UNITED STATES THREEMILE BUTTES QUADRANGLE MONTANA-POWDER RIVER CO. DEPARTMENT OF THE INTERIOR 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 4875 III SW (HOME CREEK BUTTE) 105 ° 52′ 30″ 45° 30′ 106°00′ 45°30′ R. 46 E. R. 47 E. This report has not been edited for conformity with U.S. Geological Survey editorial standards or OVERBURDEN ISOPACH-Showing thickness of over-13 burden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach. 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. DRILL HOLE-Showing thickness of overburden, in feet, 24 20 from the surface to the top of the coal bed. To convert feet to meters, multiply feet by 0.3048. To convert yds³/ton to m³/metric ton, multiply yds³/ton by 27'30' T. 4 S. T 5 S 13 17 18 NOTE: All mining-ratio contours falling within the stripping limit for this 24 coal bed in this quadrangle have values greater than 15 and therefore are not shown. 20 24 22 23 21 19 26 27 29 30 105°52'30" Compiled in 1977 SCALE 1:24 000 Base map from U.S. Geological Survey, 1966 6000 7000 FEET BHHHH

COAL RESOURCE OCCURRENCE MAP OF THE THREEMILE BUTTES QUADRANGLE, POWDER RIVER COUNTY, MONTANA BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE 1979

QUADRANGLE LOCATION

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE UPPER SPLIT OF THE SAWYER COAL BED

PLATE 33

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stratigraphic nomenclature.

EXPLANATION