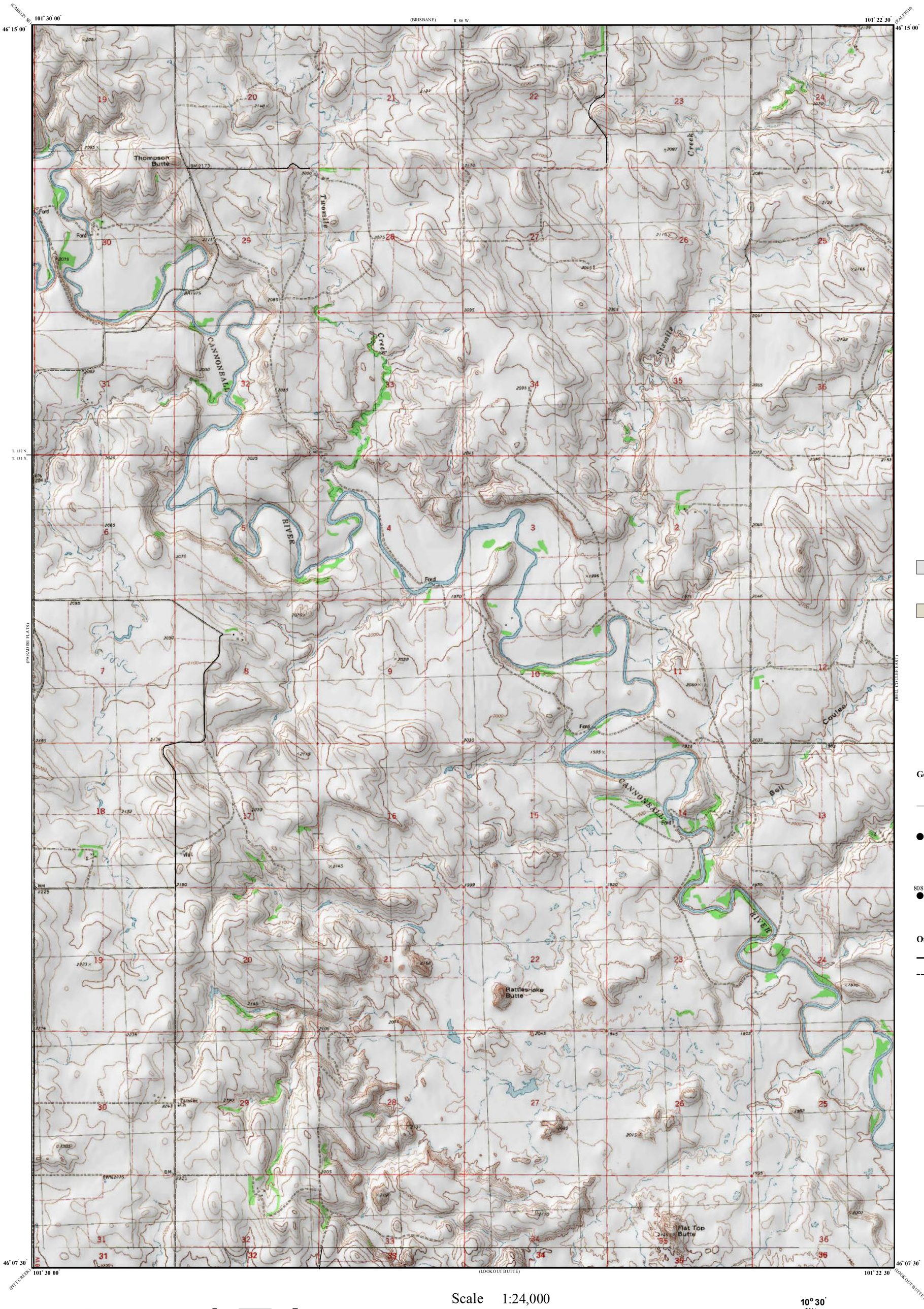
North Dakota Geological Survey
24K: BlC_W - c

Edward C. Murphy, State Geologist
Lynn D. Helms, Director Dept. of Mineral Resources

Lignite Reserves

Bell Coulee West Quadrangle, North Dakota



Edward C. Murphy
2018

UNIT DESCRIPTIONS

GU **Geology Undifferentiated**

I **Economic Coal Deposits**

Economic coal deposits are those that meet the minimum criteria established by coal companies operating surface mines in North Dakota. These economic criteria include a minimum cumulative coal thickness of ten feet-typically occuring in less than two beds, a minimum individual bed thickness of at least 2.5 feet, a ratio of overburden to coal thickness of not more than 10:1, a minimum of 25 feet of overburden, and a maximum depth to coal of approximately 150 feet.

Geologic Symbols

Extent of Local Lignite Reserves

Data Points

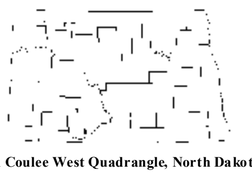
Includes coal exploration NDGS/USGS drill holes, sub-surface mineral drill holes, oil & gas wells, and NDSWC drill holes.

8088
Drill Hole Numbers

Other Features

Paved Road

Unpaved Road



Bell Coulee West Quadrangle, North Dakota

Scale 1:24,000

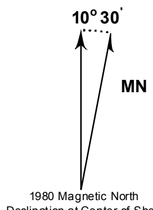
0 0.5 1

Miles

Lambert Conformal Conic Projection Standard Parallels 46° 07' 30" and 46° 15' 00"

1927 North American Datum NGVD 1929

USGS 7.5 Minute Topographic Map - Contour Interval 20 Feet



1980 Magnetic North
Declination at Center of Sheet

Cartographic Compilation: Steve Kranich