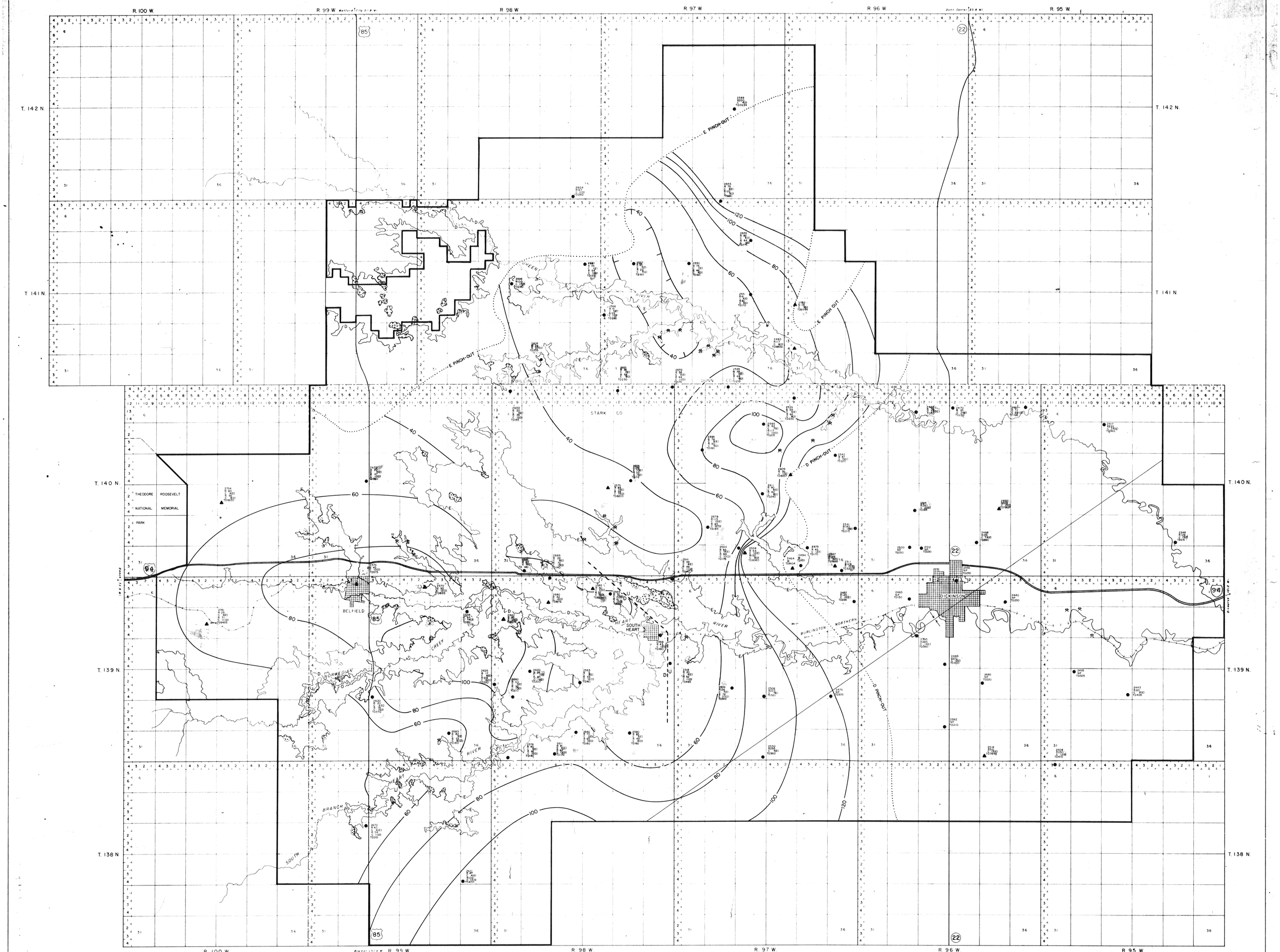
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY






EXPLANATION

- BOUNDARY OF STUDY AREA
- COAL CROP LINE-Approximately located; letters indicate name of bed
- SUBSURFACE LIMIT OF COAL-Letters indicate name of bed
- INTERBURDEN ISOPACH LINE Contour interval 20 feet[1]
- AXIS OF SYNCLINE
- FAULT LINE-Dashed where approximately located
- BAKED AND FUSED ROCK-Dotted line indicates inferred extent of burned coal
- BAKED AND FUSED ROCK OF LIMITED EXTENT
- OUTCROP MEASUREMENT[1]
- ACTIVE MINE
- INACTIVE MINE
- DRILL HOLE (OIL OR GAS WELL)
- DRILL HOLE (WATER WELL)
- SURFACE ELEVATION[1]
- OVERBURDEN (ROCK AND THIN COAL)[1]
- COAL THICKNESS-Heart River (E) Bed
- INTERBURDEN (ROCK AND THIN COAL)[1]
- COAL THICKNESS-Fryburg (D) Bed
- TOTAL DRILL HOLE DEPTH[1]
- M COAL BED MISSING IN DRILL HOLE
- NP DRILL HOLE NOT DEEP ENOUGH TO PENETRATE COAL BED

[1]All measurements in feet (to convert to meters, multiply by 0.3048)

# ISOPACH OF INTERBURDEN BETWEEN HEART RIVER (E) AND FRYBURG (D) COAL BEDS

## DICKINSON AREA, BILLINGS, DUNN, AND STARK COUNTIES, NORTH DAKOTA

SCALE 1:63 360

MILES

KILOMETERS

DATUM IS MEAN SEA LEVEL

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