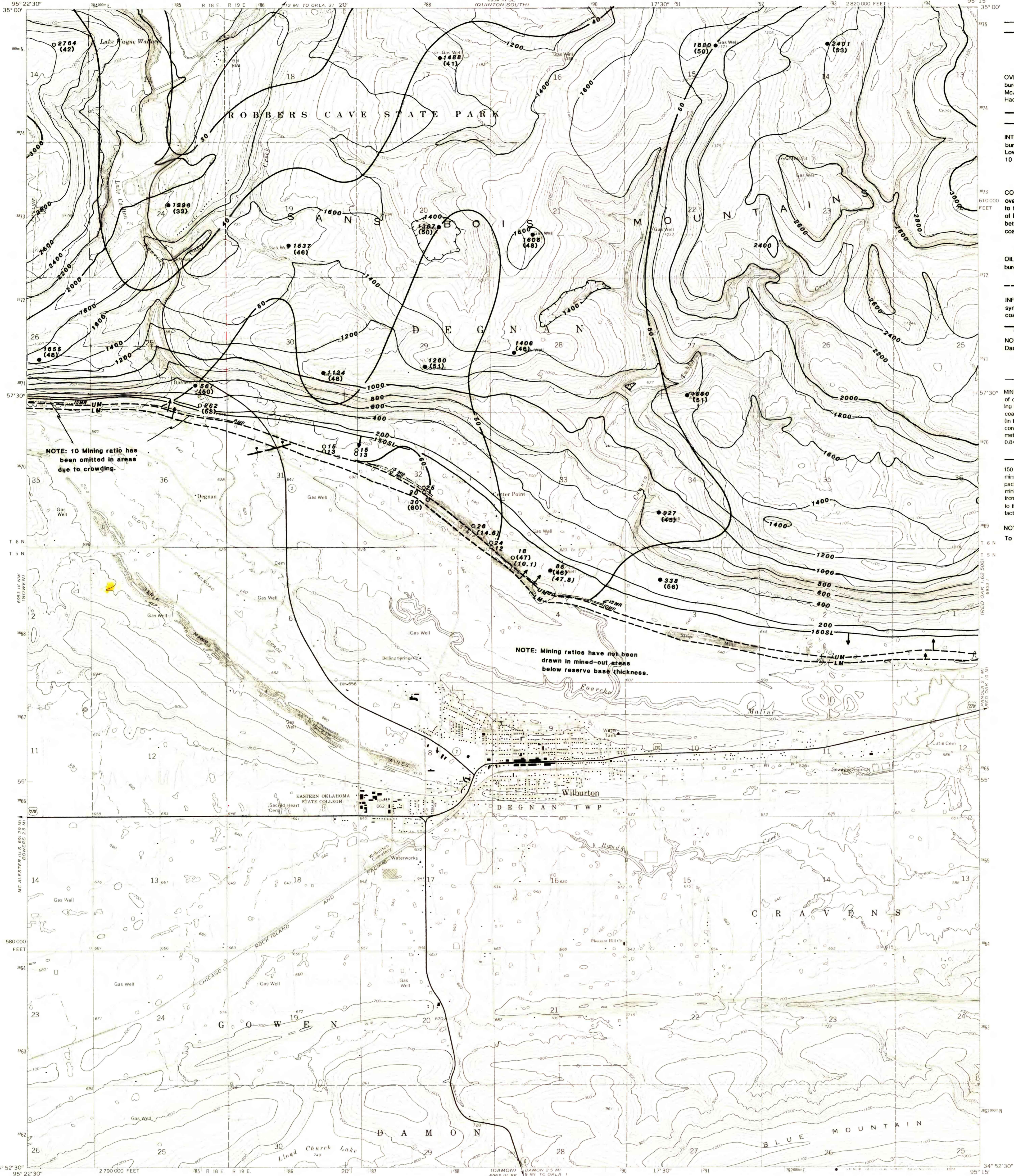


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



EXPLANATION

3000
2800
2600

OVERBURDEN ISOPACHS-Showing thickness of overburden, in feet, from the surface to top of the Upper McAlester coal bed. Isopach interval 200 feet(61.0m.). Hachures indicate an area of local thinning of coal bed.

50
40

INTERBURDEN ISOPACH-Showing thickness of interburden, in feet, between the Upper McAlester and Lower McAlester (Stigler) coal beds. Isopach interval 10 feet(3.05m).

282
O (53)
(10.1)

COAL TEST MEASUREMENT-Showing thickness of overburden, in feet, (upper number) from the surface to top of the Upper McAlester coal bed and thickness of interburden, in feet, (lower number in parentheses) between the Upper McAlester and Lower McAlester coal beds. Mining ratio numbers in brackets.

● 1550
(51)

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

UM

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

NORMAL FAULT-Bar and ball on downthrown 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 (dip down 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: 10 Mining ratio has been omitted in areas due to crowding.

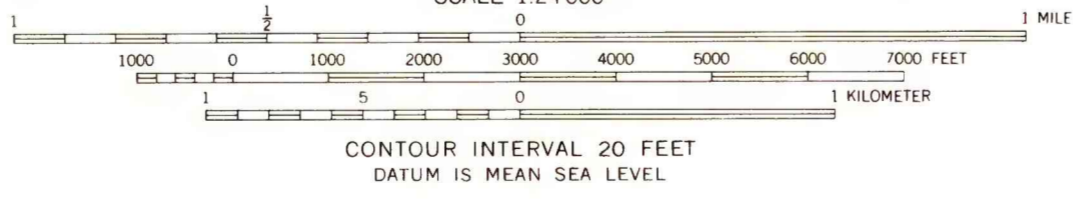
NOTE: Mining ratios have not been drawn in mined-out areas below reserve base thickness.

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.

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

1119 24 MILES
716 133 MILES



Compiled in 1980/1981

WILBURTON, OKLA.
N 3452.5-W 9515.77.5
1971
AMS 6953 IV NE, SERIES V 883

**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 7
INTERBURDEN ISOPACH MAP OF THE UPPER AND LOWER
MCALESTER COAL BEDS AND
OVERBURDEN ISOPACH AND
MINING RATIO MAP OF THE
UPPER MCALESTER COAL BED**