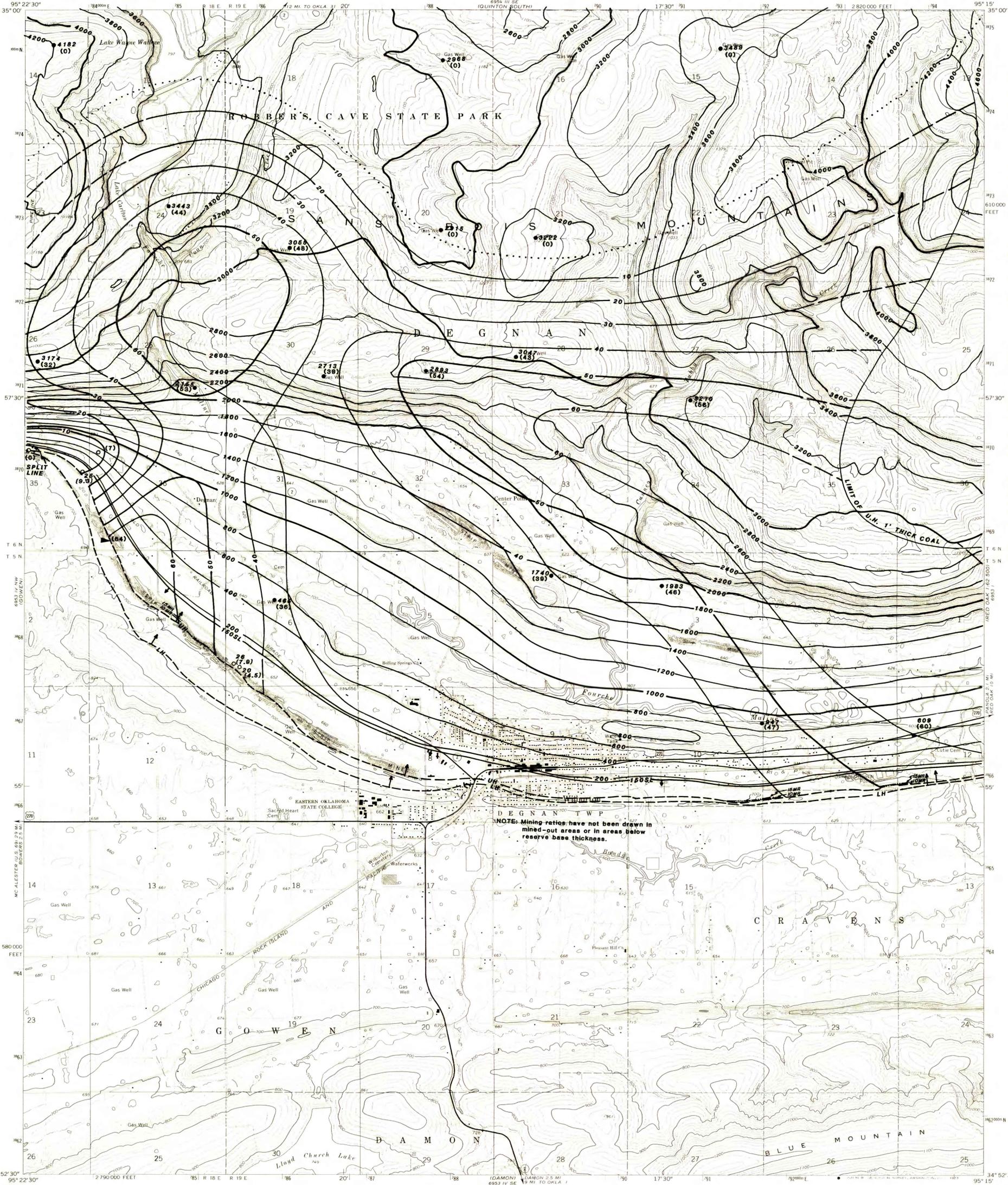


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WILBURTON QUADRANGLE
OKLAHOMA-LATIMER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

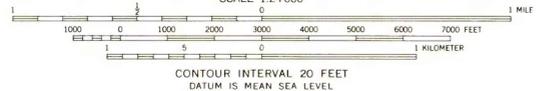


- EXPLANATION**
- 3000 —————
 - 2800 —————
- OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to top of the Upper Hartshorne coal bed. Isopach interval 200 feet (61.0 m.).
- 50 —————
 - 40 —————
- INTERBURDEN ISOPACH—Showing thickness of interburden, in feet, between the Upper and Lower Hartshorne coal beds. Isopach interval 10 feet (3.05 m.).
- 136 (53)
● (45)
- COAL TEST MEASUREMENT—Showing thickness of overburden, in feet, (upper number) from the surface to top of the Hartshorne coal bed (or Upper Hartshorne where split) and thickness of interburden, in feet, (lower number in parentheses) between the Upper Hartshorne and Lower Hartshorne splits of the Hartshorne coal bed. Mining Ratio number in brackets.
- 1983 (46)
- OIL AND GAS TEST HOLE—Showing thickness of overburden and thickness of interburden as outlined above.
- UH —————
- INFERRED TRACE OF COAL BED OUTCROP—Showing symbol of name of coal bed. Arrow points toward coal-bearing area.
-
- 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 (0.305m.) interburden isopach.
- 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: Mining ratios have not been drawn in mined-out areas or in areas below reserve base thickness.

Base from U.S. Geological Survey, 1971.
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.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
AND BY THE OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



WILBURTON, OKLA.
N3452.5-W9515.7.5

1971
AMS 6953 IV NE—SERIES V885

FEDERAL COAL RESOURCE OCCURRENCE MAP OF WILBURTON 7.5 MINUTE QUADRANGLE, LATIMER COUNTY, OKLAHOMA

BY GEOLOGICAL SERVICES OF TULSA, INC., AND B. T. BRADY, USGS

PLATE 17
INTERBURDEN ISOPACH MAP OF THE UPPER AND LOWER SPLITS OF THE HARTSHORNE COAL BED AND OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE HARTSHORNE COAL BED AND UPPER SPLIT