

TABLE 2.—ANALYSES OF DRILL CORES 1 THROUGH 13, SILVER REEF DISTRICT, WASHINGTON COUNTY, UTAH.

Field number	Laboratory number	Drill core sampled	Equivalent uranium (percent)	Uranium (percent)	V <sub>2</sub> O <sub>5</sub> (percent)	Ag (oz. per ton)	Cu (percent)	Mineral identification
FS 1-51	51189 <sup>1/</sup>	Drill hole SR-1, 52.2 to 55.2 feet. Very fine sandstone, dark yellowish-orange.	0.003	0.003	0.16	---	---	
FS 2-51	51190 <sup>1/</sup>	SR-1, 117 to 117.5 feet. Mudstone, dark reddish-brown.	.003	< .001	.04	---	---	
FS 3-51	51191 <sup>1/</sup>	SR-1, 119.1 to 120.3 feet. Siltstone, grayish red.	.000	.001	.04	---	---	
FS 4-51	51192 <sup>1/</sup>	SR-1, 143.3 to 143.7 feet. Siltstone, grayish red.	.002	.001	.04	---	---	
FS 5-51	51193 <sup>1/</sup>	SR-1, 174.5 to 175.7 feet. Siltstone, dark reddish-brown.	.002	.001	.04	---	---	
FS 6-51	51194 <sup>1/</sup>	SR-2, 116.3 to 116.8 feet. Siltstone, dark reddish-brown.	.001	.001	.04	---	---	
FS 7-51	51195 <sup>1/</sup>	SR-4, 42.95 to 43.30 feet. Very fine shaly sandstone. Black, paper-thin layers of plant fossils with malachite and carnotite stains.	.052	.049	.52	---	---	
FS 8-51	51196 <sup>1/</sup>	SR-4, 41.90 to 43.40 feet. Very fine sandstone including the shaly layer sampled in FS-7-51.	.014	.014	.56	---	---	
FS 9-51	51197 <sup>1/</sup>	SR-4, 54.8 to 59.8 feet. Very fine sandstone, pale yellowish-orange, 54.8 to 56.4; same with black plant remains, 56.4 to 57.0; sandstone, pale yellowish-orange, 57 to 59.8.	.003	.004	---	0.56	---	
FS 10-51	51198 <sup>1/</sup>	SR-5, 102.8 to 103.9 feet. Mudstone, grayish green.	.002	< .001	.04	---	---	
FS 11-51	51198 <sup>1/</sup>	SR-5, 82.5 to 86.5 feet. Mixed sandstone and greenish-gray clay blebs.	.003	.001	---	Trace.	---	
FS 18-51	51843 <sup>2/</sup>	SR-7, 124.9 to 125.9 feet. Yellowish-gray sandstone with 3 percent greenish-gray flat clay pebbles.	.004	.004	.13	.56	0.06	
FS 19-51	51844 <sup>2/</sup>	SR-7, 146.8 to 147.5 feet. Very fine sandstone, yellowish-gray with parting of fossils.	.000	.002	.04	Trace.	.03	
FS 20-51	51845 <sup>2/</sup>	SR-10, 67.3 to 67.5 feet. Very fine sandstone, pale yellowish-orange with 20 percent hard clay pebbles.	.002	.002	.04	Trace.	.04	
FS 21-51	51846 <sup>2/</sup>	SR-6, 87.7 to 91.5 feet. Very fine sandstone with 50 percent clay pebbles.	.001	.002	.04	Trace.	.03	
FS 22-51	51847 <sup>2/</sup>	SR-8, 185.25 to 186.5 feet. Very fine sandstone with 60 percent red, brown and purple clay pebbles.	.002	.001	.04	Trace.	.04	
FS 26-51	51745 <sup>3/</sup>	SR-6, 64 to 64.3 feet. Very fine sandstone, grayish-orange, with malachite.	.008	.008	1.16	1.06	1.08	
FS 27-51	51746 <sup>3/</sup>	SR-6, 64.3 to 65.3 feet. Very fine sandstone with traces of copper carbonate.	.002	.002	.15	1.03	.13	
FS 28-51	51747 <sup>3/</sup>	SR-6, 65.3 to 65.95 feet. Sandstone grayish-orange, with black plant remains.	.015	.012	.28	7.62	.44	
FS 29-51	51748 <sup>3/</sup>	SR-8, 92 to 94 feet. Very fine sandstone with partings of micaceous clay.	.001	.001	< .02	0.52	.06	
FS 30-51	51749 <sup>3/</sup>	SR-8, 110 to 113.5 feet. Very fine sandstone, pale red and grayish-yellow.	.001	.001	< .02	.22	None.	
FS 31-51	51750 <sup>3/</sup>	SR-9, 72.9 to 76 feet. Very fine sandstone, yellowish-gray and pale red.	.001	.001	< .02	Trace.	None.	
FS 32-51	51751 <sup>3/</sup>	SR-10, 50.9 to 61 feet. Very fine sandstone, yellowish-orange and gray.	.003	.002	< .02	Trace.	None.	
FS 33-51	51752 <sup>3/</sup>	SR-10, 68 to 70 feet. Very fine sandstone with several clay pebbles.	.002	.001	< .02	None.	None.	
FS 46-51	52863 <sup>4/</sup>	SR-12, 195.9 to 197.2 feet. Very fine sandstone with parting of micaceous clay.	.001	.001	---	None.	.03	
FS 47-51	52864 <sup>4/</sup>	SR-12, 211.1 to 215 feet. Very fine sandstone, light gray, fractured.	.001	.001	---	Trace.	.03	
FS 48-51	52865 <sup>4/</sup>	SR-12, 224.4 to 226.5 feet. Mudstone with internal slickensides. Radioactivity six times background.	.013	.006	---	Trace.	.29	
FS 49-51	52866 <sup>4/</sup>	SR-12, 226.5 to 230 feet. Sandstone and clay pebble conglomerate.	.001	.001	---	None.	None.	
FS 50-51	52867 <sup>4/</sup>	SR-12, 316.08 to 318.5 feet. Very fine sandstone, yellowish gray with orange spots.	.001	.000	---	None.	None.	
FS 51-51	66156 <sup>5/</sup>	SR-12, 55.7 to 56.2 feet.	---	---	---	---	---	Mudstone contains hydromica (illite) and montmorillonite.
FS 52-51	66157 <sup>5/</sup>	SR-12, 99.5 to 100 feet.	---	---	---	---	---	The siltstone contains hydromica (illite), montmorillonite, and a little kaolinite.
FS 53-51	66158 <sup>5/</sup>	SR-12, 322.2 to 323.2 feet.	---	---	---	---	---	The mudstone contains hydromica (illite), montmorillonite, and a little kaolinite.
FS 54-51	52868 <sup>4/</sup>	SR-12, 216 to 219.4 feet. Very fine sandstone, light gray, fractured.	.002	.001	---	None.	.01	
FS 56-51	53136 <sup>6/</sup>	SR-13, 114 to 115.8 feet. Very fine sandstone, yellowish-gray, saccharoidal.	.001	---	.02	Trace.	None.	
FS 57-51	53137 <sup>6/</sup>	SR-13, 117 to 120 feet. Very fine sandstone with greenish-gray clay pebbles.	.001	---	.02	.42	None.	
FS 58-51	53138 <sup>6/</sup>	SR-13, 150.1 to 153 feet. Argillaceous sandstone; very finely cross bedded from 152.6 to 153 feet.	.001	---	.02	.46	None.	
FS 59-51	53139 <sup>6/</sup>	SR-13, 160.5 to 164.4 feet. Very fine sandstone, light greenish-gray.	.002	---	.02	Trace.	.12	
FS 60-51	53140 <sup>6/</sup>	SR-13, 165 to 170.4 feet. Very fine sandstone, pink and gray, with 50 percent clay, dark reddish brown and dusky yellow green.	.002	---	.02	.76	None.	

1/ Radioactivity by Furman; chemistry by Appling, Stevens, Mountjoy, Wahlberg, Skinner.  
 2/ Radioactivity by Furman; chemistry by Boyes, Dufour, Horr, Skinner.  
 3/ Radioactivity by Furman; chemistry by Boyes, Horr, Skinner, Wahlberg.  
 4/ Radioactivity by Furman; chemistry by Horr, Miskowiec, Skinner.  
 5/ X-ray by A. D. Weeks.  
 6/ Radioactivity by Furman; chemistry by Boyes, Horr, Skinner.