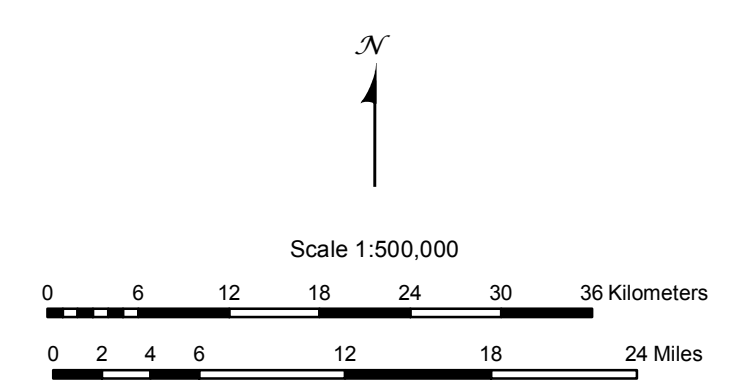


## Reported Bottom Hole Temperatures, Powder River Basin, Wyoming

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



### EXPLANATION

<b>Minnelusa Formation</b>		<b>Base Data</b>
DEPTH (ft)	TEMP (°F)	
● <10,000	● <170	
● 10,001 - 20,000	● 171 - 212	★ Capital
● 20,001 - 25,000	● 213 - 300	☆ County seat
	● 301 - 425	□ Town
<b>Skull Creek Shale</b>		— Interstate highway
DEPTH (ft)	TEMP (°F)	— US highway
▲ <10,000	▲ <170	— State highway
▲ 10,001 - 20,000	▲ 171 - 212	— County or other road
▲ 20,001 - 25,000	▲ 213 - 300	— County boundary
	▲ 301 - 425	— State boundary
<b>Various Formations</b>		□ Township boundary
DEPTH (ft)	TEMP (°F)	□ Approximate basin boundary
■ <10,000	■ <170	
■ 10,001 - 20,000	■ 171 - 212	
■ 20,001 - 25,000	■ 213 - 300	
	■ 301 - 425	

**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.usgin.org/collection>).

**BASE MAP REFERENCES**  
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 Wyoming Geographic Information Science Center, 1997, Wyoming roads at 1:100,000, at <http://pinney.wygis.wyo.edu/data/transportation/road100k.zip>.

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Map Projection: Lambert Conformal Conic  
 False Easting: 500000, False Northing: 200000  
 Central Meridian: -107.5 degrees  
 Standard Parallel 1: 41 degrees North  
 Standard Parallel 2: 45 degrees North  
 Latitude Of Origin: 41 degrees North  
 Linear Unit: Meter  
 Horizontal Datum: North American Datum of 19 83 (NAD 83)  
 National Geodetic Vertical Datum of 1929

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