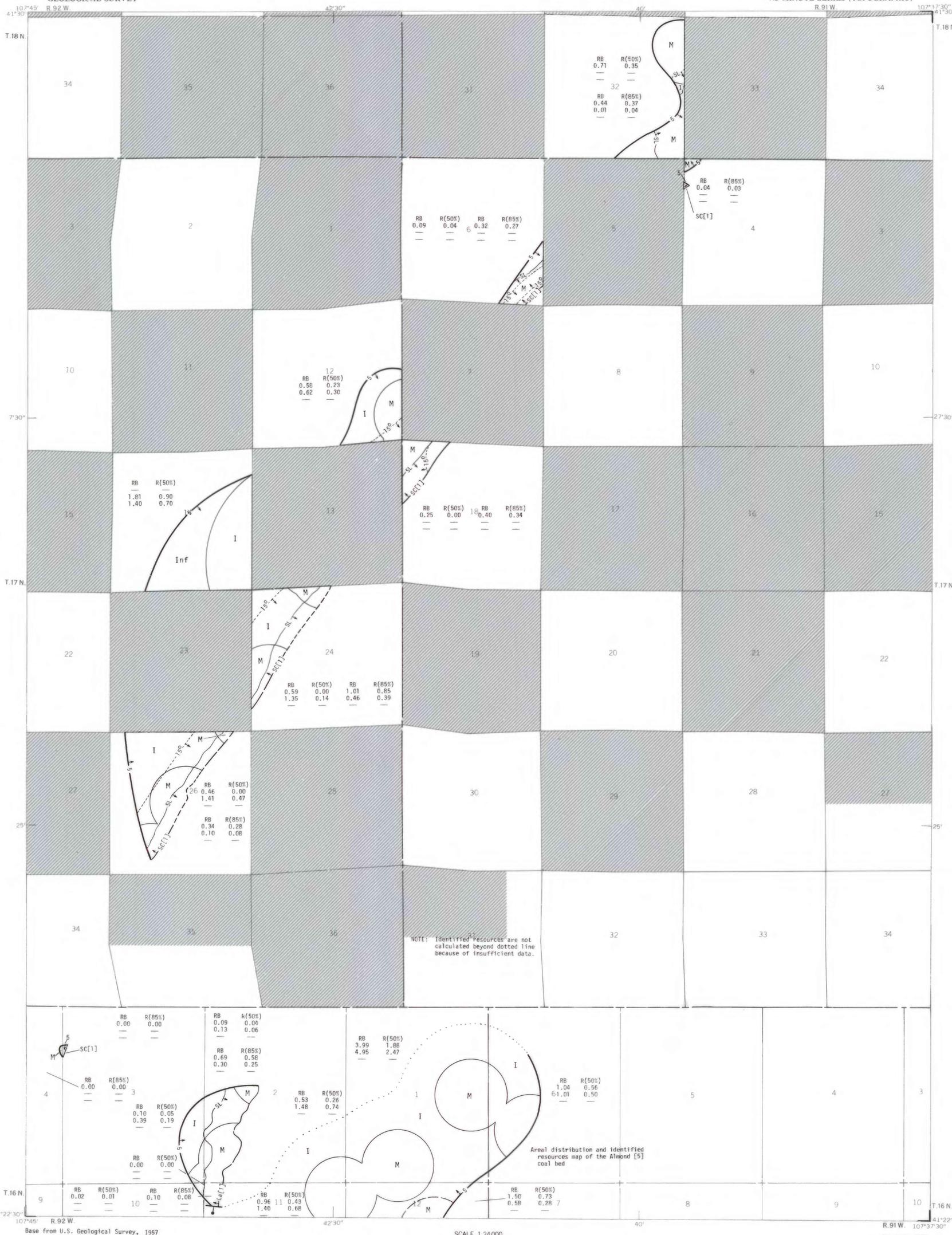


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

NORTHWEST DOTY MOUNTAIN QUADRANGLE  
WYOMING-CARBON CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

PLATE 15 OF 32

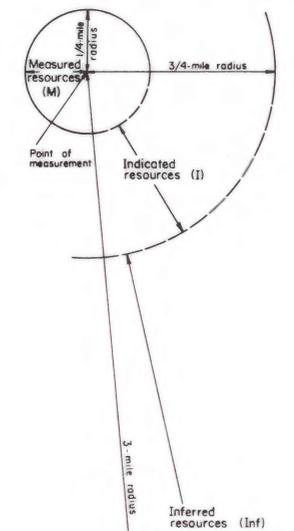


EXPLANATION

- 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.
- SC[1] - Separation Creek [1]  
La[1] - Lance [1]
- COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.
- 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.
- 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°.
- TRACE OF FAULT - Bar and ball on down-thrown side when direction of movement is known.
- 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%)
1.01	0.85	0.59	0.00
0.46	0.39	1.35	0.14

(Measured)  
(Inferred)



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

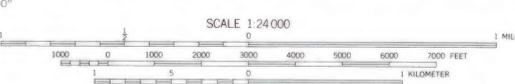
To convert feet to meters, multiply feet by 0.3048.

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

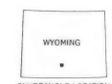
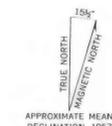
To convert miles to kilometers, multiply miles by 1.6093.

NOTE: Identified resources are not calculated beyond dotted line because of insufficient data.

Areal distribution and identified resources map of the Almond [5] coal bed



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



COAL RESOURCE OCCURRENCE MAP OF THE NORTHWEST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING  
BY DAMES & MOORE  
1979

PLATE 15  
AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAPS OF THE ALMOND [5], LANCE [1], AND SEPARATION CREEK COAL BEDS