

45°07'30" 106°45' 45°07'30" (TONGUE RIVER DAM)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

HOLMES RANCH QUADRANGLE  
MONTANA—BIG HORN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

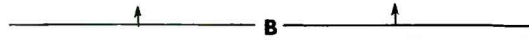
OPEN FILE REPORT 79-649  
PLATE 36 OF 37

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

EXPLANATION



NON-FEDERAL COAL LAND—Land for which the  
Federal Government does not own the coal rights.



BOUNDARY OF COAL 5 FEET OR MORE THICK—  
Drawn along the outcrop of coal bed and/or the inferred  
contact between burned and unburned coal and/or the  
5-foot coal isopach. Arrows point toward area of coal  
5 feet or more thick.

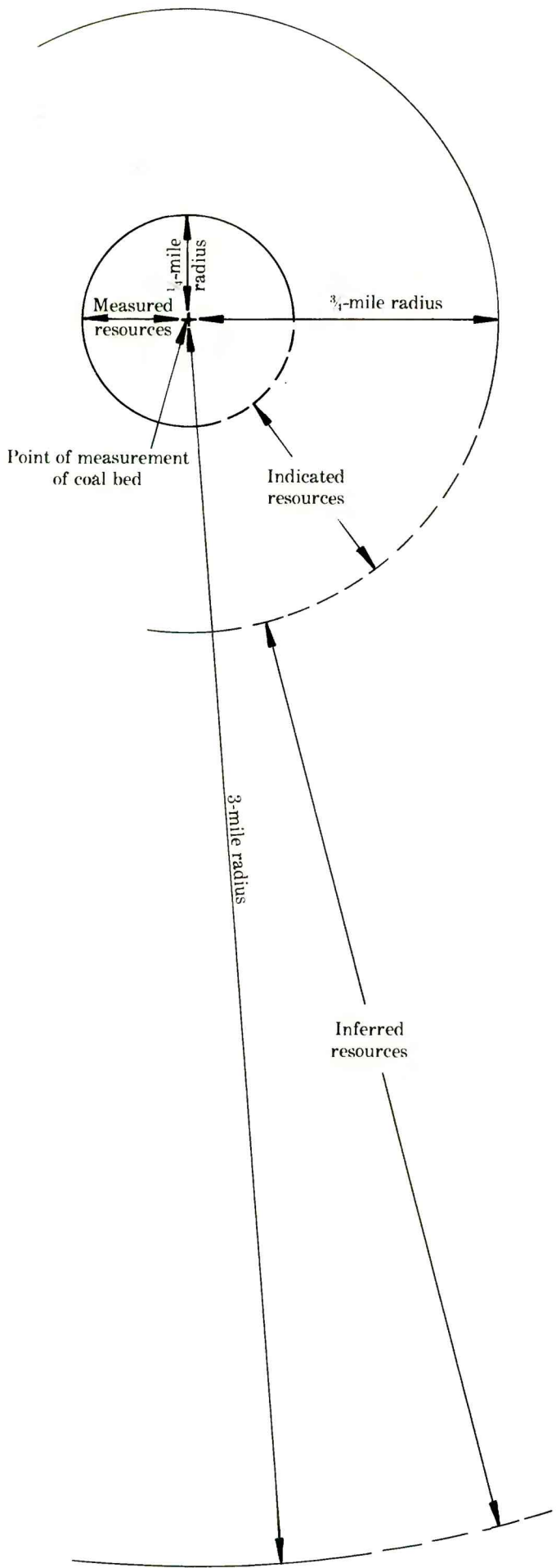


DIAGRAM SHOWING COMPONENT AREAS OF  
IDENTIFIED COAL RESOURCES—Shows arcuate  
boundary lines enclosing areas of measured, indicated,  
and inferred coal resources. Boundaries of areas are  
dashed where projected from an adjacent quadrangle.  
Areas of measured, indicated, or inferred resources  
may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

RB  
— (Measured resources)  
— (Indicated resources)  
2.04 (Inferred resources)

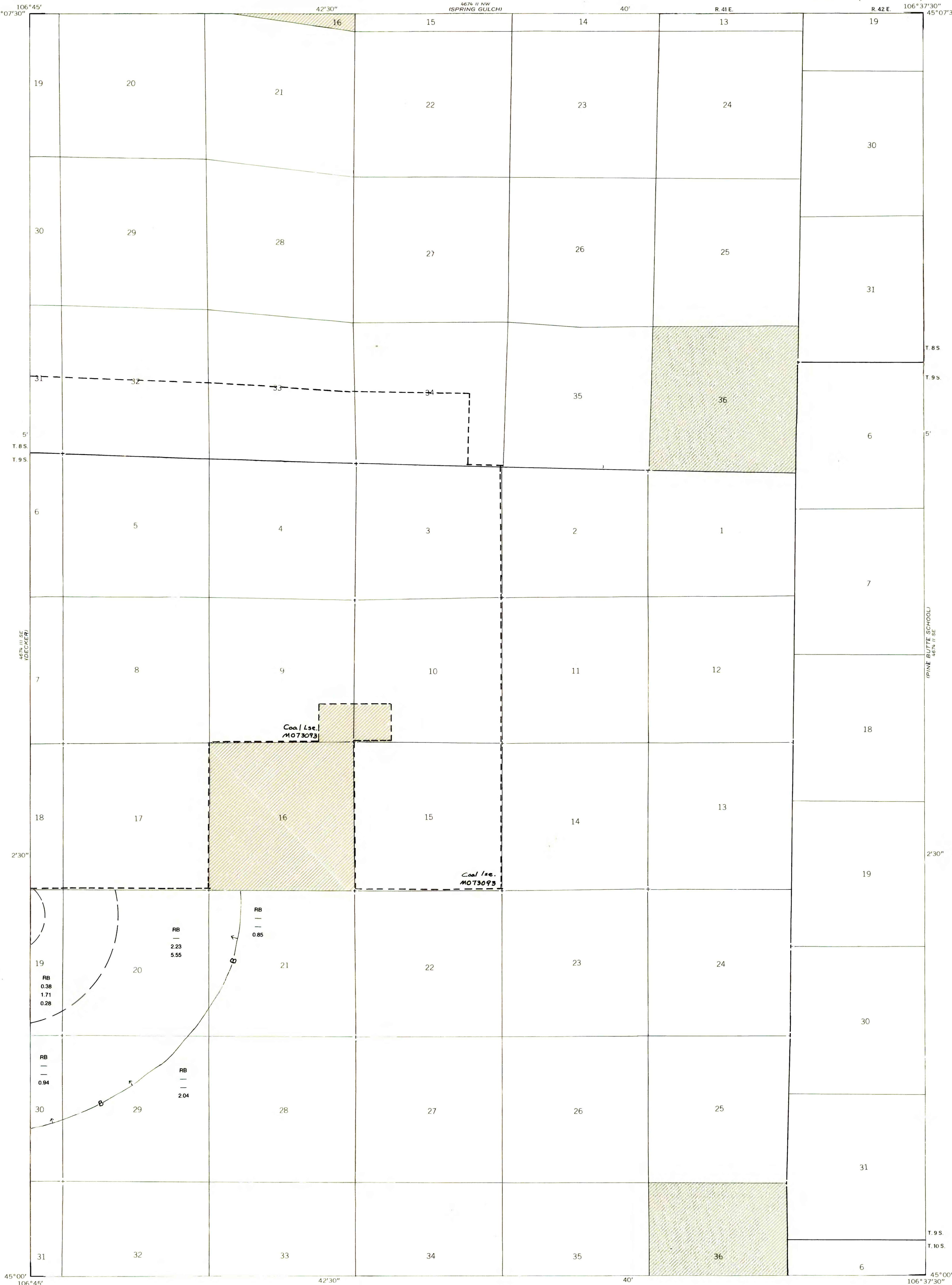
IDENTIFIED COAL RESOURCES—Showing totals for  
Reserve Base (RB), in millions of short tons, for each  
section or part(s) of a section of Federal coal land outside  
the stripping-limit line. Dash indicates no resources in  
that category.

NOTE: No stripping-limit line is shown because there is  
more than 500 feet of overburden above the coal that is  
5 feet (1.5 m) or more thick.

To convert short tons to metric tons, multiply short tons by  
0.9072.

To convert miles to kilometers, multiply miles by 1.61.

To convert feet to meters, multiply feet by 0.3048.

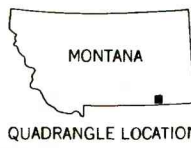
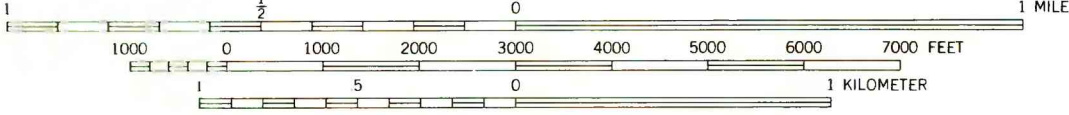


Base map from U.S. Geological Survey, 1958

SCALE 1:24,000

Compiled in 1977

GN  
1°12' 21 Mils  
156° 57 Mils  
UTM GRID AND 1967 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET



COAL RESOURCE OCCURRENCE MAP OF THE HOLMES RANCH QUADRANGLE,  
BIG HORN COUNTY, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979

PLATE 36  
AREAL DISTRIBUTION AND TONNAGE  
MAP OF IDENTIFIED RESOURCES  
OF THE KENDRICK COAL BED