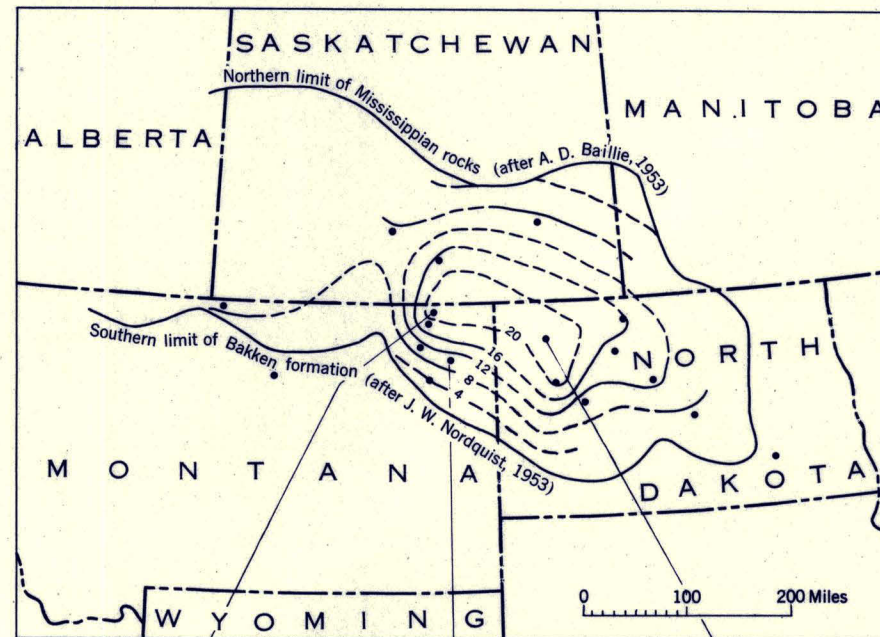
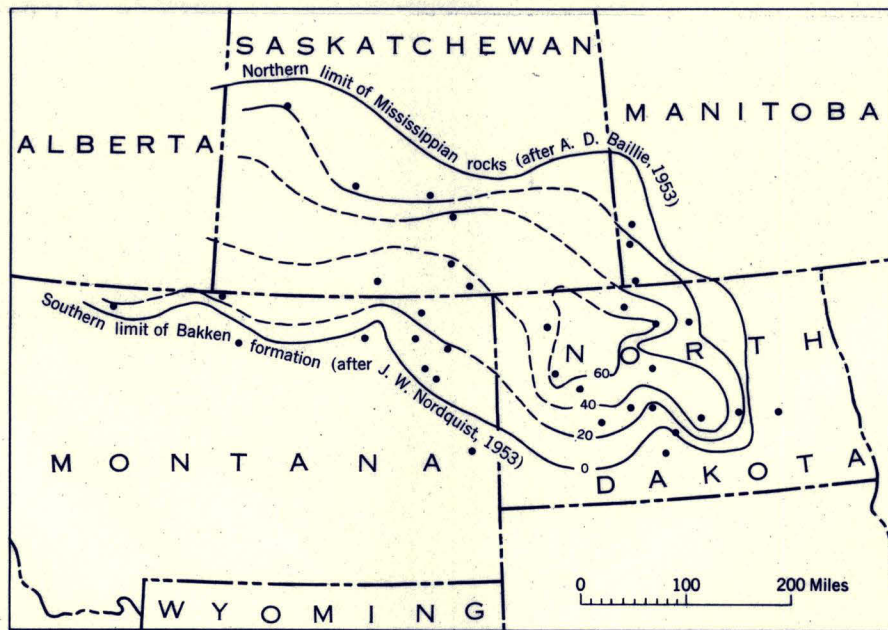


THICKNESS MAP OF THE BAKKEN FORMATION



RADIOACTIVITY MAP OF THE BAKKEN FORMATION



THICKNESS MAP OF BLACK SHALE IN THE BAKKEN FORMATION

EXPLANATION

Locations of oil or gas wells from which thickness or radioactivity measurements were taken

Thickness, in feet; line is dashed where control is poor

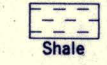
Maximum deflection on gamma-ray log in inches, calculated to Lane Wells sensitivity of 10; line is dashed where control is poor. (Eight inches deflection represents approximately 0.005 percent equivalent uranium)



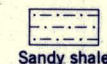
Limestone



Dolomite



Shale



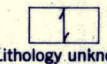
Sandy shale



Calcareous sandstone

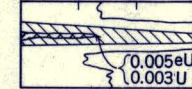


Shaly limestone



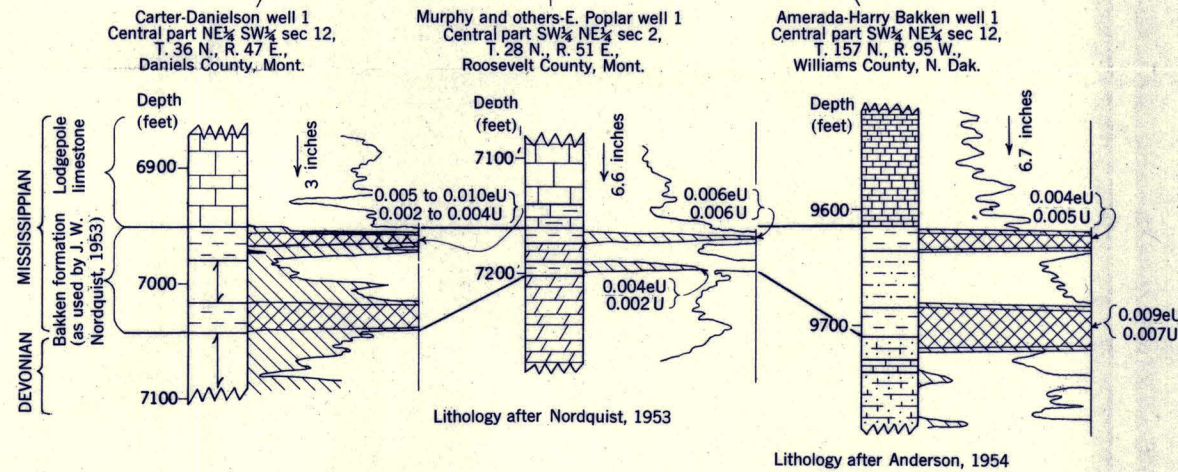
Lithology unknown

Radioactivity increases  
0 1 2 3 Inches deflection



Gamma-ray log curve, showing abnormal deflection. (Curve telescoped to fit column.) 0.005eU is percent equivalent uranium and 0.003U is percent uranium in sample

Lane Wells sensitivity index  
6.6 inches



GRAPHIC SECTIONS SHOWING RADIOACTIVITY AND URANIUM CONTENT OF THE BAKKEN FORMATION, SELECTED WELLS