UNITED STATES FILLMORE RANCH QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING-CARBON CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 107°37′30″ 41°37′30″ 15 14 13 17 16 6.00 22 23 23 19 20 21 26 27 29 31 33 T 19 N NOTE: Structure contours are not drawn beyond those shown because of insufficient data. 04.0 10 12 13 17 23 24 19 27 26 (DOTY MOUNTAIN 1:62 500) 4466 1 SCALE 1:24 000 Base from U.S. Geological Survey, 1966 Compiled in 1977/1978 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

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ISOPACHS - Showing thickness of coal, in feet. Short dashed where projected beyond coal-bearing area. Isopach interval 5 feet for Y bed; 1 foot for D1 (Separation Creek)

7800 ----

STRUCTURE CONTOURS - Drawn on top of coal bed. Solid where vertical accuracy within 40 feet; long dashed where vertical accuracy possibly not within 40 feet; short dashed where projected above ground surface. Contour interval is 200 feet (61 m). Datum is mean sea level.

0698

DRILL HOLE - Showing altitude of top of coal bed, and/or thickness of coal, in feet.

**4.**5

POINT OF MEASUREMENT - Showing thickness of coal, in feet. Includes all points of measurement other than drill holes.

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

COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Short dashed where inferred by present authors.

UNDERGROUND MINING LIMIT - Showing areas where dips of coal beds are greater than 15° and underground mining is not considered feasible. Reserve Base tonnages are calculated beyond limit; Reserve tonnages are not. Arrow points toward area where dips are greater than 15°.

To convert feet to meters, multiply feet by 0.3048.

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

## PLATE 8

ISOPACH AND STRUCTURE CONTOUR
MAP OF THE Y COAL BED AND
ISOPACH MAP OF THE
DI (SEPARATION CREEK) COAL BED