DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

GEOLOGIC MAP OF THE HORSETOOTH RESERVOIR QUADRANGLE, LARIMER COUNTY, COLORADO

By William A. Braddock, Ronald H. Calvert, Joseph T. O'Connor, and Gordon A. Swann

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	Strike and dip of beds – Ball indicates top of beds known from sedimen- tary structures
<u></u>	Contact – Showing dip; well exposed at triangle	→ ²⁰ Inclined ⊕ Horizontal →→ Vertical →→ Overturned
-	Fault – Dashed where approximately located; short dashed where inferred; dotted where concealed	Strike and dip of foliation ²⁰ Inclined Vertical Horizontal Strike and dip of cleavage
t ²⁰	Fault, showing dip – Ball and bar on downthrown side	¹⁵ Inclined → Vertical → Horizontal Bearing and plunge of lineation
	Normal fault – Hachured on downthrown side	⁷⁵ ← Inclined ◆ Vertical ←→ Horizontal
	Fault - Showing relative horizontal movement	Strike and dip of joints
	Thrust fault – Sawteeth on upper plate	Note: planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be combined with linear symbols to record data
←── ┼ ─ ─ ─ · · · ·	Anticline – Showing direction of plunge; dashed where approximately located; dotted where concealed	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	
<u>-</u>	Overturned anticline – Showing direction of dip of limbs	Shafts Vertical p Inclined
←−−− ;;;;	Syncline – Showing direction of plunge; dashed where approximately located; dotted where concealed	Adit, tunnel, or slope → Accessible → Inaccessible
	Asymmetric syncline – Short arrow indicates steeper limb	x Prospect Quarry
<u>U</u>	Overturned syncline – Showing direction of dip of limbs	☆ Active ☆ Abandoned Gravel pit
	Monocline – Showing direction of plunge of axis	X Active X Abandoned Oil well
	Minor anticline – Showing plunge of axis	o Drilling ∲ Shut-in ∲ Dry hole ☆ Gas ∻ Show of gas abandoned
- 	Minor syncline Showing plunge of axis	● Oil