UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 599-H
PLATE 3

EXPLANATION

CRETACEOUS

Lower Cretaceous

- Qac — Alluvium and colluvium
- mb — Mixed breccia
- Kwf — Lower part of Washita Group and Fredericksburg Group. *Includes Edwards Limestone, Kiamichi Formation, Duck Creek Limestone, and Georgetown Limestone*
- Kb — Basal Cretaceous sandstone. *As mapped, may include the Bissett Conglomerate*

PERMIAN

Upper Permian

- Pts — Tessey Limestone. *Pts, sandstone beds*
- Pgs/Pg — Gilliam Limestone. *Pgs, sandstone beds*

Lower Permian

- Pwv — Word Formation. *Pwv, Vidria Limestone Member; Pws, sandstone member; Pwl, limestone member*

CRETACEOUS-QUATERNARY OR TERTIARY

PERMIAN

Lower Permian

- Pcm — Cathedral Mountain Formation
- Ph / Phv — Hess Formation as used by King (1930). *Phv, varicolored beds*

Contact, showing dip. *Long dashed where approximately located; short dashed where indefinite; dotted where concealed*

Form line, showing dip. *Drawn on bedding-plane surface or contact between intraformational groups of distinctive beds. Dashed where approximately located*

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

Thrust fault. *Dashed where approximately located; dotted where concealed; queried where doubtful. Sawteeth on upper plate*

Normal — Overturned — Inverted Anticline. *Showing position of crest and direction and amount of plunge. Dashed where approximately located*

Normal — Overturned — Inverted Syncline. *Showing position of trough and direction and amount of plunge. Dashed where approximately located*

Anticline — Syncline. Minor fold axis, showing plunge

Inclined — Vertical — Horizontal — Overturned. Strike and dip of beds

Structure sections shown on plate 4

102°55′ 185 190 195 200 355 350 345 340 30°35′ 180

Base compiled from low-altitude photos by U.S. Geological Survey, 1965

Geology of central uplift by H. G. Wilshire, T. W. Offield, and Keith A. Howard, 1964–67; geology of outer rim by David Cummings, 1966–67

SCALE 1:6000

1 MILE

1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

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GEOLOGIC MAP OF THE CENTRAL UPLIFT OF SIERRA MADERA, PECOS COUNTY, TEXAS