

LEGEND

Oligocene and Miocene ?
 White River formation (Oligocene) and Arikaree (?) sandstone (Miocene ?)

UNCONFORMITY

Eocene
 Fort Union formation

Eocene ?
 Lance formation including Cannonball marine member (Tc) and Ludlow lignitic member (Tl)

Upper Cretaceous
 Fox Hills sandstone
 Pierre shale

CRETACEOUS

TERTIARY

 Outcrop of lignite bed
 (Broken lines indicate inferred location. Numbers refer to sections in text and on plates)

 Burned outcrop of lignite bed

 Burned lignite bed
 (Figures indicate the dip in feet per mile)

+ Fd
 Location at which fossils were collected

⊕
 Local lignite mine

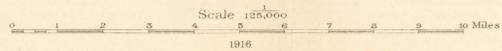
⊙
 Well

⊠
 Prospect

△
 Triangulation station

Base compiled from Land Office plats and special surveys by the authors

GEOLOGIC MAP OF HARDING COUNTY, SOUTH DAKOTA



1916

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