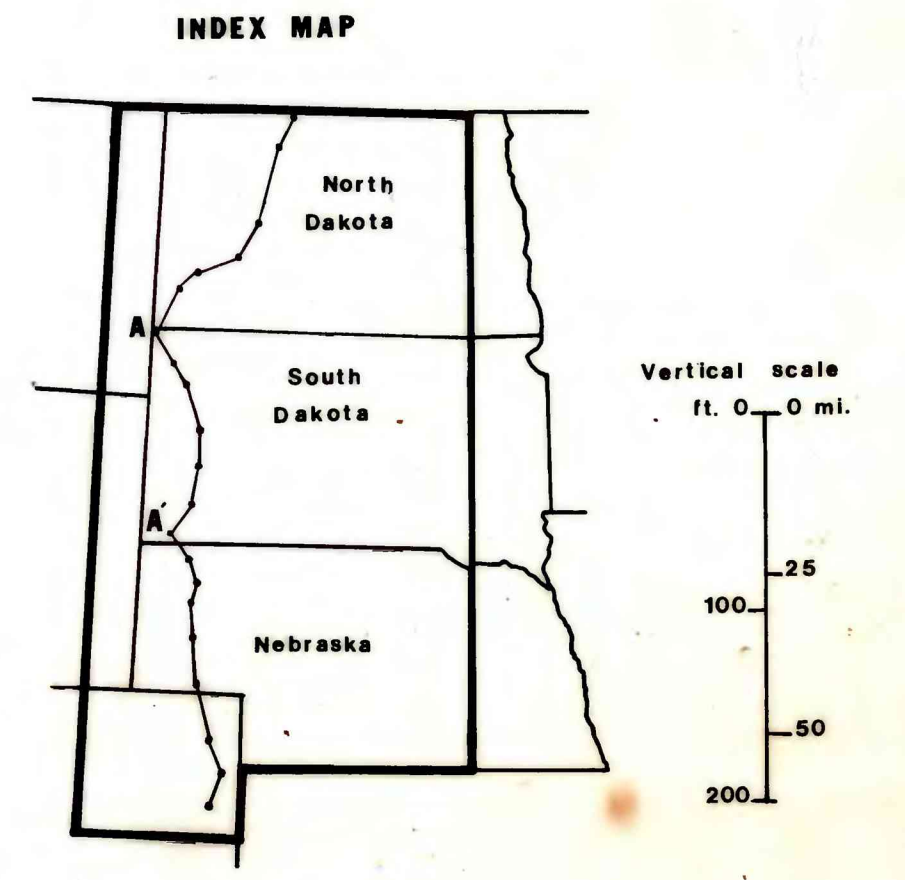


**PLATE 1.-- Subsurface correlation of Niobrara Formation in South Dakota, section A-A**  
by  
George W. Shurr  
and  
Jayne L. Sieverding  
1980

**EXPLANATION**

Spontaneous potential  
Resistivity  
Electric log showing depth below surface, in feet  
KB 1533 Kelly bushing elevation, in feet  
Correlation lines



GREENHORN FORMATION

GAMMON MEMBER, PIERRE SHALE

NIORARA FORMATION

CARLILE SHALE

DATUM: ARDMORE BENTONITE BEDS  
PIERRE SHALE  
NIORARA FORMATION  
CARLILE SHALE  
GREENHORN FORMATION

No Horizontal Scale