DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOLOGIC MAP OF THE TOWER JUNCTION QUADRANGLE, YELLOWSTONE NATIONAL PARK, WYOMING AND MONTANA

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GEOLOGIC QUADRANGLE MAP
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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 · Horizontal · Vertical · Overturned

Strike and dip of foliation

Inclined · Vertical · Horizontal

Strike and dip of cleavage

Inclined · Vertical · Horizontal

Bearing and plunge of lineation

Inclined · Vertical · Horizontal

Strike and dip of joints

Inclined · Vertical · 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 · Inclined

Adit, tunnel, or slope

Accessible · Inaccessible

Prospect

Quarry

Active · Abandoned

Gravel pit

Active · Abandoned

Oil well

Drilling · Shut-in · Dry hole abandoned

Gas · Show of gas

Oil · Show of oil