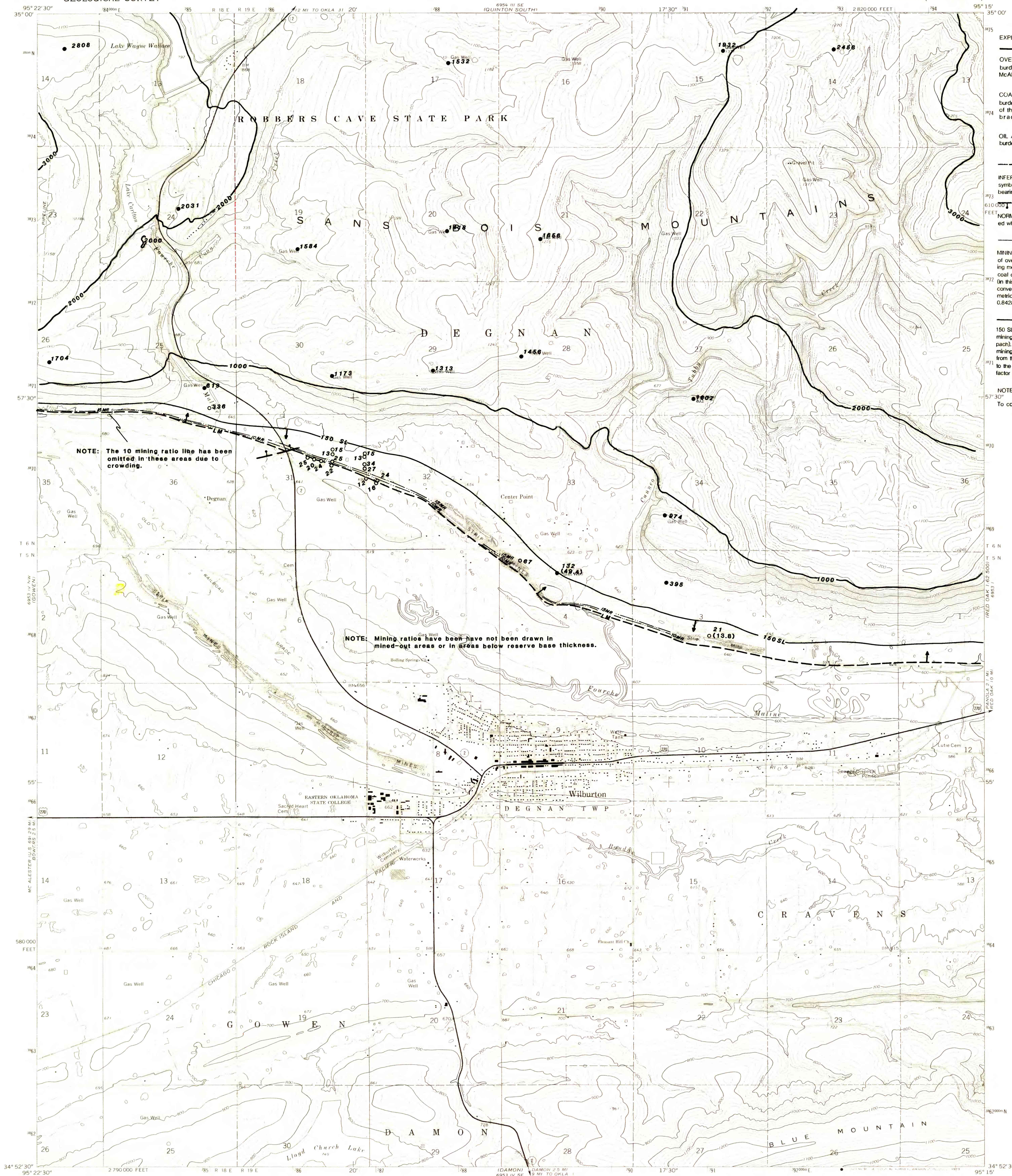


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



EXPLANATION

2000
OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to top of the Lower McAlester coal bed. Isopach interval 1000 feet (305m).
○(13.8)
COAL TEST MEASUREMENT—Showing thickness of overburden, in feet, (upper number) from the surface to top of the Lower McAlester coal bed. Mining ratio in brackets.
●(48.4)
OIL AND GAS TEST HOLE—Showing thickness of overburden as outlined above.

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

—|—
NORMAL FAULT—Bar and ball on downthrown side, dashed where approximately located.

15MFR
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.

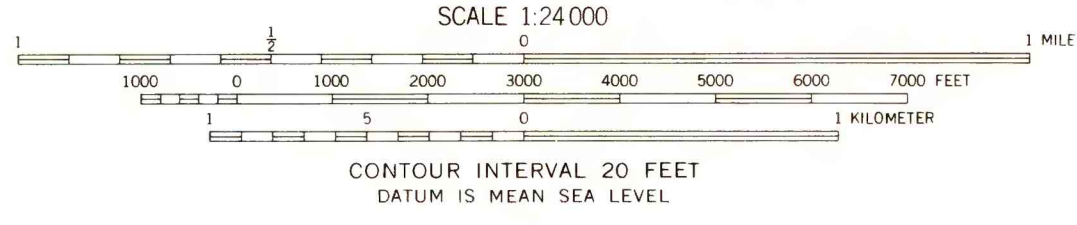
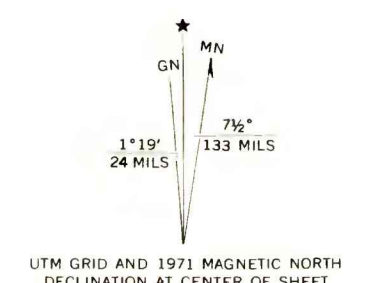
NOTE: Thickness rounded to nearest foot.
To convert feet to meters, multiply feet by 0.3048.

NOTE: The 10 mining ratio line has been omitted in these areas due to crowding.

NOTE: Mining ratios have 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.

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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