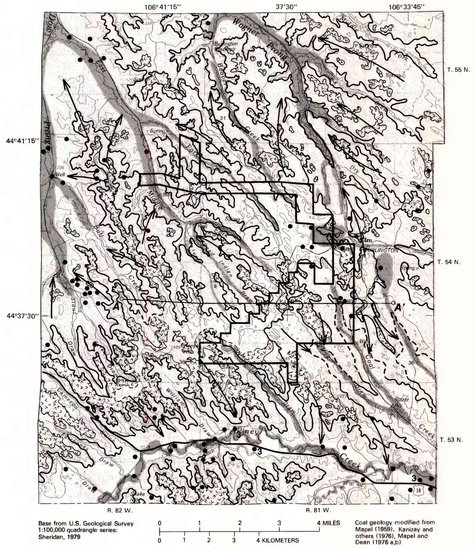
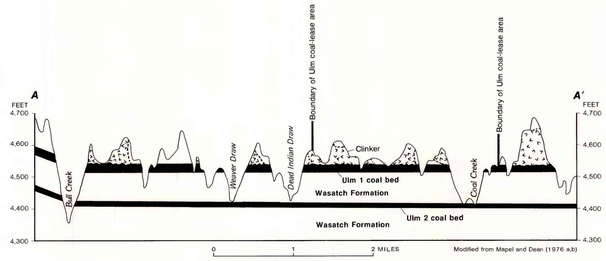
A. ULM COAL-LEASE AREA



CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

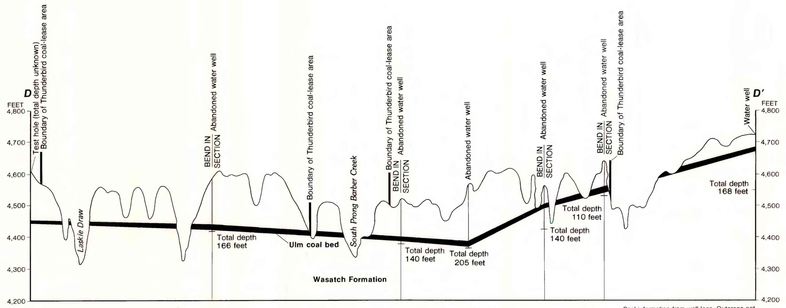


VERTICAL EXAGGERATION X 20
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SECTION A-A′

C. THUNDERBIRD COAL-LEASE AREA

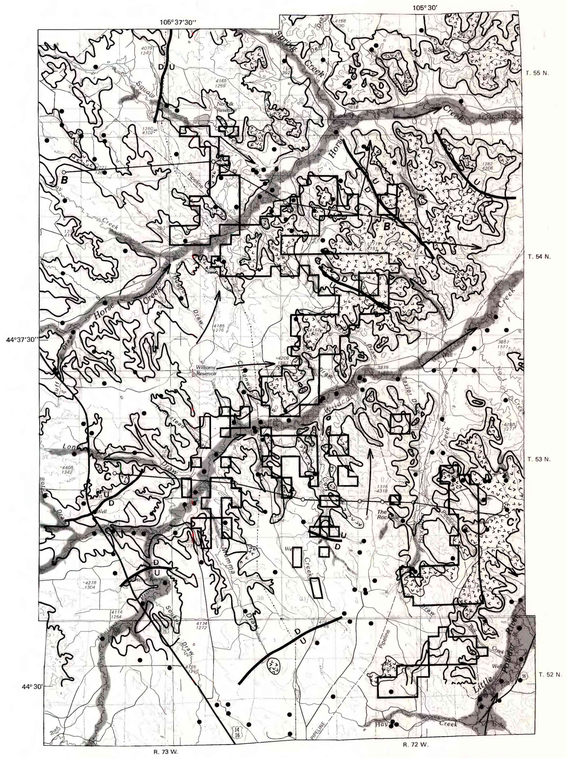
CONTOUR INTERVAL 20 METERS AND 100 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



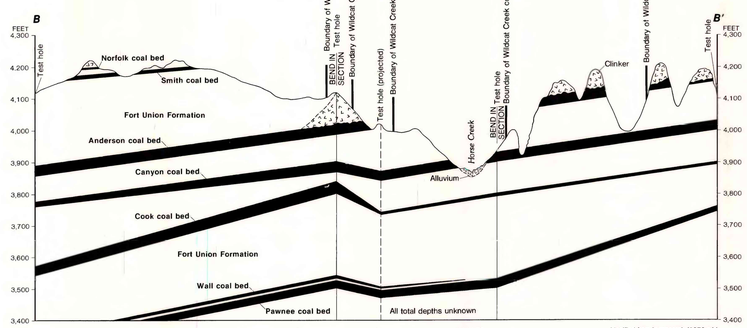
VERTICAL EXAGGERATION X 20
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SECTION D-D′

B. WILDCAT CREEK COAL-LEASE AREA

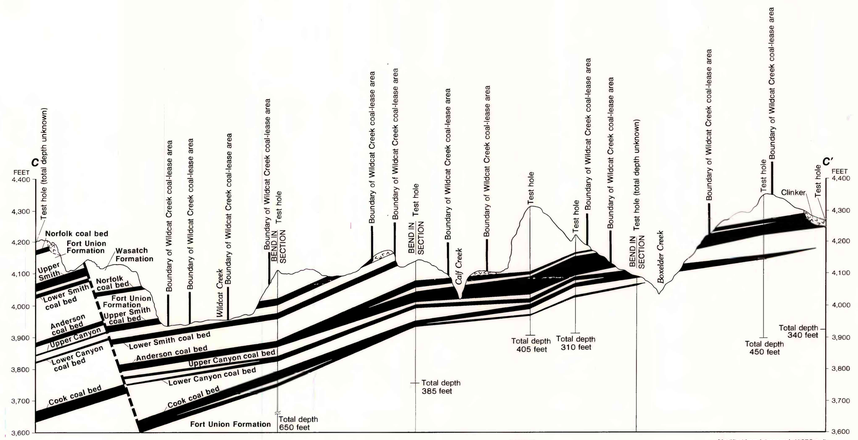


CONTOUR INTERVAL 100 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



VERTICAL EXAGGERATION X 20
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SECTION B-B′



VERTICAL EXAGGERATION X 20
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SECTION C-C′

EXPLANATION

- OUTCROP OF COAL BED--Dashed where approximately located
- CLINKER OUTCROP IN CONTACT WITH COAL BED--Dashed where approximately located
- CLINKER OUTCROP IN CONTACT WITH TERTIARY ROCK (NO COAL BED)--Dashed where approximately located
- U/D FAULT--U, upthrown side; D, downthrown side
- D—D′ LINE OF GEOLOGIC SECTION
- SUBIRRIGATED AREA--Modified from Rusmore and others (1985)
- BOUNDARY OF COAL-LEASE AREA
- BOUNDARY OF EXISTING OR PERMITTED MINE
- GENERAL DIRECTION OF GROUND-WATER FLOW
- 3 WATER WELL--Stock, domestic, irrigation, or industrial. Numeral refers to number of wells at same location
- SPRING OR SEEP
- TEST HOLE--Oil, gas, or coal

MAPS SHOWING CLINKER AND COAL OUTCROPS, GENERAL DIRECTION OF GROUND-WATER MOVEMENT, LOCATION OF WELLS, SPRINGS, AND SUBIRRIGATED AREAS, AND GENERALIZED GEOLOGIC SECTIONS OF THE COAL BEDS IN THREE SELECTED COAL-LEASE AREAS OF THE POWDER RIVER STRUCTURAL BASIN, NORTHEASTERN WYOMING