



**EXPLANATION**

**Fault, showing dip**  
 1/4 upstream side, 1/4 downstream side. Dip obtained from lower mine workings.

**Contour on the top of the Metaine Limestone**  
 Contour interval 100 feet

**Gap in structure contours between hanging and foot wall sides of major normal faults**

**Glory hole**

**Incline**  
 Cherting part down

**Outline of drift and stopped area**  
 Shows altitude along drill. Details of slope areas not shown because of scale

**883 (hole number)**  
 1650' (altitude of the top of the Metaine Limestone)

**800 (f)**  
 Slate and limestone are in fault contact where cut by 018

**2241E**  
 Altitude at which drill cut the eroded surface of the Metaine Limestone

**Surface diamond-drill hole**  
 Hole number system:  
 G-Grandview property  
 AZ-Altitude in feet  
 NS-North-South direction of hole  
 on Pend Oreille property  
 No prefix-Pend Oreille property

**Hole surveyed at depth**  
 Shows course of hole and position and altitude of the top of the Metaine Limestone

**1650' (f)**  
 Deep drill hole NOT surveyed at depth  
 Estimated position and altitude of the top of the Metaine Limestone

**AZ**  
 NS  
 Deep drill hole, not surveyed at depth  
 Not used in structural interpretation

**Note:** Most of the drill holes have not been surveyed at depth, and, unless otherwise designated or inferred by queries, it is assumed that the hole is vertical or nearly vertical. Many holes drilled from within the mines and not shown on the map were used in compiling this structure map.

Map shows principal faults, extent of mine workings as of June 1955, and location of surface diamond-drill holes in and bordering the areas covered by slate. Contours on top of the Metaine Limestone (Cambrian) where it is in normal contact with the overlying Leebetter Slate (Ordovician).

STRUCTURE CONTOUR MAP OF THE PEND OREILLE AND GRANDVIEW MINES AREA, PEND OREILLE COUNTY, WASHINGTON, SHOWING PRINCIPAL FAULTS, EXTENT OF MINE WORKINGS, AND LOCATION OF SURFACE DIAMOND DRILL HOLES