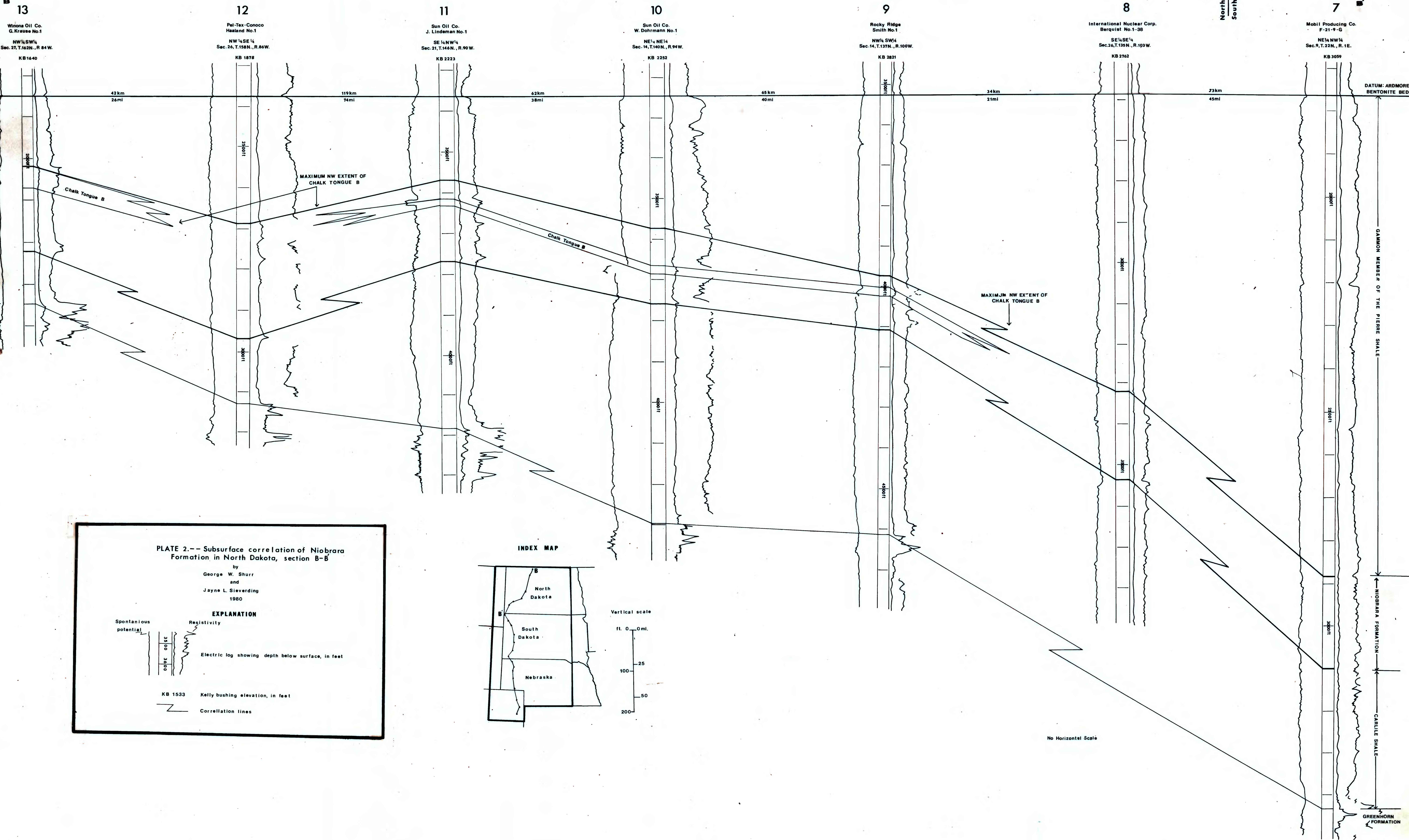


North Dakota  
South Dakota



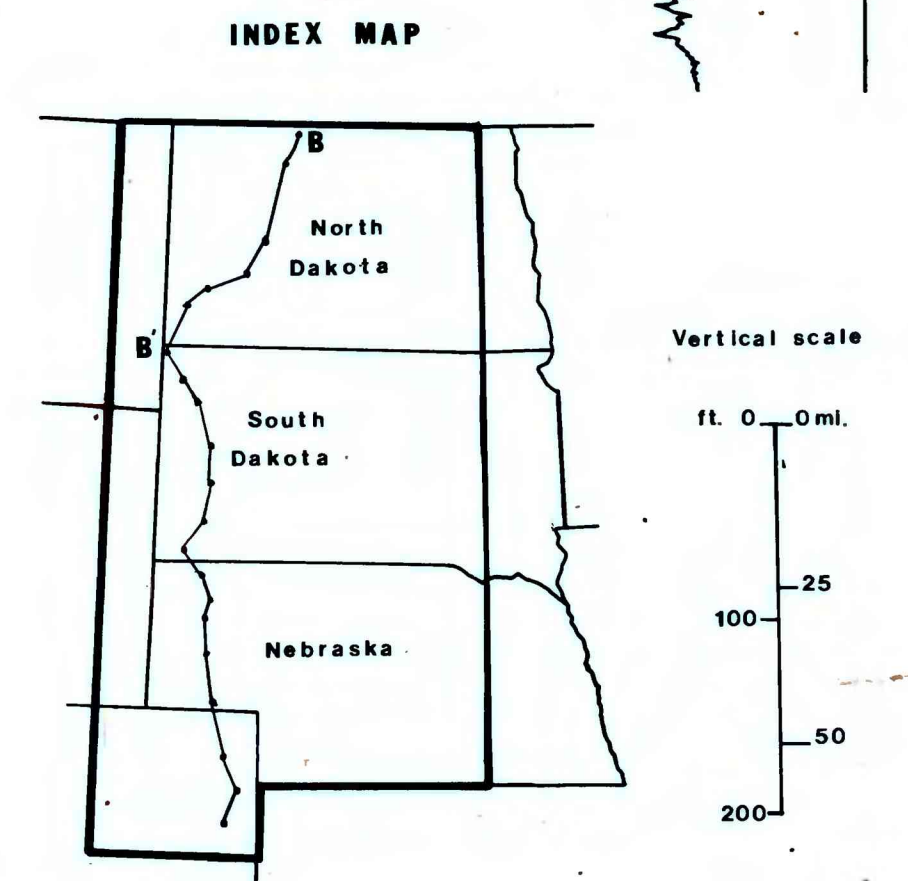
**PLATE 2-- Subsurface correlation of Niobrara Formation in North Dakota, section B-B**  
by  
George W. Shurr  
and  
Jayne L. Sieverding  
1980

**EXPLANATION**

Spontaneous potential  
Resistivity  
Electric log showing depth below surface, in feet

KB 1533 Kelly bushing elevation, in feet

Correlation lines



DATUM: ARDMORE BENTONITE BEDS

GAMMON MEMBER OF THE PIERRE BEDS

NIOBARARA FORMATION

CARLILE SHALE

GREENHORN FORMATION