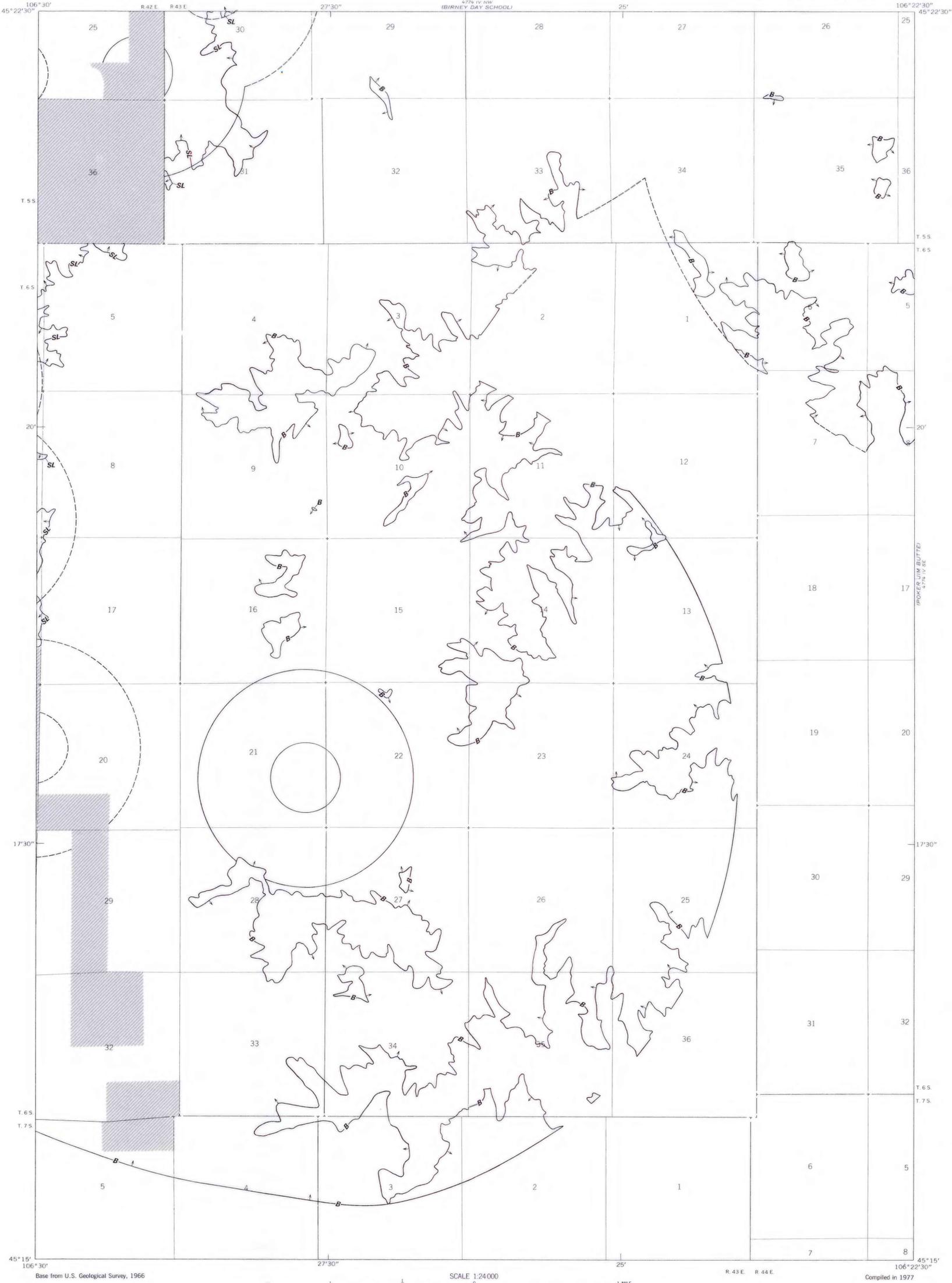


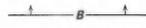
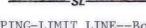
4774 IV NW  
(BIRNEY DAY SCHOOL)

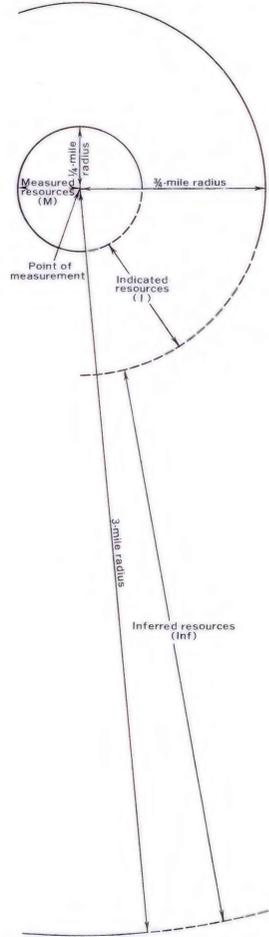


**OPEN-FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

**OPEN FILE REPORT 78-039**  
**PLATE 52 OF 69**

**EXPLANATION**

-  **NON-FEDERAL COAL LAND**--Land for which the Federal Government does not own the coal rights.
-  **BOUNDARY OF RESERVE BASE**  
COAL--Drawn along the 5-foot (1.5-m) coal isopach, and the 1,000-foot (305-m) overburden isopach. Arrows point toward area of Reserve Base coal.
-  **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. Recovery factor of 85 percent within that area in this quadrangle.



**DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED COAL RESOURCES**--Shows arcuate boundary lines enclosing areas of measured, indicated, and inferred coal resources. Boundaries of areas are dashed where projected from an adjacent quadrangle. Areas of inferred resources may be present on this map without their outer boundaries being shown.

To convert miles to kilometers, multiply miles by 1.6.

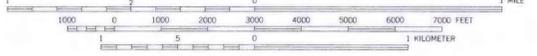
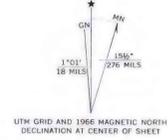
45°15' 106°30' 27°30' 25' 106°22'30" 45°15'

Base from U.S. Geological Survey, 1966

SCALE 1:24,000

R. 43 E. R. 44 E.

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE  
BROWNS MOUNTAIN QUADRANGLE, ROSEBUD COUNTY, MONTANA**

BY  
**W. J. MAPEL AND B. K. MARTIN**  
1978

PLATE 52  
AREAL DISTRIBUTION OF IDENTIFIED  
RESOURCES OF THE  
KNOBLOCH COAL BED