

EXPLANATION

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

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

EI - EI (Olson Draw) of Lower Fort Union Coal Zone

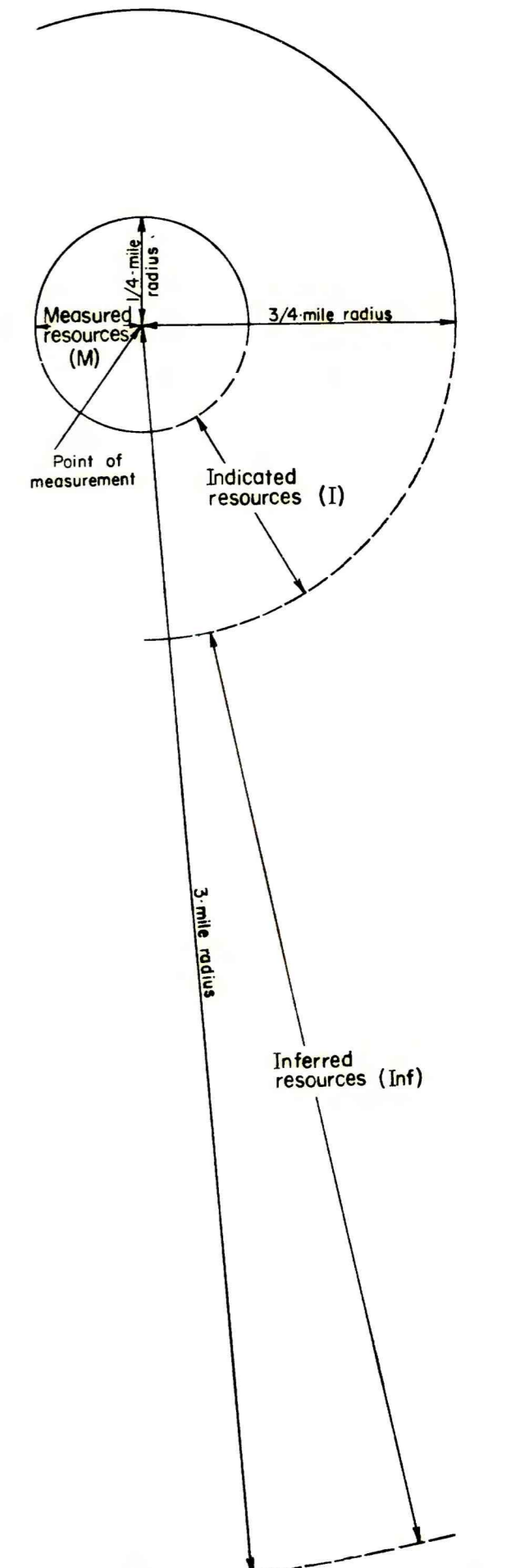
COAL BED SYMBOL AND NAME

STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot-overburden 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.

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°.

RB	R(85%)	RB	R(50%)	
0.04	0.03	0.34	0.19	(Measured)
—	—	0.29	0.14	(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.



BOUNDARY LINES - Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

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 1.609.

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

BY
DAMES & MOORE
1978

PLATE 34
AREAL DISTRIBUTION AND
IDENTIFIED RESOURCES MAP OF
THE EI (OLSON DRAW) COAL BED

CRESTED BUTTE JUNCTION
41°37'30"
107°37'30"
R 91 W
35° R 90 W
5467 N. NE
(TRINER)
32°30"
107°30'
41°37'30"
RB R(50%)
0.29 0.14
1.65 0.82
0.41 0.20
I
Inf
M
RB R(50%)
0.34 0.19
0.29 0.14
RB R(50%)
0.22 0.11
0.20 0.10
RB R(50%)
1.01 0.41
4.37 2.15
2.45 1.22
M
I
Inf
RB R(85%)
0.04 0.03
RB R(50%)
0.44 0.05
0.22 0.02
107°37'30"
41°37'30"
Base from U.S. Geological Survey, 1966
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
1°42' 10 MILS
15° 267 MILS
SCALE 1:24,000
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER
WYOMING
QUADRANGLE LOCATION
Compiled in 1977/1978
41°37'30"
107°37'30"
R 90 W
5467 N
(BRIDGER PASS 1:62,500)
32°30"
41°37'30"