EXPLANATION

NON-FEDERAL COAL LAND--Land for which the Federal Government does not own the coal rights, and for which the coal-development potential is not rated.

AREA OF HIGH COAL-DEVELOPMENT POTENTIAL (Subsurface)--Area contains coal in beds which ▮▮▮▮▮▮▮▮▮▮▮ or more ▮▮▮▮▮▮▮▮ (45.72m) overburden isopach and a depth of 1,000 feet (304.8m).

AREA OF MODERATE COAL-DEVELOPMENT POTENTIAL (Subsurface)--Area contains coal in beds which dip less than 15°, are 1 foot (0.3048m) or more thick, and lie at depths ranging from 1,000 to 2,000 feet (304.8 to 609.6m).

AREA OF LOW COAL-DEVELOPMENT POTENTIAL (Subsurface)--Area contains coal in beds which dip less than 15°, are 1 foot (0.3048m) or more thick, and lie at depths ranging from 2,000 to 3,000 feet (609.6 to 914.4m).

AREA OF NO COAL-DEVELOPMENT POTENTIAL--No coal in beds 1 foot (0.3048m) or more thick is known to occur in area; coal in beds 1 foot (0.3048m) or more thick is present in area at depths greater than 3,000 feet (914.4m); or coal in beds 1 foot (0.3048m) or more thick has been mined.

AREA OF LOW IN-SITU COAL GASIFICATION POTENTIAL--Area contains coal in beds 1 foot (0.3048m) or more thick which lie between the 150-foot (45.72m) overburden isopach and a depth of 3,000 feet (914.4m) and dip either from 15° to 35°, regardless of tonnage or from 35° to 90° in areas with less than 50 million tons of bituminous coal in a single unfaulted bed or multiple, closely spaced, approximately parallel beds.

✱ Areas which have coal-development potential for both subsurface mining and in-situ gasification methods are shown with both the appropriate high, moderate, or low subsurface potential pattern and an ✱ located at the center of the smallest legal land subdivision or approximate 40-acre parcel.

NOTE: Any lot or tract assigned coal-development potential meets the appropriate parameters outlined above and implicitly contains coal in beds with a nominal minimum areal extent of 1 acre.

SCALE 1:24 000

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

FEDERAL COAL DEVELOPMENT POTENTIAL 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

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

PLATE 15
COAL DEVELOPMENT POTENTIAL MAP FOR SUBSURFACE MINING AND IN-SITU GASIFICATION METHODS