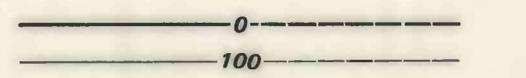
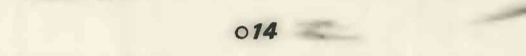
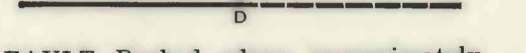


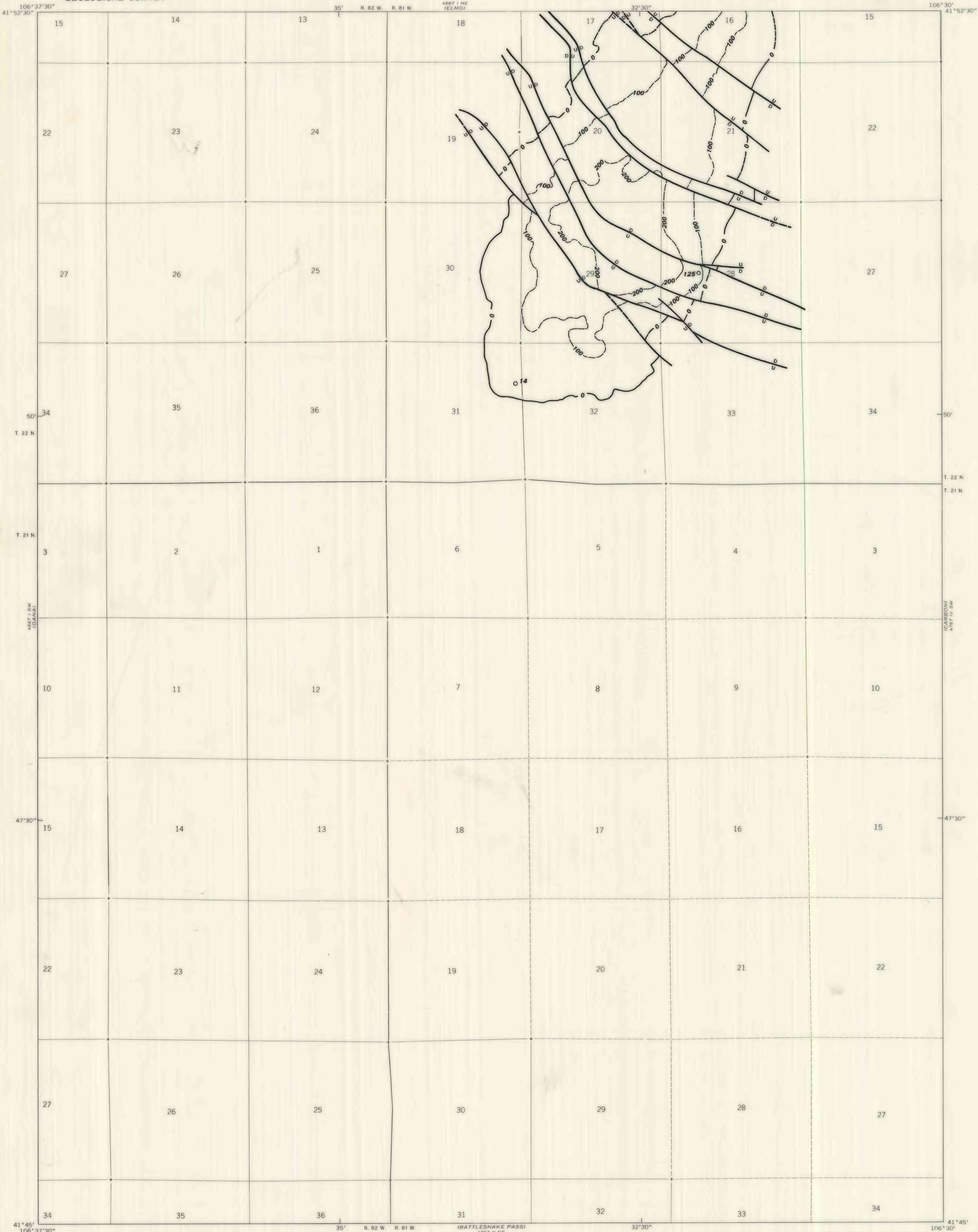
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

HANNA QUADRANGLE  
WYOMING-CARBON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE-4 HANNA 15' QUADRANGLE

EXPLANATION

-  0-100
  - OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 100 feet (30.4m). Dashed where inferred.
  -  014
  - DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Drill holes which do not intersect top of coal bed or from which bed elevation could not be determined are not shown.
  -  U  
D
  - FAULT—Dashed where approximately located. U, upthrown side; D, downthrown side.
- To convert feet to meters, multiply feet by 0.3048.

**OPEN FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.



Base map from U.S. Geological Survey, 1971

Scale 1:24,000

Compiled in 1977 by TEXAS INSTRUMENTS INCORPORATED

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

**COAL RESOURCE OCCURRENCE MAP OF THE HANNA QUADRANGLE,  
CARBON COUNTY, WYOMING  
BY  
TEXAS INSTRUMENTS INCORPORATED  
1978**