

COAL RESOURCE OCCURRENCE MAP OF THE SOUTHWEST QUARTER OF THE DOTY
MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING

BY DAMES & MOORE 1979 PLATE 9 OF 27

EXPLANATION

NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal

rights.

Isonacii Showing thickness of soal i

ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal bed is 5 feet or more thick.

OD - Olson Draw

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle

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

----15°-----

SUBSURFACE MINING LIMIT - Showing areas where dips of coal beds are greater than 15° and subsurface mining by conventional methods 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°.

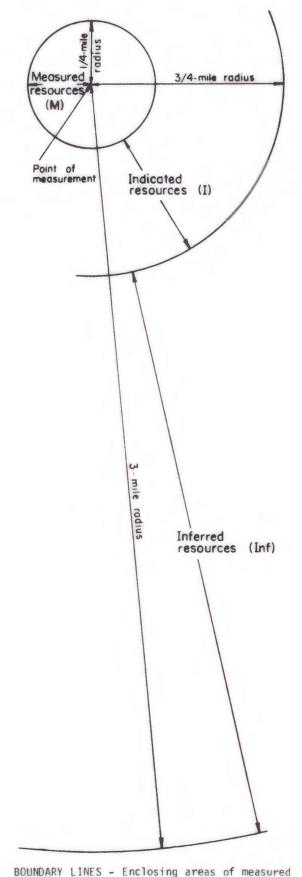
STRIPPING-LIMIT LINE - Boundary for surface

mining (in this quadrangle, the 200-footoverburden isopach). Arrow points toward
the area suitable for surface mining where
the recovery factor is 85 percent, and away
from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden
isopach) where the recovery factor is 50
percent.

TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located.

RB R(85%) RB R(50%)
0.18 0.15 0.04 — (Measured)
0.04 0.03 0.03 — (Indicated)
— — — — (Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land, both within and beyond the stripping-limit line. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash'indicates no resource in that category. Underground Reserves have been calculated for only that part of the Reserve Base that is suitable for underground mining, and do not include Reserves for areas where the dip of the coal bed exceeds 15°. Therefore, in some instances, underground Reserves may be less than 50 percent of the Reserve Base.



(M), indicated (I), and inferred (Inf) coal resources.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.6093.

PLATE 9

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAPS OF THE ALMOND [2] AND OLSON DRAW COAL BEDS