



**EXPLANATION**

Formational contact  
*Dashed where inferred, dotted where concealed*

Lithologic contact  
*Dashed where inferred, dotted where concealed*

Fault, showing relative movement  
*Dashed where approximately located*

Strike and dip of beds  
 80°

Strike and dip of overturned beds  
 75°

Strike of vertical beds  
 90°

Outcrop of radioactive material  
 O 14-149, 150  
 Prospect trench  
 Location number - sample numbers

Old pit  
 Location number - sample numbers  
 O 60-92, 93, 94, --

Jeep auger hole  
 H-17

Jeep auger hole, with inferred uranium content greater than 0.01 percent  
 H-19

**SAMPLE DATA**

Field Number	Width (Feet)	eU	U (Percent)	Cu	Se (ppm)	Description	Field Number	Width (Feet)	eU	U (Percent)	Cu	Se (ppm)	Description	Field Number	Width (Feet)	eU	U (Percent)	Cu	Se (ppm)	Description
92	2.0	0.007	0.005	5.07	-	Green sandstone and shale	210	3.5	0.009	-	0.10	-	Dark gray-green siltstone with shale	236	0.9	0.011	0.008	-	-	Dark gray-green siltstone with carbon
93	-	-	-	-	-	Black carbonaceous "	211	3.5	0.009	-	0.07	-	Gray-green and olive-brown shale and siltstone	237	1.7	0.012	0.009	-	-	Dark-green and black shale
94	-	-	-	-	-	Altered limonitic sandstone	212	2.8	0.002	-	0.07	-	" " shale and siltstone	238	1.6	0.026	0.015	0.17	-	Yellow-green micaceous sandstone
194	2.7	0.004	-	0.13	-	Buff and gray shale	213	0.9	0.003	-	0.10	-	Gray shale	239	2.6	0.006	-	-	-	Micaceous sandstone
195	3.2	0.007	0.004	0.07	-	" siltstone, brown shale	214	2.0	0.019	-	0.10	-	" and yellow-brown siltstone with carbon seams	240	1.0	0.020	0.015	0.29	-	Yellow-green micaceous sandstone
196	0.6	0.013	0.008	0.10	-	Brown and gray shale	215	1.6	0.004	-	0.07	2	Gray and black silty sandstone	241	3.3	0.011	0.009	-	-	" " "
197	2.8	0.004	-	-	-	Buff sandstone and gray siltstone	216	1.4	0.019	-	0.15	-	Yellow-brown siltstone and shale	242	2.1	0.006	-	0.16	-	Dark-green micaceous shale, yellow-brown sandstone
198	2.3	0.008	0.003	0.15	-	Brown siltstone with plant remains	217	1.9	0.006	-	0.10	-	" " "	243	1.8	0.012	0.007	0.20	-	Gray-green shale and carbon seams, yellow-brown sandstone
199	2.5	0.011	0.006	0.10	-	Gray-brown siltstone	219	0.9	0.004	-	0.03	-	Gray-green and olive shale	244	0.8	0.008	0.002	0.54	-	Dark-green and black shale
200	1.4	0.004	-	0.10	-	Yellow-brown " and shale	220	1.8	0.004	-	0.06	-	Yellow-brown siltstone and shale	245	0.8	0.012	0.007	-	-	Fine-grained sandstone
201	1.0	0.044	0.029	0.15	-	" " micaceous siltstone	221	2.7	0.007	-	0.05	5	Gray micaceous "	400	2.0	0.002	-	0.29	-	Blue-gray shale
202	2.4	0.005	0.005	0.10	-	" " shale and "	222	0.8	0.006	-	0.02	-	Chalcoite nodules	401	1.0	0.002	-	0.60	-	" " arkosic sandstone
203	2.4	0.011	0.006	0.10	-	" " siltstone with plant remains	223	-	-	-	-	-	Fossiliferous limestone	402	2.0	0.005	-	3.92	-	Black shale and arkosic sandstone
204	3.0	0.010	0.005	0.20	-	" " " " " "	224	-	-	-	-	-	Gray-green shale	403	6.0	0.004	-	1.75	-	Composite of 401 and 402
205	1.5	0.008	0.004	0.20	-	" " " " " "	225	1.6	0.006	-	-	-	" with carbon seams	404	3.5	0.002	-	0.14	-	Gray-green shale
206	2.7	0.011	0.007	0.15	-	" " shale and siltstone	226	1.6	0.022	0.021	-	-	Siltstone with calcite, quartz, plagioclase, nontronite and kaolinite	405	2.5	0.002	-	0.05	-	" " micaceous siltstone
207	2.4	0.008	-	0.07	-	Olive-brown siltstone	231	1.2	0.016	0.011	-	-	Gray-green micaceous siltstone	412	3.3	0.004	-	0.18	-	Dark gray-green micaceous shale
208	2.4	0.012	0.005	-	-	" " " " " "	233	0.9	0.013	0.007	-	-	Black siltstone with carbon seams	228	2.0	0.008	-	-	-	Yellow-brown micaceous siltstone
209	2.1	0.015	-	0.15	2	Gray-green siltstone and shale	234	0.7	0.018	0.012	0.36	-	Gray-green shale and yellow-brown sandstone							
							235	1.2	0.021	0.014	-	-								

**FIGURE 6. — GEOLOGIC MAP OF AREA A SHOWING COPPER AND URANIUM DEPOSITS, COYOTE DISTRICT, MORA COUNTY, NEW MEXICO**