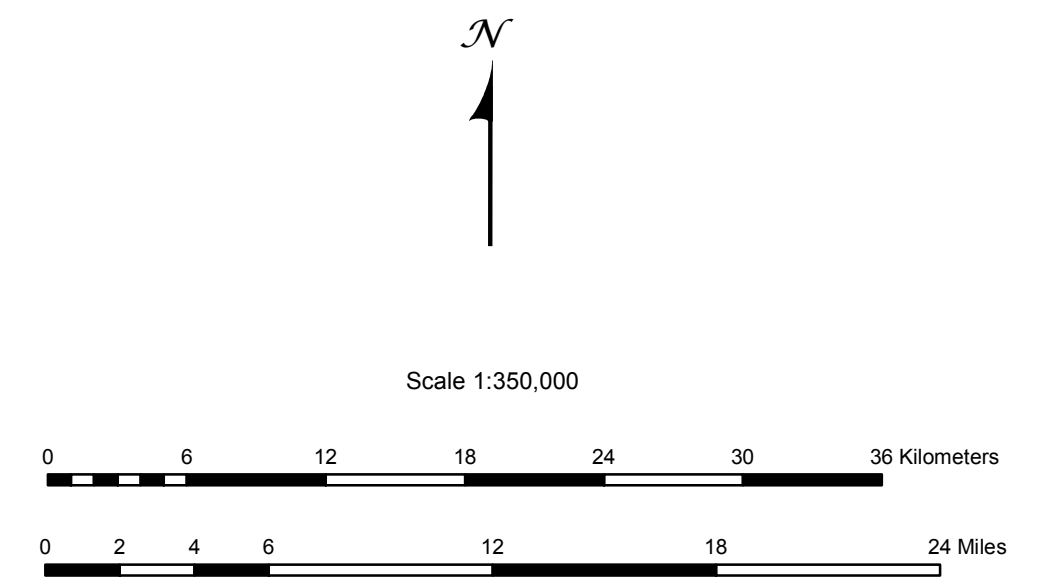


Reported Bottom Hole Temperatures, Overthrust Belt, Wyoming

Compiled by
 John P. Flaherty and Seth J. Wittke
 December, 2013



EXPLANATION

Nugget Sandstone

DEPTH (ft)	TEMP (°F)
• <10,000	• <170
• 10,001 - 20,000	• 171 - 212
• 20,001 - 25,000	• 213 - 300
	• 301 - 425

Frontier Formation

DEPTH (ft)	TEMP (°F)
▲ <10,000	▲ <170
▲ 10,001 - 20,000	▲ 171 - 212
▲ 20,001 - 25,000	▲ 213 - 300
	▲ 301 - 425

Various Formations

DEPTH (ft)	TEMP (°F)
■ <10,000	■ <170
■ 10,001 - 20,000	■ 171 - 212
■ 20,001 - 25,000	■ 213 - 300
	■ 301 - 425

Base Data

- ★ Capital
- ☆ County seat
- Town
- Interstate highway
- US highway
- State highway
- County or other road
- - - County boundary
- State boundary
- Township boundary
- Approximate overthrust boundary

NOTICE TO USERS OF BOTTOM HOLE DATA ORIGIN/STATUS

Bottom Hole Temperatures (BHT) taken from well log header files found at the Wyoming Oil and Gas Conservation Commission (WOGCC - <http://wogcc.state.wy.us/>) have not been corrected or checked for accuracy. This map shows temperatures and depths for the two formations/units with the greatest available BHT data and for a third group of units which combines all remaining records. The specific BHT data used to create the map can be found in the National Geothermal Data System (<http://repository.usgim.org/collection>).

BASE MAP REFERENCES

- Bureau of Land Management, 2011, Cadastral National Spatial Data Infrastructure (CadNSDI) Public Land Survey System (PLSS) for Wyoming, at http://www.geocommunicator.gov/geocomm/isis_home/home/index.htm.
- U.S. Census Bureau, 2010, Cartographic boundary files—states at 1:500,000, at http://www.census.gov/geo/maps-data/cbf/cbf_state.html.
- U.S. Geological Survey, 2002, The National Elevation Dataset: Photogrammetric Engineering and Remote Sensing, v. 68, no. 1, at <http://ned.usgs.gov>.
- Wyoming Geographic Information Science Center, 1996, Cities, towns, census designated places of Wyoming at 1:100,000, at <http://pinney.wygis.sc.uwyo.edu/data/society/city.zip>.
- Wyoming Geographic Information Science Center, 1997, County boundaries for Wyoming at 1:100,000, at <http://pinney.wygis.sc.uwyo.edu/data/boundary/county.zip>.
- Wyoming Geographic Information Science Center, 1997, State boundary of Wyoming at 1:100,000, at http://pinney.wygis.sc.uwyo.edu/data/boundary/state_bnd.zip.
- Wyoming Geographic Information Science Center, 1997, Wyoming roads at 1:100,000, at <http://pinney.wygis.sc.uwyo.edu/data/transportation/road100k.zip>.

NOTICE TO USERS OF INFORMATION FROM THE WYOMING STATE GEOLOGICAL SURVEY

The WSGS encourages the fair use of its material. We request that credit be expressly given to the "Wyoming State Geological Survey" when citing information from this publication. Please contact the WSGS at 307-766-2286, ext. 224, or by email at wsgs.sales@wyo.gov if you have questions about citing materials, preparing acknowledgments, or extensive use of this material. We appreciate your cooperation.

Individuals with disabilities who require an alternative form of this publication should contact the WSGS. For the TTY relay operator call 800-877-9975.

For more information about the WSGS or to order publications and maps, go to www.wsgs.uwyo.edu, call 307-766-2286, ext. 224, or email wsgs.sales@wyo.gov.

DISCLAIMERS

Users of these maps are cautioned against using the data at scales different from those at which the maps were compiled. Using these data at a larger scale will not provide greater accuracy and is, in fact, a misuse of the data.

The Wyoming State Geological Survey (WSGS) and the State of Wyoming make no representation or warranty, expressed or implied, regarding the use, accuracy, or completeness of the data presented herein, or of a map printed from these data. The act of distribution shall not constitute such a warranty. The WSGS does not guarantee the digital data or any map printed from the data to be free of errors or inaccuracies.

The WSGS and the State of Wyoming disclaim any responsibility or liability for interpretations made from these digital data or from any map printed from these digital data, and for any decisions based on the digital data or printed maps. The WSGS and the State of Wyoming retain and do not waive sovereign immunity.

The use of or reference to trademarks, trade names, or other product or company names in this publication is for descriptive or informational purposes only, or is pursuant to licensing agreements between the WSGS or State of Wyoming and software or hardware developers/vendors, and does not imply endorsement of those products by the WSGS or the State of Wyoming.