

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.

Em - Emery coal zone

COAL BED SYMBOL AND NAME - Coal bed identified by bracketed number is not formally named, but is numbered for identification purposes in this quadrangle only.

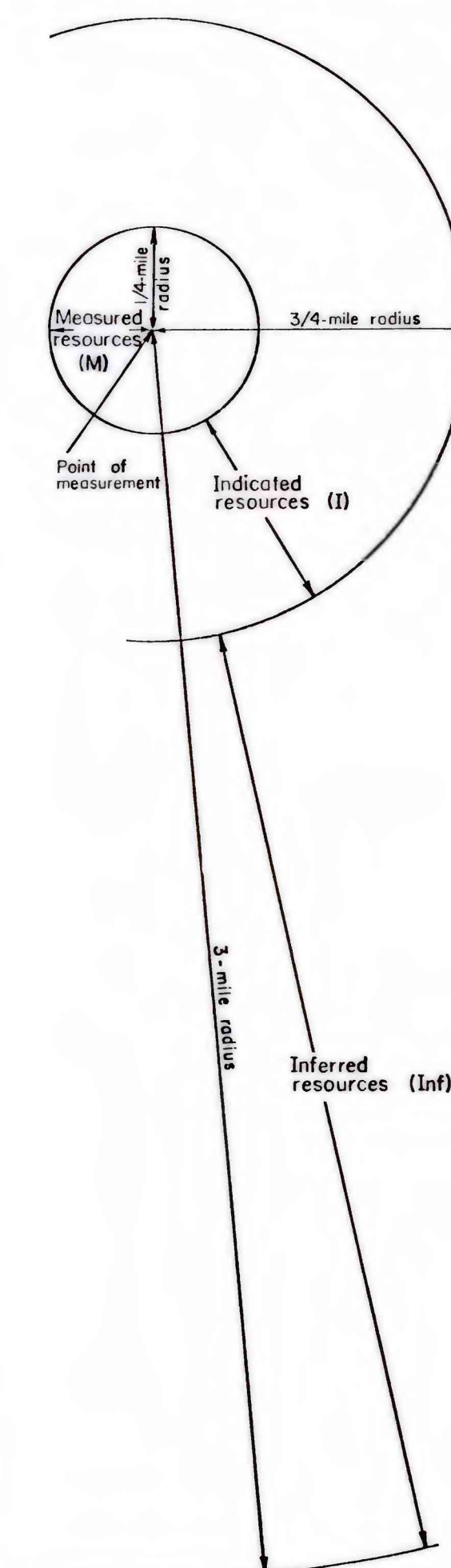
TRACE OF COAL ZONE OUTCROP - Showing symbol  
of name of coal zone as listed above.  
Arrow points toward coal-bearing area.  
Short dashed where projected by present  
authors.

**STRIPPING-LIMIT LINE** - Boundary for surface mining (in this quadrangle, the 100-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 where the recovery factor is 50 percent.

INFERRED LIMIT OF BURNED AND CLINKERED  
COAL - Arrow points toward area of baked  
and fused rock.

RB	R(85%)	RB	R(50%)	
0.27	0.23	0.14	0.07	(Measured)
0.60	0.51	2.61	1.30	(Indicated)
—	—	0.42	1.21	(Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons for each section and part of section of non-leased Federal coal land, both within and beyond the strip-mining 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. Reserves have been calculated for a constant thickness of 12 feet for areas where the coal is less than 12 feet thick. 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.

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

To convert miles to kilometers, multiply  
miles by 1.6093

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.

Compiled in 1978/79

COAL RESOURCE OCCURRENCE MAP OF THE NORTHWEST QUARTER OF THE  
MT. PENNELL 15-MINUTE QUADRANGLE, GARFIELD COUNTY, UTAH  
BY  
DAMES AND MOORE  
1979

PLATE 6  
AREAL DISTRIBUTION AND  
IDENTIFIED RESOURCES MAP OF  
EMERY [I] COAL BED