UNITED STATES SONNETTE QUADRANGLE MONTANA-POWDER RIVER CO. DEPARTMENT OF THE INTERIOR 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY OPEN-FILE REPORT

This report has not been edited for conformity with
U.S. Geological Survey editorial standards or 4875 III SE (SAMUELSON RANCH) 105°45′ 45°30′ 105°52′30″ 45°30′ 47'30" R. 47 E. R. 48 E. 400 11 10 12 OVERBURDEN ISOPACH-Showing thickness of over-17 15 burden, in feet, from the surface to the top of the coal 16 bed. 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. NOTE: All mining-ratio contours falling within the stripping limit for this coal bed in this quadrangle have values greater than 15 and therefore are not shown. DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. 23 22 24 To convert feet to meters, multiply feet by 0.3048. 21 To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 27'30" 26 25 27 28 35 34 33 11 12 10 17 13 18 15 14 16 21 20 22 23 19 24 R. 47 E. R. 30 (HODSON FLATS) 4874 IV SE SCALE 1:24000 Compiled in 1977 1 KILOMETER

> COAL RESOURCE OCCURRENCE MAP OF THE SONNETTE QUADRANGLE, POWDER RIVER COUNTY, MONTANA BY COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979

PLATE 27

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stratigraphic nomenclature.

**EXPLANATION** 

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