



EXPLANATION

1000
800

OVERBURDEN ISOPACHS--Showing thickness of overburden, in feet, from the surface to top of the Lower McAlester coal bed. Isopach interval 200 feet (91.4 m).
○ 139 (8.1)

COAL TEST MEASUREMENT--Showing thickness of overburden, in feet, from the surface to the top of the Lower McAlester coal bed (upper number). Mining ratio in brackets.
● 1337

OIL AND GAS TEST HOLE--Showing thickness of overburden as outlined above.

LM
TRACE OF COAL BED OUTCROP--Showing symbol of name of coal bed. Arrow points toward coal-bearing area. Dashed where inferred by present authors.

THRUST FAULT--Sawtooth on upthrust or overthrust side. Dashed where approximately located.

15MR

MINING-RATIO CONTOUR--Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 150-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

150 SL

150 SL STRIPPING-LIMIT LINE--Boundary for surface mining (in this quadrangle, the 150-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 80 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.

NOTE: Thickness rounded to nearest foot.
To convert feet to meters, multiply feet by 0.3048.

NOTE: The explanation has been compiled to depict all possible combinations of data and does not intentionally represent any particular data points.

NOTE: Mining Ratios have not been drawn through mined-out areas or in areas where coal does not exceed Reserve Base thickness (1 foot or 3.05m).

This report was prepared under contract to the U.S. Geological Survey, and has not been edited for conformance with Geological Survey editorial standards or stratigraphic nomenclature. Opinions expressed herein do not necessarily represent those of the Geological Survey.

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE KREBS 7.5-MINUTE QUADRANGLE, PITTSBURG COUNTY, OKLAHOMA
BY GEOLOGICAL SERVICES OF TULSA, INC., B. T. BRADY, USGS, AND J. L. QUERRY, BLM

PLATE 6
OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE LOWER MC ALESTER (STIGLER) COAL BED

COMPILED IN 1980
This map intended for land-use planning purposes only