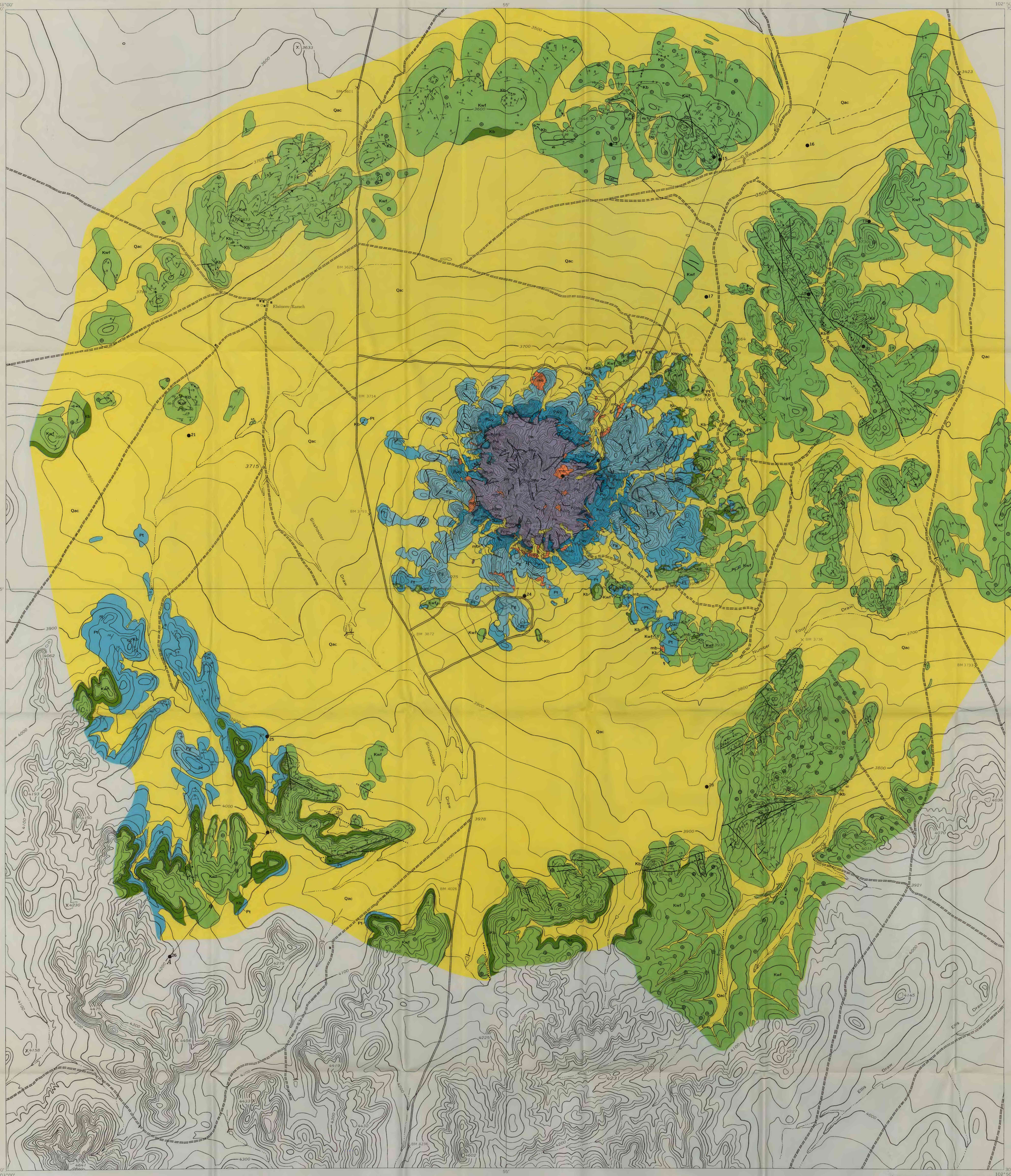


Base from U.S. Geological Survey, 1965

APPROXIMATE MEAN DECLINATION, 1972

SCALE 1:24 000

CONTOUR INTERVALS 25 FEET
DATUM IS MEAN SEA LEVEL

QUADRANGLE LOCATION

Geology by H. G. Wilshire, T. W. Offield, Keith A. Howard, and David Cummings, 1964–67. Includes preliminary mapping of a small area by E. M. Shoemaker, 1961

EXPLANATION

QUATERNARY

- **Qac** — Alluvium and colluvium
- **mb** — Mixed breccia

CRETACEOUS

Lower Cretaceous

- **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

- **Pt** — Tessey Limestone
- **Pg** — Gilliam Limestone

Lower Permian

- **Pwv** / **Pw** — Word Formation
  Pwv, *Vidrio Limestone Member*
- **Pcm** — Cathedral Mountain Formation
- **Phv** / **Ph** — Hess Formation as used by King (1930)
  Includes varicolored beds (Phv) *and top of anhydrite member*
- **Pwc** — Wolfcamp Formation as used by King (1930)
  Shown only in section

Contact

Fault, showing dip
Bar and ball on downthrown side. Dotted where concealed

Anticline
Showing position of crest and direction of plunge; dotted where concealed

Syncline
Showing position of trough and direction of plunge; dotted where concealed

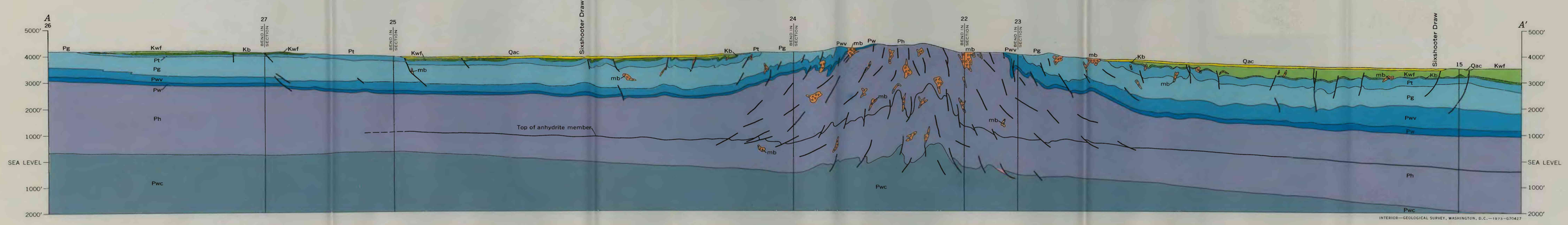
Inclined — Horizontal — Vertical
Strike and dip of beds

Anticline — Syncline
Minor fold axis, showing plunge

20
Oil well

IDENTIFICATION OF WELLS

13 Hunt Oil Elsinore 19
14 Hunt Oil Elsinore 41
15 Hunt Oil Elsinore 51
16 Hunt Oil Elsinore 18
17 Hunt Oil Elsinore 37
18 Hunt Oil Elsinore 40
19 Hunt Oil Elsinore 36
20 Hunt Oil Elsinore 32
21 Hunt Oil Elsinore 9
22 Phillips Petroleum Elsinore 1
23 Thompson (full name of operator not known) Elsinore 1
24 Hunt Oil Elsinore 48
25 Hunt Oil Elsinore 52
26 Hunt Oil Fulk 1
27 Hunt Oil Elsinore 53
28 Hunt Oil Elsinore 57



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1973—G70427

GEOLOGIC MAP AND SECTION OF SIERRA MADERA, PECOS COUNTY, TEXAS