

3570 0005

Lincoln Co. General Item 31PROPERTY NAME: Culverwell ProspectCounty: Lincoln

OTHER NAMES: \_\_\_\_\_

Mining District: PennsylvaniaMINERAL COMMODITY(IES): Cu, Ag?, Au?, W?AMS Sheet: CalienteTYPE OF DEPOSIT: Vein, contact metasomaticQuad Sheet: Ella Mtn. 7 1/2'

ACCESSIBILITY: \_\_\_\_\_

Sec. Unsurv., T 6S, R 67E

OWNERSHIP: \_\_\_\_\_

Coordinate (UTM):

North 4 1 4 2 8 9 0 mEast 0 7 2 3 9 7 0 mZone +11

PRODUCTION: \_\_\_\_\_

HISTORY: \_\_\_\_\_

DEVELOPMENT: One NE-SW trench & sinuous N-S trending prospect in altered & silicated sediments.  
Propsect is about 5' wide, 3-4' deep, & several 10's of feet in length.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Host rock is bedded sequence of limestone, limey mudstone, sandy limestone & quartzite shown as undivided Cambrian sediments & Prospect Mtn. Quartzite on the generalized county geology map. The sediments are faulted, but in general the beds dip ~~26~~45° to E.

The dominant rock type at prospects is limestone. Most of the exposed rock is altered, either silicated to light green or dense, dark, green-brown tactite or bleached & recrystallized to a white crystalline marble. The rocks are cut by irregular, Fe-stained, siliceous lenses & quartz veins which show gossany portions & oxidized sulfides. The prospect appears to follow a N-S fault or quartz vein system which is thought to be a southern extension of the Pennsylvania vein. Silication indicates rocks are locally intruded by dikes or other intrusive bodies as shown on USGS Map & county report. However, no intrusive rocks were observed in the immediate area.

Sample 1706 consists of quartz vein & quartz-cemented sedimentary breccia with clots & crystals of oxidized pyrite, chalcopyrite, & surface coatings of Cu-Fe-Mnoxes. Vein material has small vugs lined with Mn-coated quartz crystals & radiating malachite. Thin, open-centered vein lets cut more massive, sugary vein material. Sampled vein is dark grey (especially in areas containing crystals of unoxidized pyrite) indicating a high percentage of dispersed sulfides (Ag mins?)

REMARKS: Sample - 1706REFERENCES: NBMG Bull. 73; USGS Map I - 1041EXAMINER: Bentz/SmithDATE VISITED: 9/13/83