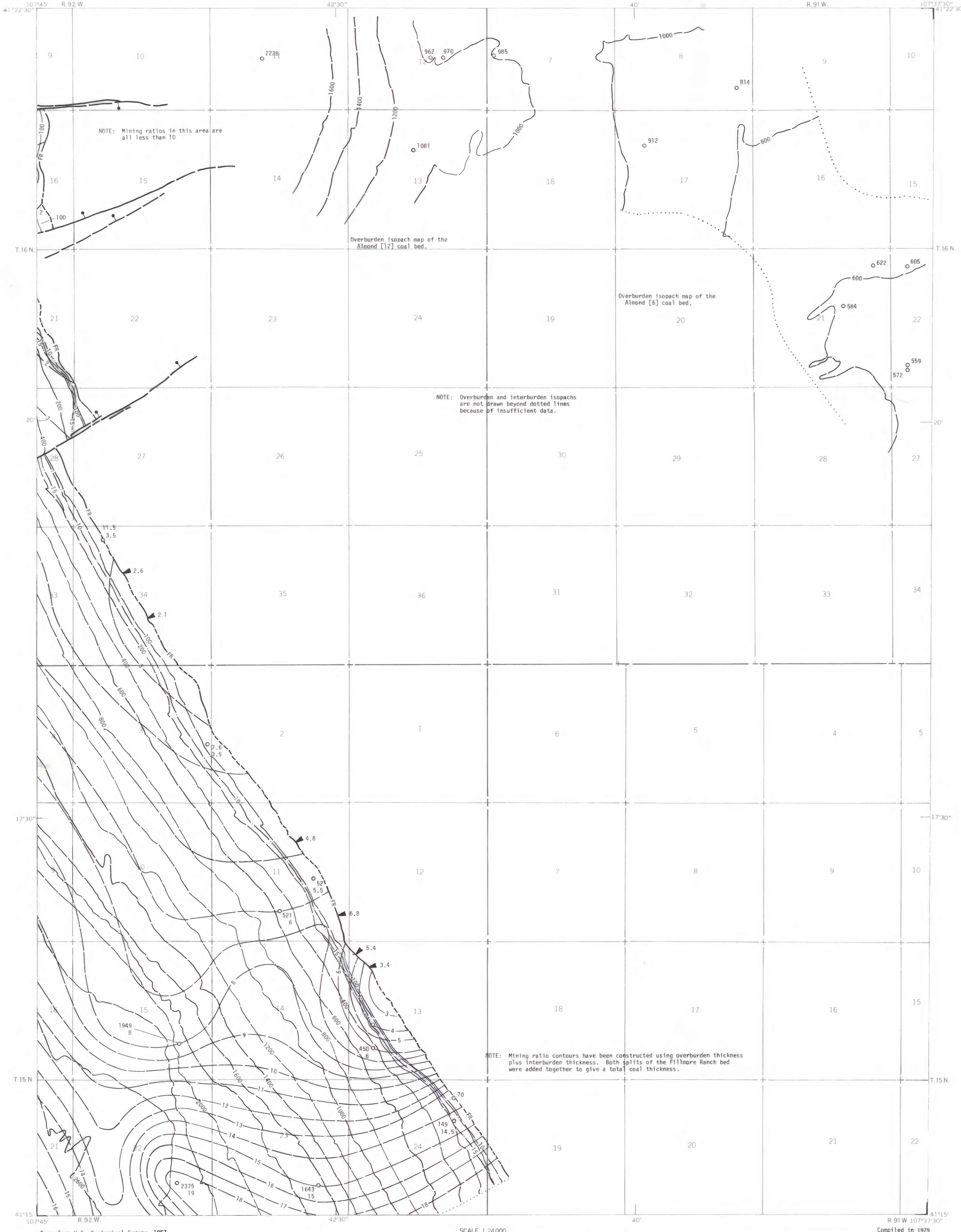


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

PLATE 21 OF 27



- EXPLANATION**
- 200 ———  
OVERBURDEN ISOPACH - 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.
  - 1081 ○ 450  
○ 6  
DRILL HOLE - Showing thickness of overburden, in feet, from surface to top of coal bed and thickness of interburden, in feet, between upper and lower coal bed splits.
  - ▲ 5.4  
POINT OF MEASUREMENT - Showing thickness of interburden, in feet, between the upper and lower splits of the FR bed.
  - 8 ———  
INTERBURDEN ISOPACH - Showing thickness of interburden between the upper and lower coal bed splits. Isopach interval 1 foot.
  - 10 ———  
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.
  - FR  
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.
  - FR - Fillmore Ranch  
COAL BED SYMBOL AND NAME - Coal bed identified by bracketed numbers is not formally named, but is numbered for identification purposes in this quadrangle only.
  - |—  
TRACE OF FAULT - Bar and ball on down-thrown side when direction of movement is

NOTE: Mining ratios in this area are all less than 10

Overburden isopach map of the Almond [12] coal bed.

Overburden isopach map of the Almond [6] coal bed.

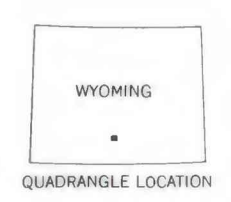
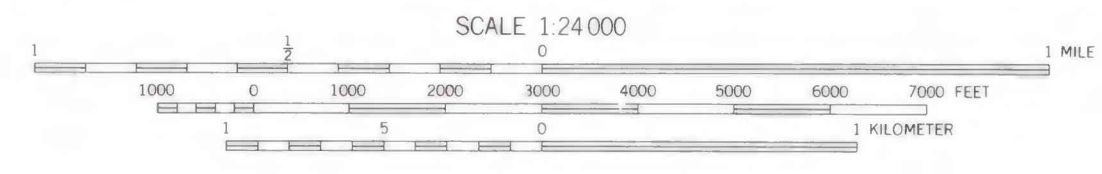
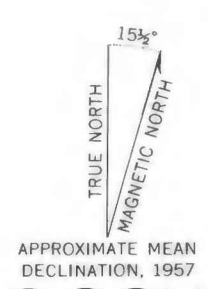
NOTE: Overburden and interburden isopachs are not drawn beyond dotted lines because of insufficient data.

NOTE: Mining ratio contours have been constructed using overburden thickness plus interburden thickness. Both splits of the Fillmore Ranch bed were added together to give a total coal thickness.

Base from U.S. Geological Survey, 1957

Compiled in 1979

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



# COAL RESOURCE OCCURRENCE MAP OF THE SOUTHWEST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING

BY  
**DAMES & MOORE**  
1979

PLATE 21

OVERBURDEN ISOPACH MAPS OF THE ALMOND [6], ALMOND [12] COAL BEDS AND OVERBURDEN AND INTERBURDEN ISOPACH AND MINING RATIO MAP OF THE FILLMORE RANCH COAL BED