UNITED STATES PINE BUTTE SCHOOL QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA-BIG HORN CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°37′30″ 45°07′30″ 106°30′ 45°07′30″ OPEN-FILE REPORT 20 21 23 24 19 22 This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomencla-OPEN-FILE REPORT 78-652 PLATE 33 OF 64 25 29 27 26 28 30 EXPLANATION NON-FEDERAL COAL LAND--Land for 10.26 which the Federal Government does own the coal rights. BOUNDARY OF RESERVE BASE COAL--Drawn along the 1,000foot (305 m) overburden 32 isopach and the arc 3 miles 35 34 33 31 (4.8 km) from nearest complete measurement of coal bed. Arrows point toward area of Reserve Base coal. - (Measured resources) T. 8 S. T. 8 S. — (Indicated resources) T. 9 S. T. 9 S. 0.15 (Inferred rescurces) 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 line. Dash indicates no resources in that category. Coal resources in partial sections along eastern margin of quadrangle are included in totals of adjacent sections to the west. Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calcu-10 lated for the coal bed in 12 11 areas outside the strippinglimit line where the overburden thickness exceeds 200 feet (61 m). To convert short tons to metric tons, multiply by 0.907. 14 15 18 13 2'30" 2'30" 21 22 20 23 24 19 29 27 25 26 30 0.55 35 34 31 T. 9 S. T. 10 S. 3.36 45°00′ 106°30′ 32'30" 106°37′30″ R. 42 E. R. 43 E. SCALE 1:24 000 Base from U.S. Geological Survey, 1967 Compiled in 1977 MONTANA UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

> COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE PINE BUTTE SCHOOL QUADRANGLE, BIG HORN COUNTY, MONTANA

QUADRANGLE LOCATION