UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HACKETT QUADRANGLE
ARKANSAS-OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 GREENWOOD 15' QUADRANGLE

EXPLANATION

5H
4H

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

4UH

ISOPACHS OF THE UPPER HARTSHORNE SPLIT OF THE HARTSHORNE COAL BED-Showing thickness in feet. Isopach interval 1 foot. (0.305 m.)

3LH

ISOPACHS OF THE LOWER HARTSHORNE SPLIT OF THE HARTSHORNE COAL BED-Showing thickness in feet. Isopach interval 1 foot. (0.305 m.)

2.8UH
2.7LH

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

0.9 (4.1) H

COAL TEST MEASUREMENT-Showing calculated true thickness of coal, in feet, measured apparent thickness of coal (in parentheses), in feet, and the symbol of name of coal bed. True thickness was calculated in areas where the structure map exhibited dip in excess of 25°

MINE WORKINGS AND STRIPPED AREAS-Showing mined-out areas. Boundaries are approximately located.

UH

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

INSUFFICIENT DATA LINE-Coal thickness cannot be determined beyond line shown because of insufficient data.

NORMAL FAULT-Bar and ball on downthrown side; dashed where approximately located.

THRUST FAULT-Sawteeth on upthrown or overthrust side. Dashed where approximately located.

SPLIT LINE-Line along which the Hartshorne Coal bed splits into the Upper and Lower Hartshorne coal beds. This line corresponds to the 1 foot interburden isopach.

NOTE: Altitudes rounded to the nearest foot.

To convert feet to meters, multiply feet by 0.3048.

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.

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

SCALE 1:24000

1 MILE
7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

FEDERAL COAL RESOURCE OCCURRENCE MAP OF THE HACKETT 7.5-MINUTE QUADRANGLE, LEFLORE COUNTY, OKLAHOMA AND SEBASTIAN COUNTY, ARKANSAS

BY GEOLOGICAL SERVICES OF TULSA, INC., B. T. BRADY, USGS, AND J. L. QUERRY, BLM

PLATE 4
ISOPACH MAP OF THE HARTSHORNE COAL BED AND UPPER AND LOWER SPLITS