

EXPLANATION

Qal Qc Qtie
Alluvium Colluvium Basalt, and Dakota Sandstone and Mancos Shale that have eroded in unusual topographic form as a result of intrusions and/or alteration

Kmf
Mancos Formation

Kp Kms Kph
Kp, Point Lookout Sandstone
Kms, Satan Tongue of Mancos Shale
Kph, Hosta Tongue of Point Lookout Sandstone

Keg Keda Kcs Kde
Gibson Coal Member
Dalton Sandstone Member
Stray Sandstone
Dilco Coal Member

Kg3 Kg2 Kg1
Kg3, main body of Gallup Sandstone
Kg2, a middle tongue of Gallup Sandstone and overlying tongue of Mancos Shale, where the Mancos tongue has not been mapped separately
Kg1, a lower tongue of Gallup Sandstone (or the upper part of the Juana Lopez member of the Mancos Shale) and overlying tongue of Mancos Shale, where the Mancos tongue has not been mapped separately

Kmj Km
Km, Mancos Shale
Kmj, Juana Lopez Member, lower part; Kmjl

kdt Kmsh Kd
Kdt, Twowells Sandstone Member of Dakota Sandstone of Pike, 1947 and Owen, 1966
Kmsh, Tongue of Mancos Shale (Whitewater Annuage Shale of Owen, 1966)
Kd, Dakota Sandstone

Jm
Morrison Formation

SOURCES OF GEOLOGIC DATA

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PHOTOGEOLOGIC MAP
OF THE
HOSTA BUTTE QUADRANGLE
(and adjacent area to the south)
MC KINLEY COUNTY, NEW MEXICO

By
A. B. Olson

SCALE 1:62,500

1 1/2 0 1 2 3 MILES

This map has been compiled from the sources of geologic data listed and from photogeologic data. It has not been checked in the field.

Geologic photointerpretation from aerial photographs taken in 1967. Mapping completed 1967.

Base modified from U.S. Army Map Service, Gallup, New Mexico, Arizona, 1963.

