

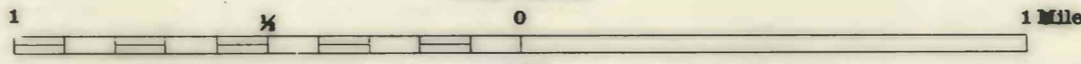
- Qs  
Surficial deposits
- Qg  
Gravel  
(Residual gravel; probably derived from erosion of the Wind River formation)
- Twdu  
Wind River formation, Twdu; Upper part Twdu; lower part Twdu
- Tf  
Fort Union formation
- Kile  
Lance formation and Lewis shale, undifferentiated
- Kmv  
Mesaverde formation
- Kc  
Cody shale

- Contact  
Can be located within 30 feet horizontally.
- Contact  
Can be located within 30 to 200 feet horizontally.
- Contact  
Cannot be located accurately; probable error greater than 200 feet horizontally.
- Resistant bed within a formation  
May be traceable only locally.
- Strike and dip of beds  
Computed by photogrammetric methods.
- Approximate strike and dip of beds  
Based on photo-interpretation.
- Inferred strike and dip of beds  
Based on photo-interpretation of areas where bedding is obscure.
- Horizontal beds
- County boundary
- Surveyed line

PHOTOGEOLOGIC MAP  
OF THE  
MILES RANCH QUADRANGLE  
FREMONT AND NATRONA COUNTIES, WYOMING

By  
J.P. Minard

Scale 1:94,000



1980

Base map modified from U. S. Geological Survey topographic map, Miles Ranch Quadrangle, Wyoming.

Photogeologic compilation by Kajah Plotter methods completed in April 1965. Compilation primarily from photogeology of 1:50,000 scale, June 1964, supplemented by photogeology of 1:25,000 scale, October and November 1964.

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Stratigraphic column for this area modified from U. S. Geol. Survey Geol. Map of Wyoming, 1955; U. S. Geol. Survey Oil and Gas Inv. Chart OC 49, 1954; Wyoming Geol. Assoc. Annual Field Conference Guidebooks 9, 8, and 3, 1954, 1953, and 1949; Geol. Soc. America Bull., v. 46, pp. 655-696, 1934; U. S. Geol. Survey Bull. 641-1, 1915; and written communication from H. D. Zeller, P. E. Soliter and H. J. Hyden, R. M. Thompson and V. L. White. Geographic and geologic field data from references cited above and U. S. Geol. Survey topo. map, Miles Ranch Quadrangle, Wyoming.