



- EXPLANATION**
- Tertiary volcanic rock
 - Frontier/Mowry/Muddy/Thermopolis Formations outcrop
 - Precambrian rock
- Vitrinite Reflectance (%R_r)**
- 2.0+
 - 1.35-2.0
 - 1.1-1.35
 - 0.8-1.1
 - 0.6-0.8
 - <math>< 0.6</math>
- Bighorn Basin Province boundary
 - Line of section (see fig. 7)
 - High-angle fault
 - Thrust fault—Sawtooth on upper plate
 - Contour line—Dashed where estimated. Contour interval varies
 - Well sample point
 - Composite well sample point
 - Outcrop sample point

Base from U.S. Geological Survey, 2010, 1:2,000,000-scale digital data
Lambert Conformal Conic projection
Standard parallels 41° and 45°; Central meridian -107°30'
Latitude of origin 41°; meters
North American Datum of 1983 (NAD 83)

SCALE 1:500,000
0 10 20 30 40 MILES
0 10 20 30 40 KILOMETERS



Manuscript approved for publication January 16, 2014

Map Showing Variations in Vitrinite Reflectance at the top of the Mowry Shale, Bighorn Basin, Wyoming and Montana

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2014

Suggested Citation:
Finn, T.M., and Pawlewicz, M.J., 2014. Maps showing thermal maturity of Upper Cretaceous marine shales in the Bighorn Basin, Wyoming and Montana. U.S. Geological Survey Scientific Investigations Map 3285, 14 p., 3 sheets, scale 1:500,000. <http://dx.doi.org/10.31233/osf.io/3285>

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Publishing support provided by:
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ISSN 2209-132X (online)
<http://dx.doi.org/10.31233/osf.io/3285>