DEPARTMENT OF THE INTERIOR MONTANA GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) (GREEN CREEK) 106°22'30" 106°15′ R 43 F R 44 F **OPEN-FILE REPORT** 28 26 This report has not been edited for con-25 30 29 21 25 formity with U.S. Geological Survey editorial standards or stratigraphic nomencla-OPEN FILE REPORT 78-651 PLATE 8 OF 64 **EXPLANATION** 31 35 36 33 32 34 NON-FEDERAL COAL LAND--Land for which the Federal Government does not own the coal rights. T 5 S ______ SL ________ STRIPPING LIMIT LINE OF THE T 6 S ANDERSON COAL BED--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Stripping limit for the Anderson-Dietz coal beds, combined, is 500 feet (153 m). Arrows point toward the area suitable for surface mining. Recovery factor of 2.8 85 percent within that area in this quadrangle. BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of coal bed or the contact between burned and unburned coal. Arrows point toward area of Reserve Base coal. 10 11 12 (Measured resources) (Indicated resources) (Inferred resources) R(.85) 6.0 6.3 3.2 IDENTIFIED STRIPPABLE COAL 2.7 RESOURCES--Showing totals for Reserve Base (RB) and Reserves (R), in millions of R(.85) short tons, for each section 9.2 22.0 7.8 19.0 or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in 17 that category. Reserve 15 Base (RB) x the Recovery 18 Factor (85 percent) = Reserves (R). Rounded to two significant figures. .060 9 9 (Measured resources) (Indicated resources) (Inferred resources) IDENTIFIED NON-STRIPPABLE COAL RESOURCES--Showing totals for Reserve Base (RB), in 1.3 1.1 8.5 millions of short tons, for each section or part(s) of 20 22 21 section of Federal coal land R(.85) 20 4.2 .97 outside the stripping-limit 3.6 line. Dash indicates no resources in that category. Rounded to two significant figures. Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calcu-17'30" 17'30" lated for the coal bed in areas outside the strippinglimit line where the overburden thickness exceeds 29 27 .085 200 feet (61 m). 29 To convert short tons to metric tons, multiply by 0.907. 2.0 2.4 27. R(.85) 2.7 8.5 .93 32 33 34 31 32 RB 8.3 7.1 R(.85) T. 6 S. T 7 S T. 7 S R(.85) 2.0 14. 2 5.4 1.4 26. 1.7 30. R(.85) 8.2 10. .38 RB 2.3 2.0 1.8 45°15′ 106°15′ 45°15′ 106°22′30″ R. 44 E. SCALE 1:24 000 Compiled in 1977 Base from U.S. Geological Survey, 1966 QUADRANGLE LOCATION

POKER JIM BUTTE QUADRANGLE

UNITED STATES

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE POKER JIM BUTTE QUADRANGLE, ROSEBUD AND POWDER RIVER COUNTIES, MONTANA

BY W. J. MAPEL, B. K. MARTIN, AND B. A. BUTLER 1978 PLATE 8

IDENTIFIED RESOURCES OF
THE ANDERSON COAL BED AND
THE ANDERSON AND DIETZ
COAL BEDS, COMBINED