DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY

GEOLOGIC MAP OF THE FORT LOGAN QUADRANGLE, JEFFERSON, DENVER, AND ARAPAHOE COUNTIES, COLORADO

By Robert M. Lindvall

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	Strike and dip of beds—Ball indicates top of beds known from sedimentary structures
Å ⁴⁵ ▼		Inclined
	Contact—Showing dip; well exposed at triangle	
	The Dark Labour comments and be	Strike and dip of foliation
	Fault—Dashed where approximately located; short dashed where inferred;	Inclined → Vertical → Horizontal
	dotted where concealed	Strike and dip of cleavage
20	Fault, showing dip—Ball and bar on downthrown side	
		Bearing and plunge of lineation
	Normal fault—Hachured on down- thrown side	/5 Inclined ◆ Vertical ← Horizontal
		Strike and dip of joints
	Fault—Showing relative horizontal movement	40 Inclined Vertical + Horizontal
		Note: Planar symbols (strike and dip
	Thrust fault—Sawteeth on upper plate	of beds, foliation or schistosity, and cleav- age) may be combined with linear
←	Anticline—Showing direction of plunge; dashed where approximately located; dotted where concealed	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.
	Asymmetric anticline—Short arrow indicates steeper limb	at point of observation.
_	Ot	Shafts
A	Overturned anticline—Showing direction of dip of limbs	☑ Vertical
4	. Syncline—Showing direction of plunge;	Adit, tunnel, or slope
1	dashed where approximately located;	≻-Accessible ≻-Inaccessible
	dotted where concealed	X Prospect
	Asymmetric syncline—Short arrow indicates steeper limb	Quarry
	0 . 1 1 01 1	X Active X Abandoned
	Overturned syncline—Showing direction of dip of limbs	Gravel pit
1	Monadina Chawing direction of alumas	X Active X Abandoned
4	Monocline—Showing direction of plunge of axis	Oil wells
→ ²⁰	Minor anticline—Showing plunge of axis	○ Drilling ◇ Shut-in → Dry hole, ☆ Gas → Show of gas abandoned
 €0	Minor syncline—Showing plunge of axis	● Oil ● Show of oil