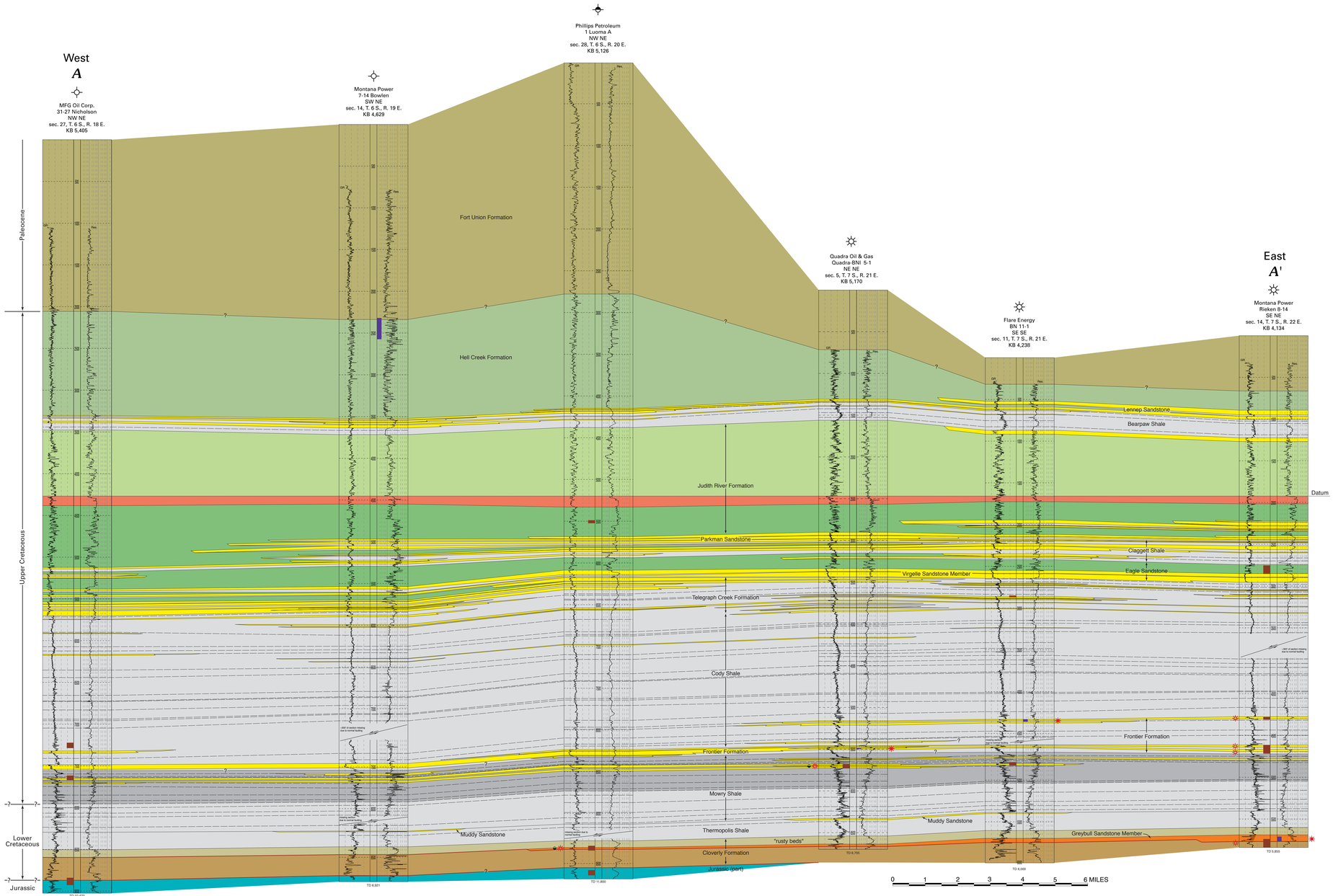


# CROSS SECTION *A–A'* SHOWING CORRELATION OF CRETACEOUS AND LOWER TERTIARY ROCKS ALONG THE NYE-BOWLER LINEAMENT

By
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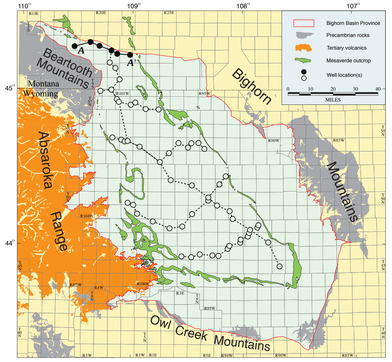
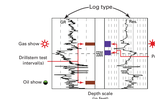
2010




Index map showing the limits of the Bighorn Basin and major structural features. The location of cross section *A–A'* is shown as a solid line and circles. The open circles and dashed lines are the locations of other cross sections in this report.

## EXPLANATION

- Continental sandstone, siltstone, shale, and coal
- Sandstone, siltstone, shale, and coal deposited in fluvial channel, and floodplain environments
- Thin-bedded nonmarine sandstone, siltstone, shale, carbonaceous shale, and coal with some thick lenticular fluvial channel sandstones deposited in poorly drained coastal environments
- Sandstone, siltstone, shale, carbonaceous shale, and coal deposited in coastal plain, alluvial plain, coastal swamp, and lagoonal environments
- Marine, marginal marine, or coastal sandstone or siltstone
- Predominantly fluvial sandstone
- Estuarine and fluvial sandstone
- Nonsiliceous shale, calcareous shale, sandy shale, or silty shale of offshore or prodelta origin
- Siliceous marine shale in the upper part of the Mowry Shale
- Laminated siltstone, shale, and minor amounts of sandstone that accumulated in tidal flats
- Fluvial and lacustrine deposits consisting of interbedded sandstone, variegated shale and claystone, and locally conglomerate near the base
- Undifferentiated sedimentary rocks




- Plugged and abandoned well
- Plugged and abandoned well, oil show
- Gas well

KB Kelly bushing, elevation in feet
TD Total depth, in feet
GR Gamma ray
Res. Resistivity

—?— Unconformity—Queried (?) where uncertain or inferred
– – – – Locally correlatable horizon or marker bed
——?—— Formation and (or) lithologic contact—Queried (?) where uncertain or inferred