paper 189, 1938; U.S. Geol. Survey Misc. Geol. Inv. Map I-224, 1957.
This map has been compiled mainly from photogeologic data and has not been checked in the field. Geologic photointerpretation from aerial photographs taken in February and May 1954. Mapped in 1955.

108°00'	45'	CHACO CANYON 2 I-315 1960		
45'	30'	15'	CHACO CANYON 3 OPEN FILE 1967	CHACO CANYON 4 OPEN FILE 1967
30'	15'	107°00'	CABEZON 3 I-317 1960	LAGUNA 1 OPEN FILE 1967
15'	30'	15'	LAGUNA 2 OPEN FILE 1967	LAGUNA 4 OPEN FILE 1967
15'	15'	15'	LAGUNA 3 OPEN FILE 1967	LAGUNA 4 OPEN FILE 1967
35°00'	34°52' 30"	34°52' 30"	LAGUNA 4 OPEN FILE 1967	LAGUNA 4 OPEN FILE 1967

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