UNITED STATES POKER JIM BUTTE QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°22′30″ R 43 F R 44 F 17'30" 45°22'30" This report has not been edited for con-27 formity with U.S. Geological Survey editorial standards or stratigraphic nomencla-OPEN FILE REPORT 78-651 R(.85) .20 1.0 RB R(.85) NON-FEDERAL COAL LAND--Land for which the Federal Government does not own the coal rights. T 5 S T. 5 S. STRIPPING LIMIT LINE--Boundary T 65 for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 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, and the 5-foot (1.5-m)coal isopach. Arrows point toward area of Reserve Base coal. RB R(.85) (Measured resources) 1.3 (Indicated resources) R(.85) .20 .48 IDENTIFIED STRIPPABLE COAL .010 .15 .008 RESOURCES--Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R).17 16 15 14 13 Rounded to two significant 18 figures. .27 RB RB -----4.9 IDENTIFIED NON-STRIPPABLE COAL RESOURCES--Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit 20 23 line. Dash indicates no 24 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 calculated for the coal bed in areas outside the strippinglimit line where the over-7'30" burden thickness exceeds 200 feet (61 m). 26 25 To convert short tons to metric tons, multiply by 0.907. RB ----7.7 2.3 35 RB R(.85)

2.1 1.8 RB .20 4.2 T 6 S T 7 S T 6 S T 75 4.7 RB .030 5.6 SL .59 11 17'30" R. 44 E. R. 45 E 106°15′ SCALE 1:24000 Base from U.S. Geological Survey, 1966 Compiled in 1977 UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

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

PLATE 23 IDENTIFIED RESOURCES OF THE LOWER CANYON COAL BED

**OPEN-FILE REPORT** 

PLATE 23 OF 64

EXPLANATION

(Inferred resources)

(Measured resources)

2.1 (Indicated resources) (Inferred resources)