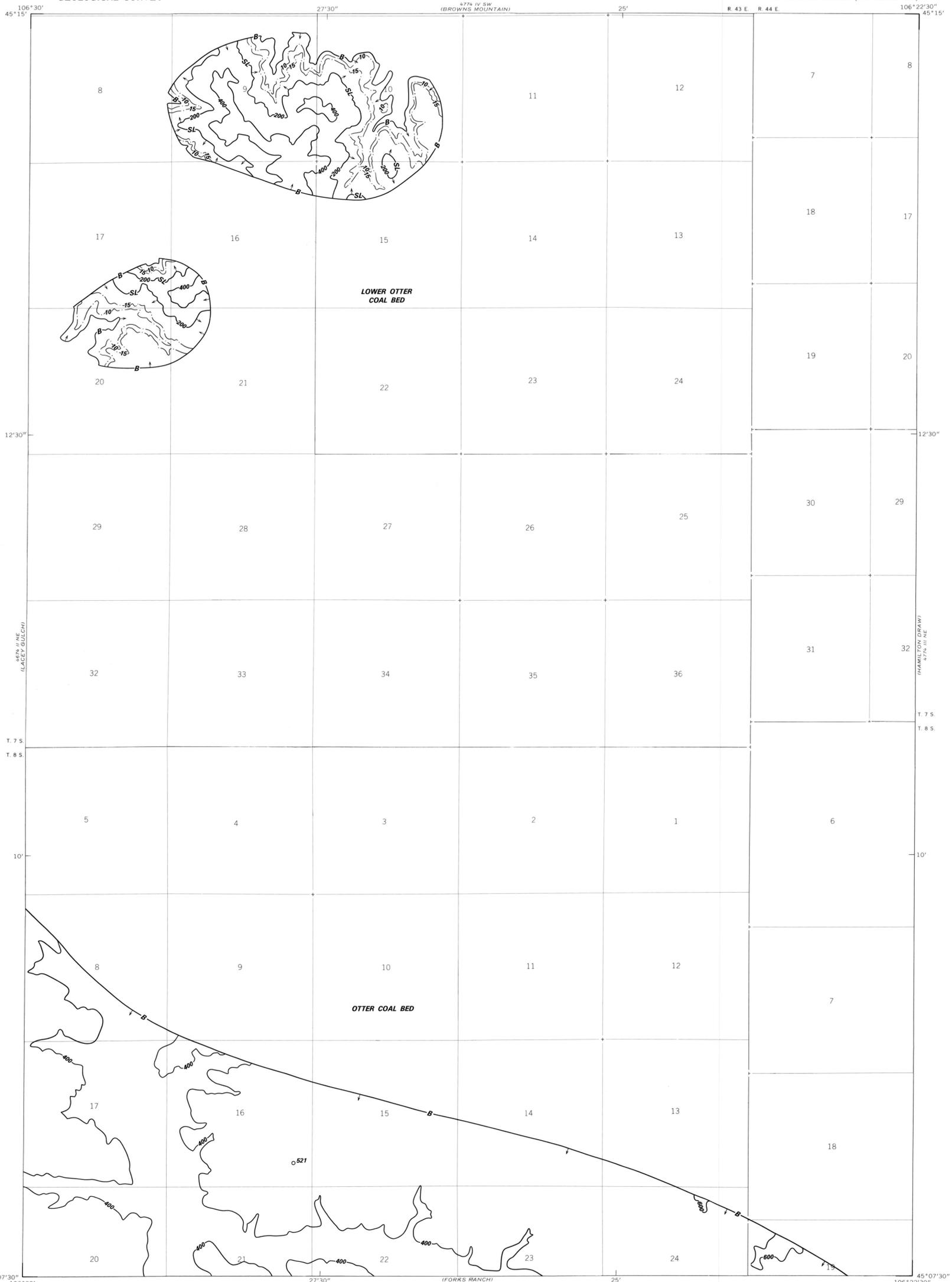


42° 15' N  
106° 15' W  
42° 15' N  
106° 15' W

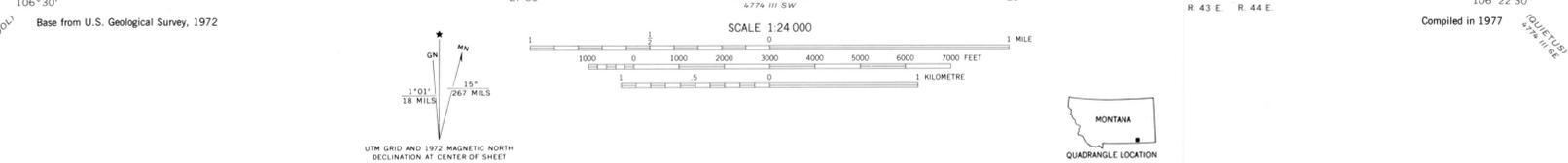


**OPEN-FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

**OPEN FILE REPORT 78-038**  
**PLATE 31 OF 54**

**EXPLANATION**

- 200**  
OVERBURDEN ISOPACHS--Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m).
  - 10**  
MINING RATIO CONTOUR--Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas within the stripping-limit.
  - SL**  
STRIPPING-LIMIT LINE--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining.
  - B**  
BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of coal bed or the contact between burned and unburned coal where the coal bed is 5 feet (1.5 m) or more thick, and the 5-foot (1.5-m) coal isopach. Arrows point toward area of Reserve Base coal.
  - 521**  
DRILL HOLE--Showing thickness of overburden, in feet, from the surface to the top of the coal bed.
- To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.
- To convert feet to meters, multiply feet by 0.3.



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE  
STROUD CREEK QUADRANGLE, ROSEBUD AND BIG HORN COUNTIES, MONTANA**

BY  
**W. J. MAPEL, B. K. MARTIN, AND B. A. BUTLER**  
1978

**PLATE 31**  
**ISOPACH OF OVERBURDEN AND  
MINING-RATIO MAPS OF THE  
LOWER OTTER AND OTTER COAL BEDS**

42° 15' N  
106° 15' W

42° 15' N  
106° 15' W