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

GEOLOGIC QUADRANGLE MAP NO. 30
BLACK GAP AREA
TEXAS

# GEOLOGIC MAP OF BLACK GAP AREA, BREWSTER COUNTY, TEXAS

Scale 1:62,500

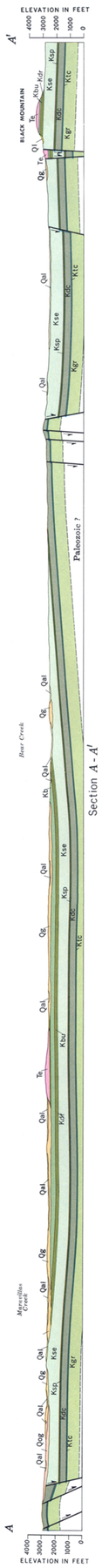
1 0 1 2 3 4 5 MILES

1965

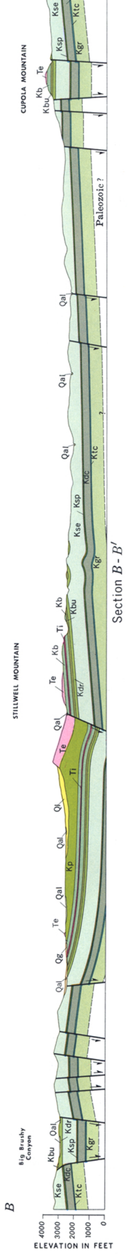
Geology by Bill St. John, 1964–1965
Cartographer, James W. Macon
Photogrammetry by Dan F. Scranton

Base from aerial photographs
Control by U.S.G.S. and U.S.C. & G.S.
Polyconic projection, North American Datum

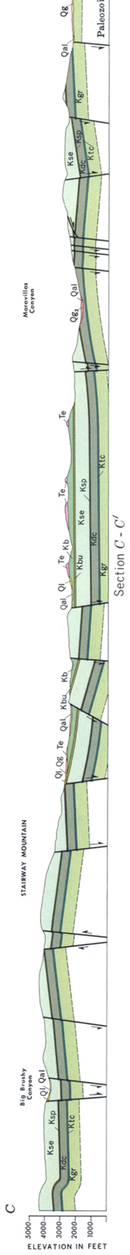
Section A - A'



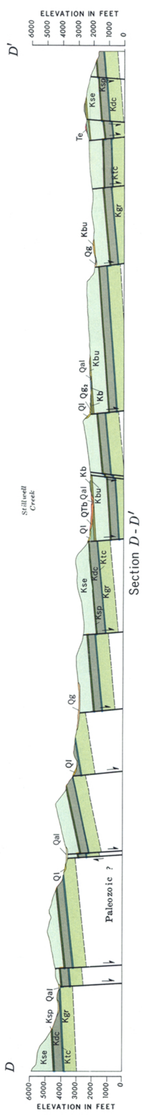

Section B - B'




Section C - C'




Section D - D'




## EXPLANATION

- Qal — Alluvium
- Ql — Landslide debris
- Qg, Qg1, Qg2, Qg3 — Gravel
  Qg1, *highest pediment gravel*; Qg2, *undifferentiated gravel*. *Mostly limestone cobbles*
- Qog — Older gravel
  *Mostly igneous rock, chert pebbles, and boulders; often cemented by caliche*
- QTb — Bolson fill
  *Silty clay with interbedded gravel*
- Te — Extrusive basalt
- Ti, Ta — Intrusive igneous rock and Ta, agglomerate

QUATERNARY / TERTIARY

***UNCONFORMITY***

Gulf Series — Comanche Series — CRETACEOUS

- Kp — Pen Clay
- Kb — Boquillas Formation
- Kbu — Buda Formation
- Kdr — Del Rio Formation (absent to east)
- Kse — Santa Elena Limestone
- Ksp — Sue Peaks Formation
- Kdc — Del Carmen Limestone
- Ktc — Telephone Canyon Formation
- Kgr — Glen Rose Limestone

- Fault
  u, *upthrown side*; d, *downthrown side; dotted where concealed; dashed where inferred*
- Thrust fault
  T, *overthrust side*
- 62 — Fault, showing dip
- Anticline
  *Arrow shows plunge of axis*
- Syncline
  *Arrow shows plunge of axis*
- Monocline
- 32 — Strike and dip of beds
- Strike of vertical beds
- 75 — Strike and dip of joints
- Strike of vertical joints
- 1 — Measured section and number
- Prospect
- River
- Triangulation station
- Windmill
- Tank
  *Dammed pond for water storage*
- Stock tank
  *Steel or concrete*

TRUE NORTH
MAGNETIC NORTH
10°45'E
APPROXIMATE MEAN DECLINATION 1965

TEXAS

QAe234