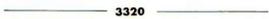
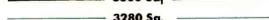
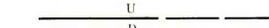
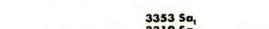
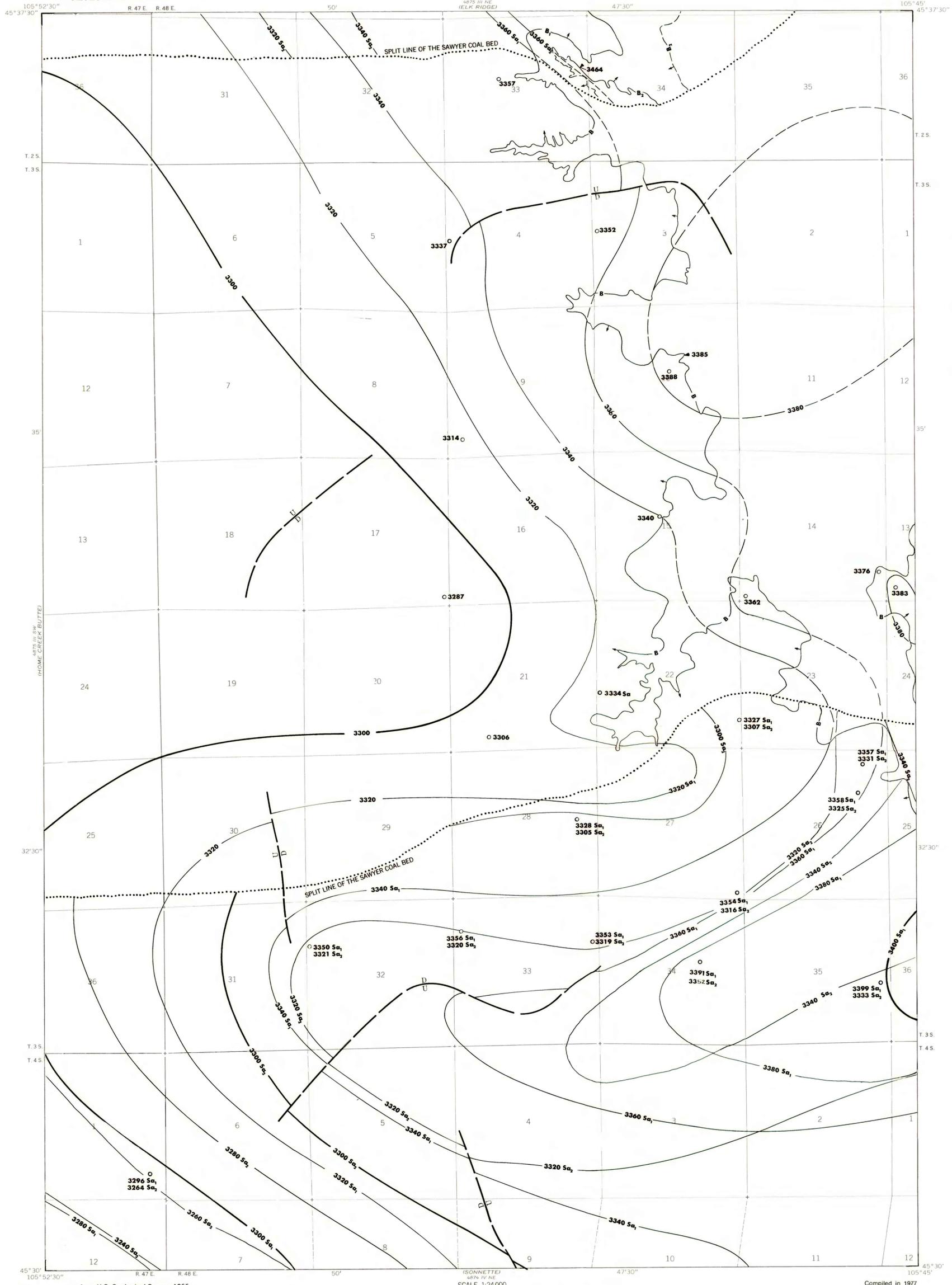


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

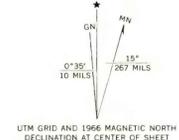
-  **3300**  
 **3320**  
 STRUCTURE CONTOURS—Drawn on the top of the Sawyer coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.
  -  **3300 S<sub>a1</sub>**  
 **3280 S<sub>a1</sub>**  
 STRUCTURE CONTOURS—Drawn on the top of the Upper Sawyer split of the Sawyer coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.
  -  **3300 S<sub>a2</sub>**  
 **3280 S<sub>a2</sub>**  
 STRUCTURE CONTOURS—Drawn on the top of the Lower Sawyer split of the Sawyer coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.
  -  **B 3385**  
 BOUNDARY OF COAL DEPOSIT—Drawn along the outcrop of the coal bed and/or the contact between burned and unburned coal (dashed where inferred by present author toward the limits of original data). Arrows point toward coal-bearing area. Number at triangle is altitude, in feet, at the top of the coal bed taken from topographic map at a point of coal thickness measurement. Subscript number on B indicates which coal split boundary is shown.
  -  **U**  
**D**  
 FAULT—Dashed where approximately located. U, up-thrown side; D, downthrown side.
  -  **3353 S<sub>a1</sub>**  
**3319 S<sub>a2</sub>**  
 DRILL HOLE—Showing altitude at the top of the coal bed, in feet.
- To convert feet to meters, multiply feet by 0.3048.



Base map from U.S. Geological Survey, 1966

SCALE 1:24000

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE SAMUELSON RANCH QUADRANGLE,  
POWDER RIVER COUNTY, MONTANA**  
BY  
**COLORADO SCHOOL OF MINES RESEARCH INSTITUTE**  
1979