THE UNIVERSITY OF TEXAS
BUREAU OF ECONOMIC GEOLOGY
PETER T. FLAWN, DIRECTOR

QUADRANGLE MAP NO. 26
EAGLE MOUNTAINS
TEXAS

GEOLOGIC MAP OF EAGLE MOUNTAINS AND VICINITY, HUDSPETH COUNTY, TEXAS

By James R. Underwood, Jr.

1963

Base from aerial photographs
Control by USGS and USC&GS
Polyconic projection, 1927 North American Datum

Cartographer, James W. Macon
Photogrammetry by Dan F. Scranton

SCALE 1:48000

1 0 1 2 3 4 5 MILES

5000 0 5000 10000 15000 20000 25000 FEET

INDEX MAP

EXPLANATION

Alluvium
Qal, Rio Grande floodplain and channel; Qal, general floodplains and channels, other than Rio Grande; Qal, undifferentiated alluvium

Terrace Gravel
Qg, highest pediment gravel; Qg, undifferentiated pediment gravel

QTg, older gravel; QTb, widespread fill; gravel over highlands; sand, silt, and clay in lowlands

Windblown Sand

QUATERNARY

EXTRUSIVE AND INTRUSIVE ROCKS
(Correlation of units between areas undetermined)

EAGLE MOUNTAINS	NORTHERN INDIO MTNS AND DEVIL RIDGE	SOUTHERN INDIO MTNS
Late Rhyolite Dikes	Rhyolite Dikes and Sills	
Diabase Dikes	Quartz Latite Porphyry Sill	
Eagle Peak Syenite		
Upper Rhyolite		
Trachyte Porphyry		
Lower Rhyolite		

Carrizo Mountain Group: Pantera Trachyte; Hogeye Tuff (Ttuf, upper tuff; Ttrc, middle trachyte; Tttu, upper tuf)

Late Eocene and Oligocene — TERTIARY

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Gulf Series — Comanche Series — CRETACEOUS

Chispa Summit Formation
Flaggy limestone and siltstone, sandstone

Buda Limestone

Eagle Mountains Sandstone

Espy Limestone

Benevides Formation
Marl and sandstone

Finlay Limestone

Cox Sandstone

Bluff Formation
Limestone and sandstone

Yucca Formation
Conglomerate, sandstone, siltstone and limestone

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Wolfcamp Series — PERMIAN

Hueco Limestone
Ph, limestone; Php, Powwow Conglomerate Member

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Carrizo Mountain Group — PRECAMBRIAN

Amphibolite

Interlayered slate, phyllite and limestone

Interlayered phyllite, schist and metaquartzite

Meta-arkose

Metaquartzite

Prospect

Mine

Shaft

Contact
Dashed where inferred

Fault
U, upthrown side; D, downthrown side; dotted where concealed, dashed where inferred

Thrust fault
T, overthrust side; dotted where concealed, dashed where inferred

Transverse fault
Arrows show apparent movement; dotted where concealed, dashed where inferred

Anticline
Arrow shows plunge of axis; dotted where concealed

Overturned anticline
Arrow shows plunge of axis; dotted where concealed

Syncline
Arrow shows plunge of axis; dotted where concealed

Overturned syncline
Arrow shows plunge of axis

Measured section and number

Strike and dip of beds

Strike and dip of overturned beds

Eagle 2
Triangulation station

BM 4710
Bench mark and elevation

Windmill

Tank
Concrete or metal

Tank
Earth-dammed pond for water storage

Erosion control dams

Fence

Water well
Dry or abandoned

Inset of Spar Valley Area
(K,13 and L,13)

Section C-C'
Section E-E'
Section G-G'
Section B-B'
Section D-D'
Section F-F'
Section H-H'
Section A-A'

APPROXIMATE MEAN DECLINATION 1961
TRUE NORTH
MAGNETIC NORTH
11° 59'