

**EXPLANATION**

- Arkosic pebble conglomerate
- Arkosic sandstone
- Red shale and siltstone (Undifferentiated)
- Limestone
- Gray shale

*Sangre de Cristo formation*

PENNSYLVANIAN AND PERMIAN (?)

**Lithologic contact**  
Dashed where inferred, dotted where concealed

**Fault, showing relative movement**  
Dashed where approximately located

**Strike and dip of beds**  
150

**Outcrop of copper minerals or radioactive materials**  
16-127 (BZ-28)

**Prospect trench**  
16-127 (BZ-28)

Location number—Sample numbers, numbers in parentheses are Baltz and Zeller sample localities (See TEI 338)

**Old pit**

**Fence**

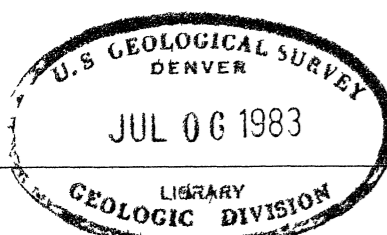
SAMPLE DATA

Field Number	Width (Feet)	eU	U (Percent)	Cu	Description	Field Number	Width (Feet)	eU	U (Percent)	Cu	Description	Field Number	Width (Feet)	eU	U (Percent)	Cu	Description
122	2.5	0.004	—	0.14	Gray-green carbonaceous shale	136	1.5	0.012	0.008	2.10	Gray-green siltstone	151	0.6	0.002	—	0.66	Green and brown clay shale
123	3.5	0.004	—	0.32	" "	137	2.7	0.005	—	0.81	Black carbonaceous shale	152	4.2	0.005	—	1.57	Carbonaceous shale and siltstone
124	1.7	0.003	—	0.05	Olive-brown micaceous shale	138	2.0	0.004	—	1.52	Green micaceous siltstone	153	3.5	0.008	0.005	1.74	" " "
125	2.0	0.004	—	0.02	Gray- " and gray-green shale	139	1.0	0.003	—	1.47	" siltstone	154	2.4	0.008	0.005	1.46	" sandstone and siltstone
126	1.3	0.005	—	0.03	Light-gray thin-bedded arkose	141	—	—	—	—	Chalcoite nodules	155	2.0	0.007	0.005	1.85	" shale
127	2.0	0.009	0.006	0.75	Gray-green micaceous siltstone	142	1.9	0.004	—	1.79	Gray-green siltstone	156	1.6	0.005	—	5.20	Gray-green carbonaceous shale
128	3.0	0.003	—	0.02	" " shale	143	4.8	0.003	—	0.01	" " clay shale	157	1.0	0.003	—	0.02	Dark-gray and brown shale
129	2.0	0.003	—	0.02	" " micaceous siltstone	144	2.0	0.004	—	0.07	" " micaceous siltstone	158	2.7	0.005	—	2.04	Gray-green carbonaceous shale
130	1.2	0.004	—	0.01	" " "	145	—	—	—	—	<i>Linoproductus</i> sp (brachiopod)	159	1.1	0.007	—	1.55	" " clay shale
131	1.3	0.005	—	0.01	Olive clay shale and siltstone	146	5.0	0.003	—	0.01	Gray-green shale	160	2.2	0.003	—	1.44	" shale and arkose
132	2.0	0.005	—	<0.01	" -brown micaceous siltstone	147	—	—	—	—	Poorly sorted arkose with malachite	161	3.0	0.004	—	0.05	" " with red mottling
133	2.7	0.002	—	<0.01	Reddish arkosic pebble conglomerate	148	—	—	—	—	Coddy, iron-stained log with copper	162	—	—	—	—	<i>Hypselentoma</i> and bellerophontrids gastropods
134	2.0	0.004	—	0.01	Gray-green micaceous siltstone	149	—	—	—	—	Log, partly replaced by chalcoite	BZ-28	0.3	0.054	0.061	3.84	Gray shaly sandstone
135	3.4	0.004	—	0.65	" " "	150	0.8	0.004	—	0.54	Gray-green clay shale	BZ-29	0.5	0.011	0.003	2.23	Carbonaceous siltstone and shale

Geology by C M Tschanz and D C Laub, 1953

FIGURE 13— GEOLOGIC MAP OF AREA I SHOWING COPPER DEPOSITS, COYOTE DISTRICT, MORA COUNTY, NEW MEXICO

PLEASE REPLACE IN POCKET  
IN BACK OF BOUND VOLUME



(200)  
7674  
map 356