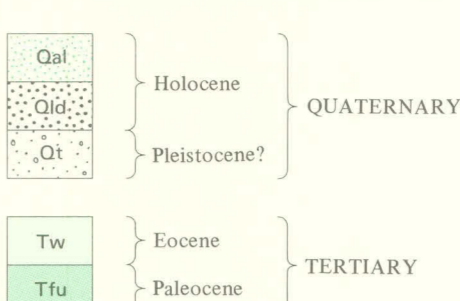




CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

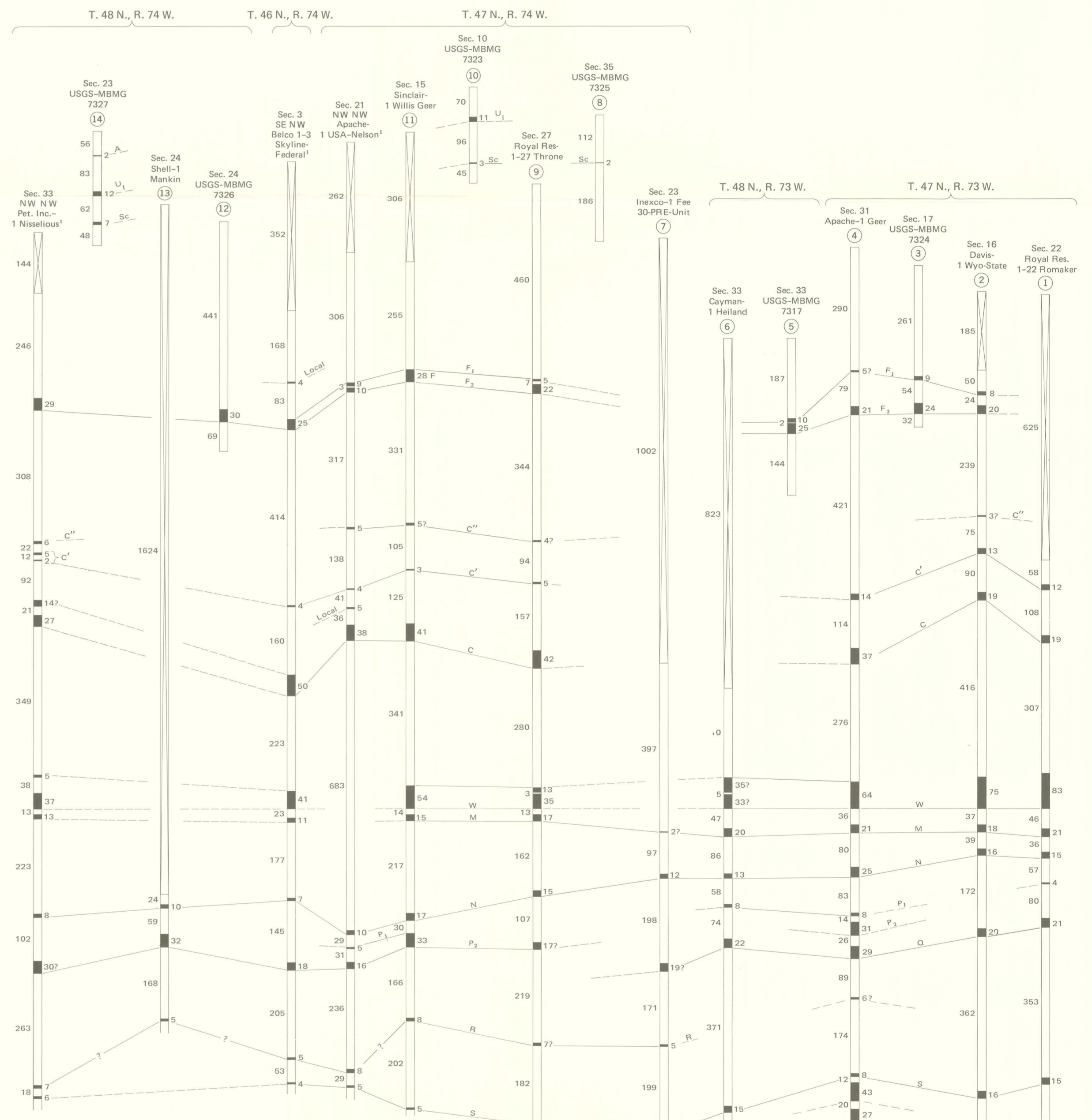
- Qal** ALLUVIUM (HOLOCENE) - Valley fill consisting mainly of reworked local sediments
- Ql** LAG DEPOSITS (HOLOCENE) - Consisting of blocks as large as 10 feet (3 m) in diameter of very well indurated, medium- to coarse-grained sandstone from the Oligocene White River Formation. Cavities in the blocks indicate the sandstone contains pebbles up to 3 inches (7.6 cm) in diameter
- Ql** TERRACE DEPOSITS (PLEISTOCENE?) - Gravels up to 20 feet (6.1 m) thick consisting mainly of interstitial sand, well-indurated sandstone, quartzite, chert, and granite pebbles and cobbles up to 1 foot (0.3 m) in diameter. Commonly found as thin patches capping indistinct terraces, but locally capping well-formed terraces. Deposits are present along major drainages
- Tw** WASATCH FORMATION (EOCENE) - Interbedded sandstone, shale, and coal. The sandstone and shale are generally poorly consolidated. Some of the sandstone is coarse grained and contains pebbles and cobbles up to 1 inch (2.5 cm) in diameter. The Lower Ulm coal bed and two thin coal beds crop out in this quadrangle. About 500 feet (152 m) of section is exposed
- Tfu** FORT UNION FORMATION (PALEOCENE) - Shown in cross section only

- A** BAKED AND FUSED ROCK - Trace of burned coal bed, dashed where approximately located, short dashed where inferred. Letter identifies coal bed. Pattern indicates inferred extent of burn
- 3000** STRUCTURE CONTOURS - Drawn on base of N coal bed. Contour interval 40 feet (12.2 m). Datum is mean sea level
- +** ANTICLINE - Showing surface trace of axis; short dashed where inferred
- DIP COMPONENT**
- +** OPEN PIT COAL MINE
- DRILL HOLES - Used in subsurface interpretation. Index number refers to coal sections
- Dry hole
- USGS-MBMG test hole

- U<sub>1</sub>** COAL BED - Dashed where approximately located; short dashed where inferred; dotted where concealed. Letter denotes coal bed name. Thickness of coal, in feet, measured at triangle, calculated by method of Smith and others (1913, p. 72-73) and Bass, Smith, and Horn (1970, p. 6)

REFERENCES

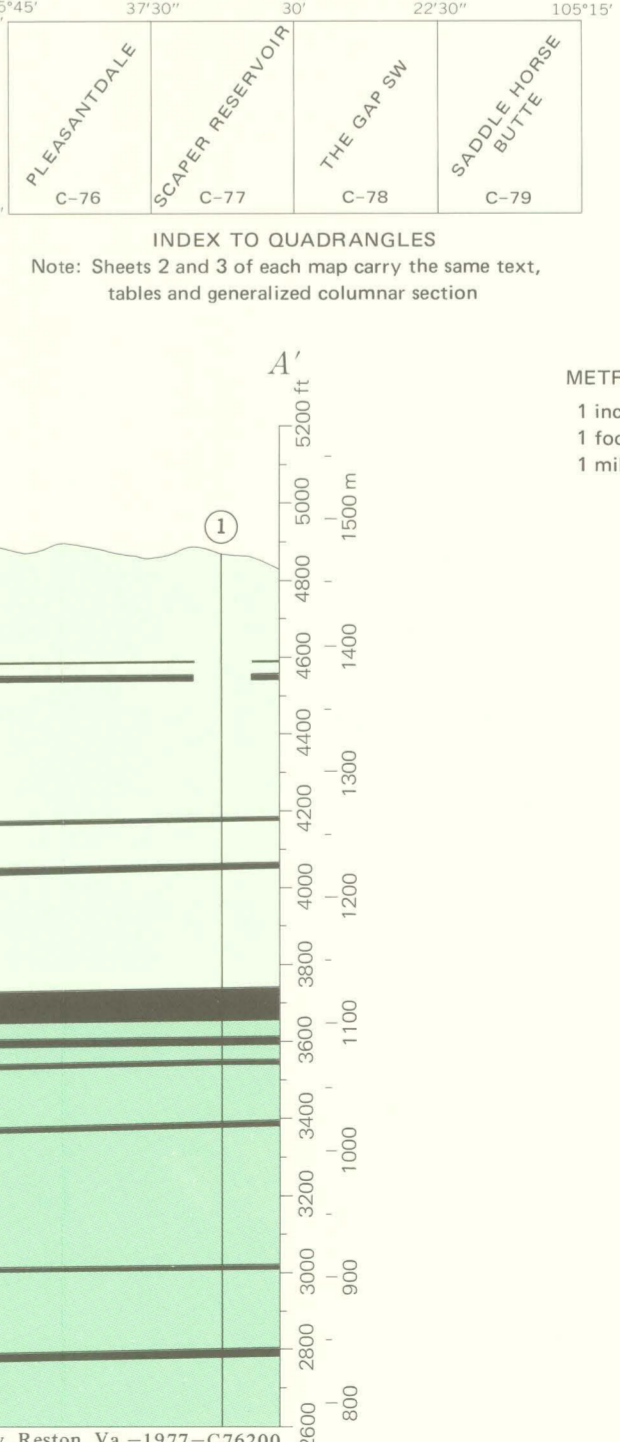
- Bass, N. W., Smith, H. L., and Horn, G. H., 1970, Standards for the classification of public coal lands: U.S. Geol. Survey Circ. 633, 10 p.
- Smith, G. O., and others, 1913, The classification of the public lands: U.S. Geol. Survey Bull. 537, 197 p.



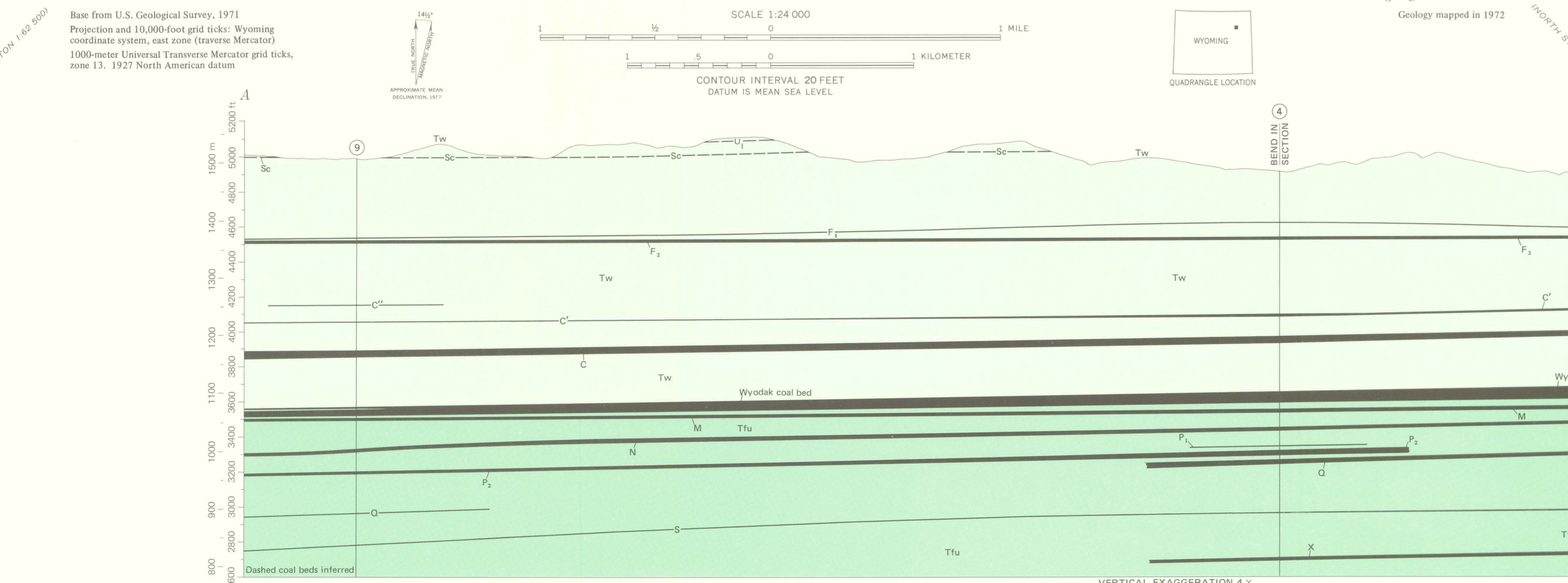
EXPLANATION FOR COAL SECTIONS

- METERS FEET** scale from 0 to 1500
- Sec. 24** Well-1 Operator and well name
- 13** Index number, shown on map
- Coal, no record
- No coal
- Possible coal
- Coal thickness and bed identification
- All measurements in feet
- Subsurface data compiled as of August 1973
- Data from oil and gas test holes in adjoining quadrangles west and south of Pleasantdale quadrangle

COAL INDEX



METRIC CONVERSIONS  
1 inch=2.54 centimeters  
1 foot=0.3048 meter  
1 mile=1.6 kilometers



GEOLOGIC MAP AND COAL RESOURCES OF THE PLEASANTDALE QUADRANGLE, CAMPBELL COUNTY, WYOMING

By  
S. L. Graziis  
1977