

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

**GEOLOGIC MAP OF THE VIRGINIA DALE QUADRANGLE,
LARIMER COUNTY, COLORADO, AND ALBANY AND
LARAMIE COUNTIES, WYOMING**

**By William A. Braddock, David H. Eggler, and
Terry R. Courtright**

GEOLOGIC QUADRANGLE MAP
Published by the U.S. Geological Survey, 1989

GEOLOGIC MAP SYMBOLS **COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY** (Special symbols are shown in explanation)

	Contact – Dashed where approximately located; short dashed where inferred; dotted where concealed
	Contact – Showing dip; well exposed at triangle
	Fault – Dashed where approximately located; short dashed where inferred; dotted where concealed
	Fault, showing dip – Ball and bar on downthrown side
	Normal fault – Hachured on downthrown side
	Fault – Showing relative horizontal movement
	Thrust fault – Sawteeth on upper plate
	Anticline – Showing direction of plunge; dashed where approximately located; dotted where concealed
	Asymmetric anticline – Short arrow indicates steeper limb
	Overturned anticline – Showing direction of dip of limbs
	Syncline – Showing direction of plunge; dashed where approximately located; dotted where concealed
	Asymmetric syncline – Short arrow indicates steeper limb
	Overturned syncline – Showing direction of dip of limbs
	Monocline – Showing direction of plunge of axis
	Minor anticline – Showing plunge of axis
	Minor syncline – Showing plunge of axis

Strike and dip of beds – Ball indicates top of beds known from sedimentary structures		
	Inclined	
	Vertical	
Strike and dip of foliation		
	Inclined	
	Horizontal	
Strike and dip of cleavage		
	Inclined	
	Horizontal	
Bearing and plunge of lineation		
	Inclined	
	Horizontal	
Strike and dip of joints		
	Inclined	
	Horizontal	
Note: planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be combined with linear symbols to record data observed at same locality by superimposed symbols at point of observation. Coexisting planar symbols are shown intersecting at point of observation.		
Shafts		
	Vertical	
Adit, tunnel, or slope		
	Accessible	
	Prospect	
Quarry		
	Active	
Gravel pit		
	Active	
Oil well		
	Drilling	
	Gas	
	Oil	