

Geologic Map of the Silver City 7.5' Quadrangle, Grant County, New Mexico

Photographs

Photograph Captions

- 0009 Exposure of Tc along Highway west of the Continental Divide showing faults in finer-grained sandstone and conglomeratic facies. View is to the north.
- 0011 Coarser sandstone and conglomerate in Tc near Continental Divide. View is to the north.
- 0025 Outcrop of silicified Bliss Formation about one mile northwest of the intersection of the Treasure Mountain Fault and the Boston Hill Fault. View is to the south.
- 0030 Exposure of the Treasure Mountain Fault in Wind Canyon. View is to the west. A red clay gouge zone 0.5 meters thick separates Tc on the left from highly fractured Xs on the right.
- 0035 Rounded xenoliths of Xs are surrounded by coarse-grained, K-feldspar porphyritic granite in a road-cut near the head of Wind Canyon.
- 0039 Exposure of foliated and contorted amphibolite (Xa).
- 0041 Exposure of the lower part of the Pohan member of the Montoya Formation, showing typical chert-free massive bedding and gnarly weathering.
- 0058 Outcrop of foliated Xg north and west of Fleming Canyon.
- 0072 Outcrop of the lower part of the Bliss Formation about one mile west of Chloride Flat.
- 0079 Typical bedding-plane exposure of the El Paso Formation showing stringy cherts parallel to bedding surfaces that are probably silicified worm traces.
- 0104 The basal few meters of the Bliss Formation here west of McComas Peak shows abundant vertical *Skolithos* trace fossils.
- 0111 Outcrop of Xq about $\frac{3}{4}$ mile southwest of McComas Peak shows iron-oxide banding within a very pure orthoquartzite.
- 0127 A typical silicified coral containing radiating hexagonal pillars within the Lower member of the Fusselman Formation about $\frac{1}{3}$ miles east of Boston Hill.
- 0130 A nice view of Silver City looking northeast from Boston Hill.

- 0131 Outcrop of the Ready Pay member of the Percha Shale exposed on the far east side of Boston Hill just down-slope from the intrusive contact.
- 0134 Typical exposure of the Aleman member of the Montoya Formation, on the south side of Boston Hill. Note regularly spaced 1-3 cm-thick planar chert beds.
- 0138 Good fault exposure in the open-pit mine immediately south of Boston Hill. The mine here roughly parallels the fault zone. View is to the south-southwest.
- 0140 Outcrop of the Upper member of the Fusselman Formation northeast of Boston Hill showing darker irregularly shaped zone of mineralization.
- 0144 Typical bouldery exposure of Xg about one mile northwest of Fleming Canyon.
- 0147 Another exposure of the Aleman member of the Montoya Formation, on the south side of Boston Hill. Note solution crevices near the top filled with brown soil.
- 0157 Typical exposure of the Box member of the Percha Shale on the east side of Chloride Flat showing nodular and lenticular limestone concretions interspersed throughout fossiliferous limey shale.
- 0181 Typical exposure of the Lake valley Limestone on the east side of Chloride Flat showing pinkish gray nodular chert within fossiliferous (crinoid-rich) massive to thick-bedded limestone.
- 0219 Good exposure of the upper chert-rich part of the Pohan member of the Montoya Formation exposed on the southeast end of Little Bear Mountain.













































