

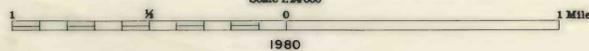
EXPLANATION

- Qs  
Surficial deposits
  - Qg  
Gravel  
(Residual gravel; probably derived from erosion of the Wind River formation)
  - Twd  
Wind River formation
  - Tf  
Fort Union formation
  - Kl  
Lance formation
  - Klc  
Lewis shale
  - Kmv  
Mesaverde formation
  - Kc  
Cody shale
- 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.
- Fault  
U, upthrown side; D, downthrown side.  
Dashed where approximately located; dotted where concealed. Questioned where probable.
- Anticline  
Showing crest line and direction of plunge  
Dashed where approximately located.
- Syncline  
Showing trough line and direction of plunge  
Dashed where approximately located.
- Linear feature uninterpretable on photograph  
May be geologically significant.
- Strike and dip of beds  
Based on field measurement.
- Strike and dip of beds  
Computed by photogrammetric methods.
- Approximate strike and dip of beds  
Based on photointerpretation.
- Strike of vertical beds  
Based on photointerpretation.
- Surveyed line

PHOTOGEOLOGIC MAP  
OF THE  
LOVE RANCH QUADRANGLE  
FREMONT COUNTY, WYOMING

By  
J. P. Minard

Scale 1:24,000



1980

Base map modified from U. S. Geological Survey topographic map, Love Ranch Quadrangle, Wyoming.  
Photogeologic compilation by Keith Plotter methods completed in April 1958. Completion primarily from photography of 1:80,200 scale, June 1954, supplemented by photography of 1:28,400 scale, October and November 1949.  
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, 1985; U. S. Geol. Survey Oil and Gas Inv. Chart OC 48, 1984; Wyoming Geol. Assoc. Annual Field Conference Guidebooks 9, 8, and 3, 1954, 1953, and 1949; Geol. Soc. America Bull., v. 46, pp. 685-696, 1934; U. S. Geol. Survey Bull. 841-1, 1915; and written communication from H. D. Zeller, P. E. Solter, 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, Love Ranch Quadrangle, Wyoming.