OPEN-FILE REPORT This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature. OPEN-FILE REPORT 80-042 **UNITED STATES** PINE TREE QUADRANGLE DEPARTMENT OF THE INTERIOR PLATE 7 OF 16 WYOMING-CAMPBELL CO. **GEOLOGICAL SURVEY** 7.5 MINUTE SERIES (TOPOGRAPHIC) 105°52'30" R. 75 W R. 74 W. 43°37'30" 10 11 12 EXPLANATION NON-FEDERAL COAL LAND ---- Land for which the Federal Government does not own the coal rights. Coal 15 ////// 17 18 13 resource estimates were not made for this area. TRACE OF THE COAL-BED OUTCROP-Arrow points toward the coal-bearing area. Coal-bed outcrop dashed RB R(95%) where inferred. The outcrop of the Felix coal bed was obtained from Sharp and 1.10 1.05 Gibbons (1964, plate 1), and modified slightly by the present author to conform to the modern 5-FOOT COAL ISOPACH--Arrows point topographic map. Vertical accuracy of the placement of toward area of coal 5 feet(1.5 m) 21 22 19 20 23 or more thick; area contains the coal bed is estimated to be Reserve Base coal. within ±30 feet (9.1 m). The 5-foot (1.5-m) coal isopach was projected from mapping in an adjacent quadrangle by Intra-Search (1979f). 28 30 27 26 25 34 mile radius measurement 33 . 41 N. T. 41 N. Inferred resources 32'30" 12 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. /38// 15 14 RB R(95%) -- (Measured resources) -- -- (Indicated resources) 1.10 1.05 (Inferred resources) IDENTIFIED COAL RESOURCES FOR SURFACE MINING -- Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (95%) = 23 22 24 Reserves (R). 21 NOTE: No stripping-limit line is

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS N4330-W1 OF THE PINE TREE QUADRANGLE, CAMPBELL COUNTY, WYOMING

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QUADRANGLE LOCATION

BY JOHN M. WUNDER 1980

25

5 0

SCALE 1:24 000

27

DECLINATION, 1954

Base from U.S. Geological Survey, 1954

43°30′

105°52'30"

PLATE 7
AREAL DISTRIBUTION AND TONNAGE MAP
OF IDENTIFIED RESOURCES OF THE
FELIX COAL BED

shown because there is less than 500 feet (152.4 m) of overburden above the Reserve Base coal. Consequently, all Reserve Base coal shown has a recovery factor

To convert short tons to metric

To convert feet to meters, multiply

To convert miles to kilometers,

multiply miles by 1.609.

tons, multiply short tons by

of 95 percent.

feet by 0.3048.

0.9072.

105°45′

Compiled in 1979 and 1980