UNITED STATES FILLMORE RANCH QUADRANGLE WYOMING-CARBON CO. DEPARTMENT OF THE INTERIOR 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY 107°30′ 107° 37′30″ 41° 37′30″ 14 15 13 17 23 23 19 20 21 0279 342 27 26 26 28 29 dashed where inferred by present authors. 0 331 34 33 31 32 NOTE: Overburden isopachs are not drawn beyond those shown because of insufficient data. T 19 N T 18 N 32'30' 13 17 19 27 30 (DOTY MOUNTAIN 1:62 500) 4466 1 SCALE 1:24 000 107°30′ Compiled in 1977/1978 Base from U.S. Geological Survey, 1966 7000 FEET 1000 0 1 KILOMETER WYOMING UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE FILLMORE RANCH QUADRANGLE, CARBON COUNTY, WYOMING

BY DAMES & MOORE 1978

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EXPLANATION

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 100 feet (30.5 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line for the Y bed; 50 feet (15. 2 m) over strippable coal and 200 feet (61 m) beyond the pable coal and 200 feet (61 m) beyond the stripping-limit line for the D1 (Separation Creek) bed.

0132

DRILL HOLE - Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

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MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the otrippingslimit (in this guadrande the stripping-limit (in this quadrangle, the 200-foot-overburden isopach).

Dl - Dl (Separation Creek) of Lower Fort Union Coal Zone Y - Y bed of the Almond

COAL BED SYMBOLS AND NAMES

----- Y -----TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Short

To convert feet to meters, multiply feet by

To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

> This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

> > PLATE 10

OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE Y COAL BED AND THE DI (SEPARATION CREEK) COAL BED