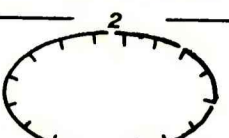
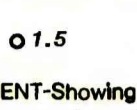
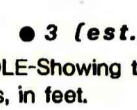


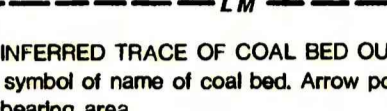


**EXPLANATION**

 ISOPACHS—Showing thickness of coal, in feet. Dashed where inferred. Isopach interval 1 foot (0.305m.). Hachures indicate an area of local thinning of coal bed.

 COAL TEST MEASUREMENT—Showing measured thickness of coal, in feet. In areas where the structure map exhibited dip less than 25°. Drill holes which do not intersect the coal or from which a coal thickness could not be determined are not shown.

 OIL AND GAS TEST HOLE—Showing thickness of coal estimated from well logs, in feet.

 INFERRED TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Arrow points toward coal-bearing area.

NOTE: Thickness reported to tenths of feet only when resolution of data permitted.  
To convert feet to meters, multiply feet by 0.3048.

Base from U.S. Geological Survey, 1940  
This map intended for land-use planning purposes only.

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

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE  
0 1000 2000 3000 4000 5000 6000 7000 FEET  
0 1 2 3 4 5 6 7 8 9 10 KILOMETER

CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

OKLAHOMA  
QUADRANGLE LOCATION

Compiled 1980/1981

**FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE NORTHWEST QUARTER OF THE RED OAK  
15-MINUTE QUADRANGLE, LATIMER COUNTY, OKLAHOMA**  
BY GEOLOGICAL SERVICES OF TULSA, INC., AND B. T. BRADY, USGS