

Table 4.--Assay and gamma-ray data

Geological Survey exploration 1948-49. Assays by the Geological Survey 1949. Hole numbers have the prefix CA in this table; drill holes are shown on figures 2 and 3 with the symbols o, s, and e, but without the prefix.

Geological Survey-Bureau of Mines exploration 1943. Assays by the Bureau of Mines 1943. Data are considered approximate for values of less than 0.11 percent U₃O₈. These samples are being reassayed by the Geological Survey. Hole numbers have the prefix FM in this table; drill holes are shown on figures 2 and 3 with the symbols o, s, and e, but without the prefix.

Assay data listed under "Block" (i.e. block 1, block 2, etc.) are within the blocks of calculated reserves.

Assay data listed under "other holes" are within the areas from which no reserves are calculated because the samples recovered are too thin or too weakly mineralized to qualify for the selected grade and thickness cut-offs.

Gamma-ray intensity obtained by probing of drill holes with radiometric logging unit.

Abbreviations used for gamma-ray intensity:

W Weak; concentrations of radioactive material in which the equivalent U₃O₈ content probably ranges from 0.05% to 0.09%.

S St concentrations of radioactive material in which the equivalent U₃O₈ content probably ranges from 0.10% to 0.99%.

VS Very strong; concentrations of radioactive material in which the equivalent U₃O₈ content probably is 1.0% or more.

Note: Gamma-ray intensities significantly greater than the background effect of barren rock, but less than 0.05% equivalent U₃O₈ are not listed. Holes with intensities no greater than the background effect of barren rock are listed as "barren." Holes shown to be barren by both assay and gamma-ray data are omitted from this table.

1/ Most of sample in mudstone. Other samples are in sandstone.

2/ Appreciable gamma-ray intensity attributed to contamination along walls of hole.

3/ Sludge sample.

4/ Trace by visual estimate, no assay.

< Less than.

Hole No.	Depth in feet		Assay data			Gamma-ray data				
	From	To	Thickness (feet)	U ₃ O ₈	Percent V ₂ O ₅	CaO ₃	Gamma-ray intensity	Depth in feet From To	Thickness (feet)	
Block 1, Lucky Boy claim										
CA 596	28.7	29.4	0.7 1/	0.016	0.05	0.8	W	26.7 27.8	1.1	
Block 2, Calamity No. 1 and Lucky Boy claims										
CA 579	11.5	12.6	1.1	0.03	3.96	0.2	S W	8.8 9.7 9.7 10.2	0.9 0.5	
CA 591	11.5 14.7 15.7 17.8 19.4	14.0 15.7 17.8 18.6 19.7	2.5 1.0 3/ 2.1 1/ 0.8 1/ 0.3	0.028 0.090 0.035 0.010 0.012	0.11 0.51 0.04 0.00 0.11	0.1 1.8 1.4 18.8 15.2	2/ VS S W 2/	0.0 11.7 13.5 15.5 16.6	11.7 12.5 14.2 16.6 16.0	11.7 0.8 0.7 1.1 29.4
CA 607							S W	2.0 14.3	14.3 21.8	12.3 7.5
CA 624	15.3 16.0 16.3 17.7 19.3 20.3	16.0 16.3 17.4 19.3 20.3 21.5	0.7 1/ 0.3 1/ 1.1 1/ 1.6 1.0 1.2	0.007 0.19 0.05 0.011 0.005 0.018	0.06 0.29 0.72 0.13 0.03 0.08	0.5 0.4 1.6 10.6 4.1 0.9	2/ S S 2/	0.0 13.9 14.6 19.8 28.0	13.9 14.2 19.8 28.0	13.9 0.3 5.2 8.2
Block 3, Calamity No. 10 and No. 11 claims										
CA 573	54.9	56.2	1.3	0.048	0.50	0.1	W	52.0	53.6	1.6
Block 4, Calamity No. 10 and No. 11 claims										
CA 572	55.0	56.7	1.7	0.010	0.07	1.4	S W	48.9 52.5	49.7 54.0	0.8 1.5
Block 5, Calamity No. 1 and Triangle claims										
FM 354	22.1	22.7	0.6	0.22	0.99	0.2	Not probed			
FM 355	32.6 33.1	33.1 33.3	0.5 0.2		4/ 0.79	0.9	Not probed			
FM 360	28.8	29.3	0.5		4/		Not probed			
FM 361	35.3 36.3	35.8 36.4	0.5 0.1		4/ 4/		Not probed			
FM 363	25.7	26.1	0.4	<0.05	1.52	6.3	Not probed			
FM 365	31.2 32.3 32.4 32.4 33.2 33.9 35.0 35.7 36.2 36.3	32.3 32.4 33.2 33.9 34.6 35.7 36.2 36.3 36.6	1.1 0.1 0.8 0.7 0.7 0.7 0.5 0.1 0.3	<0.05 <0.05 <0.05 0.07 0.05 0.05 0.05 0.05 0.06	0.33 0.87 2.80 0.30 1.75 0.70 1.24 1.28 1.48	NI1 NI1 NI1 5.6 1.1 8.3 1.6 0.9 0.7	Not probed			
FM 367	25.5 25.8	25.8 26.2	0.3 0.4	<0.05 0.35	0.26 2.88	0.1 0.4	Not probed			
FM 369	24.5 25.0 25.7	25.0 25.7 26.4	0.5 0.7 0.7	<0.05 NI1 0.7	5.55 2.96 2.71	0.8 0.2 0.8	Not probed			
FM 372	25.7	25.9	0.2	<0.05	0.66	21.1	Not probed			
FM 377	25.2 25.3 25.7 26.2	25.3 25.7 26.2 27.0	0.1 0.4 0.5 0.8	<0.05 0.07 0.06 0.05	0.71 1.26 0.86 0.21	3.2 4.8 21.1 3.4	Not probed			
FM 385	29.0 29.2 30.0 30.1 30.1 30.2 30.5 30.6	29.2 30.0 30.1 30.2 30.2 30.5 30.6 31.3	0.2 0.8 0.1 0.1 0.1 0.3 0.1 0.7	0.57 0.05 0.05 0.09 0.05 0.11 0.05	0.95 0.38 0.28 1.01 0.21 1.82 0.25	0.7 4.5 6.3 0.7 5.4 4.3 12.0	Not probed			

Hole No.	Depth in feet		Assay data			Gamma-ray data				
	From	To	Thickness (feet)	U ₃ O ₈	V ₂ O ₅	CaO ₃	Gamma-ray intensity	Depth in feet From To	Thickness (feet)	
Block 5, Calamity No. 1 and Triangle claims--Continued										
FM 386	28.9	30.0	1.1	0.61	6.34	0.6	Not probed			
	32.0	33.1	1.1	0.40	1.61	0.6				
	33.1	33.4	0.3	1.81	1.79	3.0				
	33.4	33.7	0.3	<0.05	0.23	3.6				
	37.2	37.6	0.4	<0.05	0.92	5.4				
	37.6	37.9	0.3	<0.05	0.67	7.7				
FM 388	36.3	37.6	1.3	<0.05	0.42	0.2	Not probed			
	37.6	39.5	1.9	0.11	0.54	3.9				
	40.1	40.5	0.4	<0.05	0.56	10.5				
FM 391	31.0	31.8	0.8	0.14	2.17	2.5	Not probed			
FM 397	30.6	31.3	0.7	0.22	0.58	Nil	Not probed			
	31.3	32.1	0.8	0.17	0.31	0.2				
	34.3	35.7	1.4	0.12	0.22	6.4				
	35.7	37.5	1.8	0.13	0.34	5.6				
	38.2	38.6	0.4	0.14	0.56	4.1				
	38.6	39.1	0.5	0.24	1.48	4.8				
	39.1	40.0	0.9	0.14	0.28	10.6				
FM 501	26.8	28.0	1.2	0.34	1.85	4.7	Not probed			
	29.0	29.1	0.1		4					
CA 633							W	25.0	28.9	3.9
							S	28.9	29.4	0.5
							W	29.4	35.0	5.6
Block 6, Calamity No. 1, No. 3 and Triangle claims										
FM 507	13.7	13.9	0.2	<0.05	1.45	0.6	Not probed			
FM 508	26.5	26.7	0.2	<0.05	2.59	1.4	Not probed			
FM 510	27.0	27.8	0.8	<0.05	0.66	4.5	Not probed			
Block 7, Calamity No. 5 and Triangle claims										
CA 477	25.1	26.2	1.1	0.002	0.15	1.9	Barren			
	28.2	28.6	0.4	0.004	0.40	2.1				
CA 487	33.6	34.5	0.9	0.013	0.24	4.8	W	31.9	33.3	1.4
	34.8	35.7	0.9	0.011	0.02	5.6				
CA 488	24.8	25.3	0.5	0.005	0.68	0.1	W	23.2	24.3	1.1
CA 493							W	31.3	34.5	3.2
Block 8, Calamity No. 5 and Dixie claims										
CA 648	23.8	24.4	0.6	0.045	0.49	0.1	S	24.0	24.7	0.7
	24.4	24.7	0.3	0.003	0.05	0.5	W	24.7	25.3	0.6
	38.0	39.9	1.9	0.012	0.06	13.7				
CA 649							S	15.1	15.8	0.7
CA 654	21.0	23.3	2.3	0.018	0.50	1.3	S			
	23.3	25.3	2.0 1/	0.222	0.62	1.1				
	25.3	26.3	1.0	0.028	0.16	6.9				
CA 659	29.6	30.9	1.3	0.018	0.13	1.1	S	28.9	29.5	0.6
	32.5	33.4	0.9	0.021	0.11	0.4	W	31.5	32.2	0.7
	34.3	34.9	0.6	0.011	0.20	1.5	S	32.2	32.5	0.3
							W	32.5	33.0	0.5
CA 663	12.5	13.0	0.5	0.055	1.22	0.3	S	11.7	12.6	0.9
CA 669	20.7	21.3	0.6	0.003	1.61	0.2				
CA 670	24.5	24.7	0.2	0.001	0.15	7.6	2/	0.0	23.6	23.6
	24.7	26.3	1.6	0.107	0.56	0.2	S	23.6	27.5	3.9
	26.3	28.1	1.8	0.014	0.24	1.5				
Block 9, Calamity No. 2 claim										
CA 494							W	39.5	40.8	1.3
CA 500	30.1	32.0	1.9	0.004	0.75	0.0				
	33.6	33.9	0.3	0.004	0.28	0.1				
CA 505	38.2	38.5	0.3	0.002	0.34	0.7				
	39.0	39.6	0.6	0.011	0.03	1.9				
CA 520	40.1	40.8	0.7	0.016	0.08	5.2	S	38.0	39.2	1.2
CA 523	17.7	18.0	0.3	0.019	0.15	0.4	S			
	18.0	19.2	1.2	0.22	2.11	0.1				
	19.2	20.0	0.8	0.005	0.13	0.9				
	26.4	26.7	0.3	0.007	1.15	0.1				
CA 524	18.9	19.8	0.9	0.020	0.44	2.5	Not probed			
	19.8	22.8	3.0	0.25	1.85	0.1				
	22.8	23.6	0.8	0.004	0.90	0.1				
	23.6	24.8	1.2	0.102	0.97	0.1				
	24.8	26.7	1.9	0.006	0.42	0.2				
	35.1	35.3	0.2 1/	0.010	0.05	19.0				
CA 525	13.5	13.9	0.4	0.014	0.41	2.7	VS	10.6	11.3	0.7
	13.9	14.1	0.2	0.31	1.04	0.7	W	11.3	11.7	0.4
	14.1	15.1	1.0	0.011	0.21	7.3	S	11.7	12.2	0.5
CA 528	9.4	10.0	0.6	0.36	1.63	0.7	VS	9.1	10.4	1.3
	10.0	10.5	0.5	0.005	0.07	6.6				
CA 555	34.9	37.0	2.1	0.003	0.22	0.5				
CA 634	26.4	26.6	0.2	0.05	0.38	4.5	S	25.3	26.1	0.8
	26.6	27.7	1.1	0.086	0.98	10.9				
	27.7	29.9	2.2	0.011	0.28	8.5	S	35.7	38.8	3.1
	36.8	40.0	3.2	0.032	0.08	12.3				
CA 644	6.2	7.8	1.6	0.003	1.82	0.1	W	8.1	9.0	0.9
	7.8	9.8	2.0	0.004	0.17	3.3				
CA 662	29.5	29.9	0.4	0.001	1.48	0.2	S	26.3	27.0	0.7
							W	27.0	28.4	1.4
							S	28.4	28.6	0.2
							W	28.6	35.4	6.8
CA 665	40.3	41.1	0.8 1/	0.015	0.03	10.8	W	37.7	38.1	0.4
	41.8	42.2	0.4 1/	0.009	0.01	3.2				
Block 10, Calamity No. 21 claim										
CA 485							W	44.7	45.3	0.6
CA 490	20.4	20.5	0.1	0.001	0.03	0.1	Barren			
	24.4	25.0	0.6	0.001	0.04	0.3				
CA 540	45.6	47.1	1.5	0.034	0.02	6.6	S	43.4	44.3	0.9