UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HIGH POINT QUADRANGLE
WYOMING—CARBON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 78-620
PLATE 13 OF 21

4467 II NW (WAMSUTTER)
4467 III NE (CRESTON)
4467 II NW (CRESTON JUNCTION)
4467 III SW (EIGHTMILE LAKE)
4467 II SW (SEAVERSON RESERVOIR)
4467 I SW (DOTY MOUNTAIN)

107°52'30" 50' R. 93 W. R. 92 W. 47'30" 107°45'
41°37'30" 35' T. 19 N. T. 18 N. 32'30" 41°30'

Base from U.S. Geological Survey, 1966

Compiled in 1977/1978

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

GN MN
1°52' 33 MILS
15° 267 MILS
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

WYOMING
QUADRANGLE LOCATION

EXPLANATION

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

CL W 092141

AREA OF COAL LEASE ON FEDERAL LAND - Showing coal lease number.

5

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

CB - Cow Butte, (D) Upper Fort Union Coal Zone

COAL BED SYMBOL AND NAME

CB

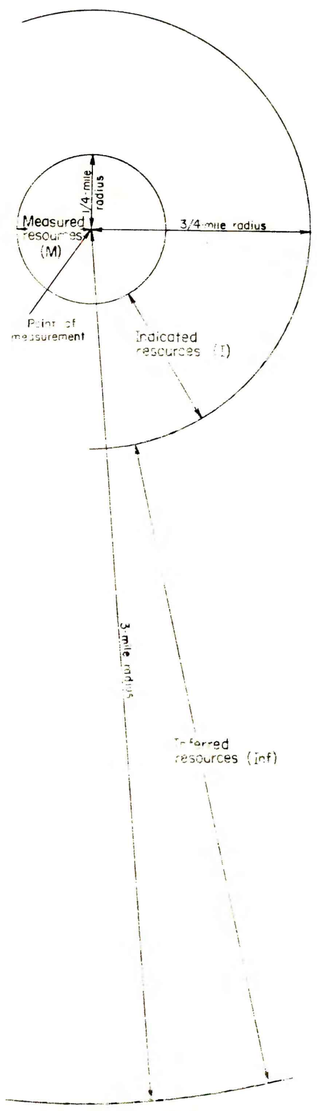
TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred; short dashed where inferred by present authors.

SL

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.

RB	R(85%)	RB	R(50%)	
1.23	1.05	0.74	0.37	(Measured)
2.35	2.00	4.35	2.18	(Indicated)
—	—	0.35	0.18	(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.



BOUNDARY LINES - Enclosing areas of measured (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 1.604.

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

COAL RESOURCE OCCURRENCE MAP OF THE HIGH POINT QUADRANGLE, CARBON COUNTY, WYOMING

BY
DAMES & MOORE
1978

PLATE 13
AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAP OF THE COW BUTTE (D) COAL BED