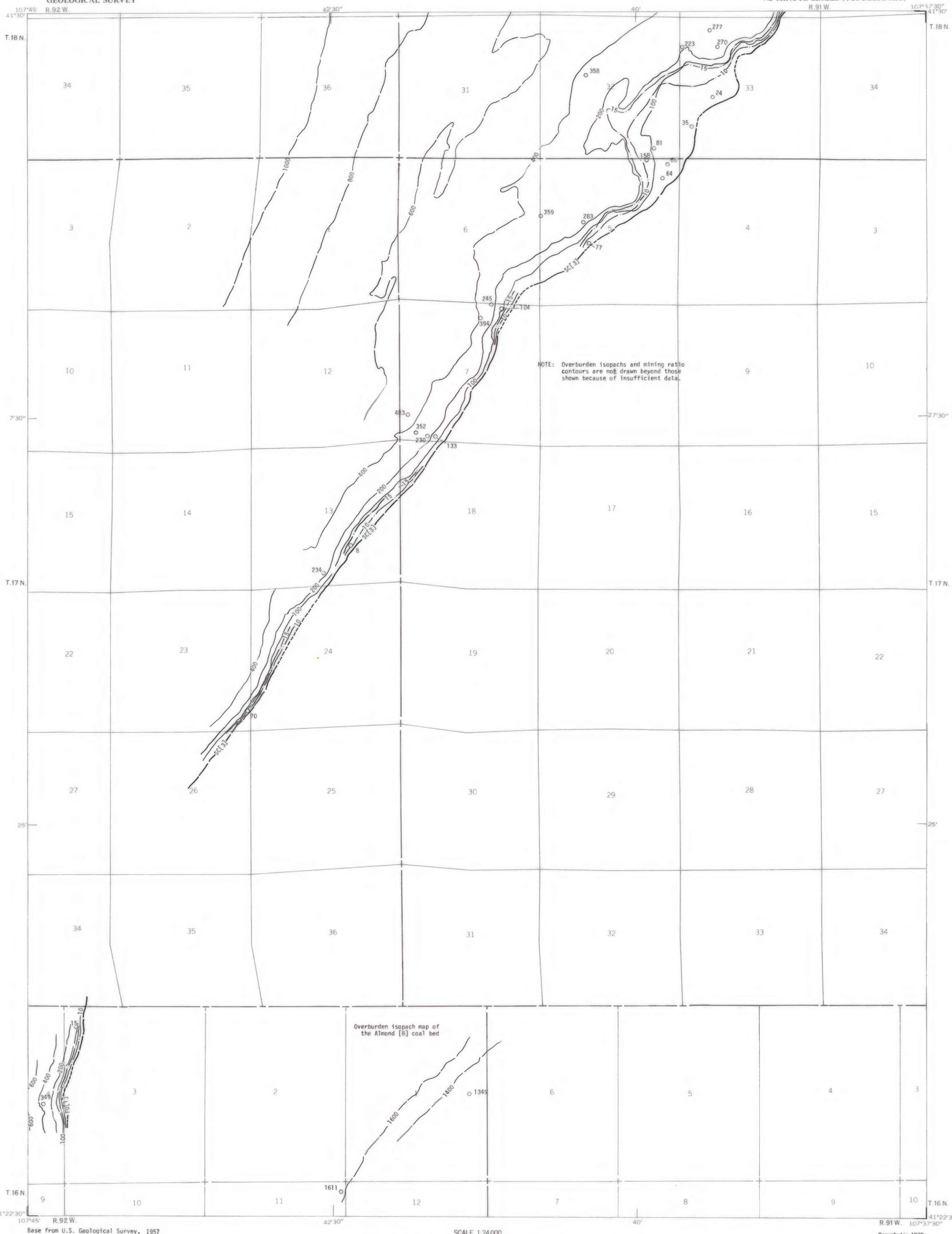


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NORTHWEST DOTY MOUNTAIN QUADRANGLE  
WYOMING-CARBON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



EXPLANATION

100  
OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval 100 feet (31 m) over strip-pable coal and 200 feet (61 m) beyond the stripping-limit line.

DRILL HOLE - Showing thickness of overburden, in feet, from surface to top of coal bed.

15  
MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

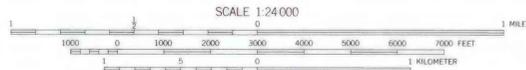
SC[3] - Separation Creek [3]  
FU[1] - Fort Union [1]  
COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

SC[3] - - - -  
TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors.

To convert feet to meters, multiply feet by 0.3048.

NOTE: Overburden isopachs and mining ratio contours are not drawn beyond those shown because of insufficient data.

Overburden isopach map of the Almond [8] coal bed



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

**COAL RESOURCE OCCURRENCE MAP OF THE NORTHWEST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING**  
BY  
**DAMES & MOORE**  
1979

PLATE 21  
OVERBURDEN ISOPACH AND MINING RATIO MAPS OF THE ALMOND [8] AND SEPARATION CREEK [3] COAL BEDS AND OF THE FORT UNION [1] COAL BED