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Table 4.--Assay and gamma-ray data--Continued

Hole No.	Assay data: Depth in feet From	To	Thickness (feet)	Percent U_3O_8	V_2O_5	$CaCO_3$	Gamma-ray data: Gamma-ray intensity	Depth in feet From	To	Thickness (feet)
Block 24, Calamity No. 7 and New Empire claims-Continued										
CA 456	10.6	11.2	0.6	0.024	0.07	0.3	Barren			
CA 461	30.0	31.2	1.2	0.006	0.33	0.2	Barren			
	31.2	32.2	1.0	0.013	0.43	0.2				
	32.2	32.4	0.2	0.001	0.04	0.2				
CA 462							W	46.8	47.8	1.0
CA 467	25.7	29.0	3.3	0.02	0.70	0.3	S	26.8	28.2	1.4
CA 472	19.9	21.4	1.5	0.045	0.10	0.1				
Block 25, Calamity No. 7, Calamity No. 17, and New Empire claims										
CA 398	48.0	49.0	1.0	0.003	0.61	0.3				
	49.0	50.5	1.5	0.252	1.79	0.2	VS	48.4	49.4	1.0
	50.5	50.8	0.3	0.01	0.20	0.1				
CA 401	43.9	44.2	0.3	0.005	0.98	0.2				
	57.9	58.5	0.6	0.05	0.63	1.5	S	58.2	59.1	0.9
CA 405	41.5	42.1	0.6	0.015	0.10	0.1	2/	0.0	40.2	40.2
	49.8	53.3	3.5	0.144	0.52	0.6	W	40.2	41.8	1.6
	53.3	54.6	1.3	0.008	1.86	0.1	S	50.4	51.0	0.6
							VS	51.0	52.2	1.2
CA 408	32.8	33.1	0.3	0.019	1.26	0.1	2/	29.0	49.2	20.2
	33.4	33.7	0.3	0.023	0.29	0.1	S	49.2	50.0	0.8
	49.6	52.3	2.7	0.017	1.39	0.1	W	50.0	52.4	2.4
	52.3	54.5	2.2	0.44	1.85	0.8	VS	52.4	53.8	1.4
	56.9	57.5	0.6	0.007	0.11	4.1	S	57.3	57.9	0.6
	57.5	58.1	0.6	0.16	0.30	3.4	S	58.3	59.3	1.0
	58.1	59.2	1.1	0.024	1.21	4.7				
	59.2	59.5	0.3	0.26	1.76	0.4				
	59.5	59.7	0.2	0.006	0.54	1.7				
CA 412	58.2	59.4	1.2	0.037	0.10	2.0	W	56.6	58.8	2.2
	59.8	60.4	0.6	0.008	0.12	5.4				
CA 413	49.2	50.0	0.8	0.003	0.25	0.1				
CA 416	47.0	47.8	0.8	0.001	0.97	0.6				
	54.4	56.5	2.1	0.008	0.70	5.5				
CA 417	32.6	33.1	0.5	0.043	0.28	0.1	S	32.9	33.8	0.9
	33.1	34.7	1.6	0.01	0.97	0.4				
CA 418	29.2	29.7	0.5	0.031	0.27	0.2	W	29.5	32.3	2.8
	29.7	31.7	2.0	0.022	0.73	0.5	S	32.3	33.2	0.9
	31.7	33.0	1.3	0.002	0.37	1.8				
	33.0	35.5	2.5	0.033	0.70	1.5	S	34.5	35.2	0.7
	35.5	37.7	2.2	0.004	0.20	3.0				
	37.7	38.3	0.6	0.082	0.65	2.2	S	37.9	39.3	1.4
	38.3	39.9	1.6	0.141	1.04	1.2				
	39.9	40.2	0.3	0.008	0.54	4.0				
	40.2	40.5	0.3	0.006	0.41	2.4				
	45.4	46.3	0.9	0.048	0.30	3.3	S	45.8	46.4	0.6
CA 421	29.8	30.4	0.6	0.014	0.11	0.1				
	34.8	35.9	1.1	0.017	0.25	0.3	W	34.5	35.7	1.2
	41.5	43.2	1.7	0.017	0.36	2.9	S	41.3	42.1	0.8
	47.9	49.2	1.3	0.003	0.47	0.1	W	47.3	47.9	0.6
	49.5	49.8	0.3	0.009	0.10	0.1				
	55.8	56.7	0.9	0.011	0.28	0.2				
	56.7	58.5	1.8	0.258	0.85	3.7	VS	55.8	56.8	1.0
	58.5	61.8	3.3	0.02	1.22	3.4				
CA 423	39.1	39.8	0.7	0.027	1.12	0.1	S	39.7	40.5	0.8
	39.8	40.8	1.0	0.060	0.54	0.1	W	40.5	44.0	3.5
	41.5	41.8	0.3	0.004	0.08	0.1				
	43.6	43.9	0.3	0.013	0.15	2.2				
	43.9	45.6	1.7	0.228	0.36	1.4	S	44.0	45.0	1.0
	45.6	48.0	2.4	0.337	1.55	0.2	VS	45.0	45.8	0.8
	48.0	48.3	0.3 1/	0.021	0.46	0.6	S	45.8	47.3	1.5
	48.3	48.9	0.6	0.007	0.10	4.0				
	58.9	59.2	0.3	0.006	0.24	0.2				
	59.2	60.3	1.1	0.709	2.94	0.3	VS	58.5	59.2	0.7
CA 424	33.7	34.0	0.3	0.016	0.23	0.1				
	34.0	35.5	1.5	0.318	0.95	0.1	VS	34.6	35.6	1.0
	35.5	37.0	1.5	0.013	0.99	0.7	W	60.0	71.8	11.8
CA 428	28.2	31.2	3.0	0.049	0.22	1.2				
	31.2	33.1	1.9	0.113	1.95	0.1	S	28.3	33.5	5.2
CA 429	44.2	45.6	1.4	0.033	0.82	1.5				
	45.6	46.6	1.0	0.23	2.21	0.3	VS	45.8	46.6	0.8
	46.6	48.2	1.6	0.012	0.40	0.1				
CA 435							S	15.4	16.4	1.0
CA 436	39.7	39.8	0.1	0.003	0.50	0.2				
	39.8	40.2	0.4	0.15	0.86	0.1	S	39.7	40.5	0.8
	40.2	40.5	0.3	0.03	1.13	0.1				
CA 437	46.9	47.5	0.6	0.012	0.34	0.8	W	46.2	46.8	0.6
CA 438	30.7	31.3	0.6	0.011	0.17	0.4				
	33.3	33.7	0.4	0.012	0.24	0.6				
	33.7	35.7	2.0	0.140	0.20	0.5	S	33.7	35.8	2.1
	42.5	43.6	1.1	0.025	0.20	2.5	S	42.3	43.1	0.8
CA 444	29.0	32.2	3.2	0.032	0.21	1.9	2/	2.7	28.0	25.3
	32.4	34.6	2.2	0.048	0.23	1.8	S	28.0	28.8	0.8
	34.6	36.7	2.1	0.146	0.94	0.2	W	28.8	32.5	3.7
	36.7	37.4	0.7	0.009	0.09	6.7	VS	32.5	33.6	1.1
							2/	33.6	42.0	8.4
CA 451	27.2	28.2	1.0	0.043	0.50	0.2				
	28.2	28.5	0.3	0.519	3.65	0.4	S	26.8	28.1	1.3
CA 452	31.7	32.0	0.3	0.018	0.18	0.2				
	32.0	33.0	1.0	0.254	0.84	0.3	S	32.3	33.3	1.0
CA 453	36.4	37.0	0.6	0.106	1.5	0.1	S	36.6	37.4	0.8
CA 457	32.5	33.1	0.6	0.02	0.07	0.3				
	34.2	34.9	0.7	0.013	0.14	0.2				
	54.9	55.3	0.4	0.02	0.89	0.3				
	55.3	56.4	1.1	0.32	0.81	0.4	VS	54.9	59.8	4.9
	56.4	57.0	0.6	0.015	0.22	4.4				
	57.3	57.6	0.3	0.003	0.32	0.3				
CA 468	30.2	30.5	0.3	0.002	0.03	0.6	2/	11.0	30.2	19.2
	30.5	31.1	0.6	0.593	1.17	0.2	VS	30.2	31.6	1.4
	31.1	31.4	0.3	0.002	0.16	9.5	2/	31.6	43.0	11.4
	37.3	54.5	17.2 2/	0.094	0.19	3.4				
CA 479	25.1	25.5	0.4	0.025	0.06	0.1				

Hole No.	Assay data: Depth in feet From	To	Thickness (feet)	Percent U_3O_8	V_2O_5	$CaCO_3$	Gamma-ray data: Gamma-ray intensity	Depth in feet From	To	Thickness (feet)
Block 26, Calamity No. 13 and Calamity No. 17 claims										
BM 529	28.0	28.5	0.5	<0.05	0.90	10.6	Not probed			
BM 530	18.0	18.1	0.1	<0.05	1.28	Nil	Not probed			
BM 531	21.0	21.6	0.6	<0.05	0.81	Nil	Not probed			
BM 532	27.0	27.4	0.4	<0.05	3.80	Nil	Not probed			
	27.4	27.8	0.4	<0.05	0.22	Nil				
BM 533	18.8	19.0	0.2		4/		Not probed			
BM 534	23.7	25.0	1.3	0.12	0.02	Nil	Not probed			
	25.0	26.1	1.1	<0.05	0.99	Nil				
BM 536	19.0	19.5	0.5	<0.05	0.70	Nil	Not probed			
	21.0	23.1	2.1	1.7	4.94	0.2				
BM 537	19.0	20.0	1.0	0.10	0.57	Nil	Not probed			
	21.5	22.6	1.1	0.16	0.78	Nil				
	22.6	23.6	1.0	<0.05	0.35	Nil				
	23.6	25.0	1.4	<0.05	0.73	0.2				
BM 538	10.0	10.5	0.5	<0.05	0.56	Nil	Not probed			
	19.8	20.0	0.2	<0.05	0.23	Nil				
BM 540	22.5	24.1	1.6	<0.05	0.68	Nil	Not probed			
BM 542	24.5	25.2	0.7	<0.05	0.03	Nil	Not probed			
BM 543	18.0	18.2	0.2	<0.05	1.07	Nil	Not probed			
BM 545	18.0	18.2	0.2	<0.05	0.31	Nil	Not probed			
	19.7	20.2	0.5	0.18	1.21	Nil				
BM 546	19.5	19.7	0.2	<0.05	1.03	Nil	Not probed			
BM 547	18.0	18.2	0.2	0.72	5.25	0.6	Not probed			
	18.2	18.7	0.5	0.10	0.67	Nil				
BM 552	18.8	19.2	0.4	<0.05	2.95	0.7	Not probed			
	28.0	20.4	0.4	0.18	0.37	3.2				
	21.1	21.4	0.3	1.13	1.55	0.7				
	21.4	23.0	1.6	0.12	1.69	0.4				
	23.0	24.3	1.3	0.76	1.22	0.4				
Block 27, Calamity No. 13 and No. 18 claims										
CA 11	18.0	18.7	0.7	0.001	0.29	0.4	2/	0.0	19.4	19.4
	18.7	19.8	1.1	1.440	4.33	1.1	VS	19.4	20.2	0.8
	19.8	21.1	1.3	0.468	1.12	0.5	2/	20.2	39.0	18.8
	21.1	24.6	3.5	0.114	0.20	3.4				
	24.6	25.9	1.3	0.048	0.19	5.0				
	25.9	27.2	1.3 1/	0.244	0.47	6.9				
	27.2	28.6	1.4 1/	0.005	0.10	10.2				
	30.0	30.5	0.5 1/	0.004	0.12	6.1				
	32.9	34.4	1.5 1/	0.047	0.11	16.2				
	38.6	39.5	0.9 1/	0.011	0.01	20.8				
	43.7	44.1	0.4 1/	0.149	0.24	15.6				
CA 12	28.6	28.9	0.3	0.054	0.04	0.5	VS	26.1	26.8	0.7
	28.9	30.3	1.4	0.063	0.83	0.6				
CA 15	28.0	30.6	2.6	0.087	0.33	2.1	VS	31.0	32.0	1.0
	32.3	32.9	0.6	0.004	0.10	7.2				
	32.9	34.5	1.6	0.350	1.01	12.5	VS	35.5	36.3	0.8
	34.5	35.3	0.8 1/	0.060	0.30	15.2				
	36.3	37.9	1.6 1/	0.073	0.18	19.8				
CA 371	26.0	27.1	1.1	0.001	0.08	2.0	S	26.2	27.5	1.3
	27.1	30.5	3.4	0.028	0.12	1.2	S	29.0	29.6	0.6
	30.5	32.7	2.2	0.010	0.07	2.2	W	33.7	35.0	1.3
Block 28, Calamity No. 18 claim										
CA 99	40.2	41.5	1.3	0.014	0.11	14.7	S	40.0	41.4	1.4
Block 29, Calamity No. 18 and No. 28 claims										
CA 131							2/	0.0	20.7	20.7
							S	20.7	22.0	1.3
							2/	27.2	42.0	14.8
CA 139							W	44.8	45.5	0.7
Block 30, Calamity No. 28 claim										
CA 87	26.3	26.7	0.4 1/	0.007	0.32	3.3	S	21.1	22.1	1.0
	27.0	27.9	0.9 1/	0.011	0.31	8.9				
Block 31, Calamity No. 28 claim										
CA 90	26.7	27.6	0.9	0.011	0.08	0.4	S	29.8	30.2	0.4
CA 135	31.5	32.4	0.9	0.012	0.15	0.1				
	32.4	33.8	1.4	0.077	0.84	0.6	VS	31.8	32.8	1.0
	33.8	35.4	1.6	0.022	0.16	5.6				
CA 141	31.7	32.1	0.4	0.011	0.00	9.3				
CA 147							W	29.8	30.2	0.4
CA 149	32.6	33.5	0.9	0.016	0.12	1.4	W	32.3	33.5	1.2
							W	37.0	38.2	1.2
CA 151	35.5	36.1	0.6	0.009	1.37	0.1	W	34.5	35.3	0.8
CA 632	31.7	31.9	0.2	0.007	0.36	0.1	S	31.6	32.4	0.8
Block 32, Crackerjack and Calamity No. 23 claims										
CA 43	9.4	13.9	4.5	0.013	0.03	1.0				
CA 46	13.9	14.3	0.4	0.02	0.05	0.6	Barren			
CA 383	21.7	22.1	0.4	0.013	0.06	0.2				
CA 384							W	6.0	6.6	0.6
CA 386	19.7	20.0	0.3	0.007	0.06	0.8				
CA 392	11.2	11.5	0.3	0.023	0.09	4.4				
Block 33, Calamity No. 7 and Crackerjack claims										
BM 555	8.5	8.6	0.1	<0.05	3.22	0.5	Not probed			
	17.0	17.1	0.1		4/					
BM 556	18.5	19.7	1.2	<0.05	1.51	0.9	Not probed			
BM 557	19.7	20.0	0.3		4/		Not probed			
	24.0	24.5	0.5		4/					
Block 34, Calamity No. 8 and Crackerjack claims										
BM 562	29.1	29.6	0.5	<0.05	0.03	0.5	Not probed			

Hole No.	Assay data: Depth in feet From	To	Thickness (feet)	Percent U_3O_8	V_2O_5	$CaCO_3$	Gamma-ray data: Gamma-ray intensity	Depth in feet From	To	Thickness (feet)
Block 35, Calamity No. 8 claim										
BM 318	45.0	45.7	0.7	<0.05	0.19	1.2	Not probed			
	45.7	45.8	0.1	<0.05	2.54	Nil				
	45.8	46.7	0.9	0.25	0.41	2.0				
	46.7	47.6	0.9	<0.05	0.22	6.3				
BM 321	41.6	43.7	2.1	0.11	0.78	1.0	Not probed			
	45.2	46.2	1.0	<0.05	0.34	7.2				
	46.2	46.7	0.5		4/					
BM 323	43.7	44.1	0.4	1.04	3.73	0.3	Not probed			
	44.1	44.7	0.6	<0.05	0.16	3.4				
BM 564	40.9	41.2	0.3	<0.05	1.35	0.4	Not probed			
Block 36, Calamity No. 9 claim										
BM 302	30.5	30.6	0.1		4/		Not probed			
BM 303	40.6	41.3	0.7	0.39	1.89	Nil	Not probed			
BM 304	47.0	47.1	0.1		4/					
	47.1	47.5	0.4	<0.05	0.05	9.5	Not probed			
BM 305	30.7	32.4	1.7	<0.05	1.50	Nil	Not probed			
BM 307	45.1	45.6	0.5	<0.05	0.62	Nil	Not probed			
BM 308	49.0	50.0	1.0	<0.05	0.02	24.6	Not probed			
	50.0	54.1	4.1	<0.05	0.02	17.7				
BM 309	28.3	30.1	1.8	0.05	4.15	0.3	Not probed			
	30.1	30.7	0.6	<0.05	0.21	Nil				
BM 311	34.2	34.9	0.7	<0.05	0.31	3.2	Not probed			
	34.9	35.9	1.0	0.32	3.79	0.7				
	35.9	37.1	1.2	<0.05	0.38	5.0				
Other holes, Calamity No. 5 and No. 21 claims										
CA 677	43.4	44.1	0.7	0.009	0.03	1.7	W	26.9	28.0	1.1
	45.2	45.5	0.3	0.008	0.01	8.4	W	41.0	43.7	2.7
Other holes, Calamity No. 6 claim										
CA 169	49.9	50.4	0.3	0.017	0.18	0.1	W	49.5	50.3	0.8
Other holes, Calamity No. 7 claim										
CA 393	23.6	23.8	0.2	0.008	1.00	0.3	W	21.9	22.8	0.9
CA 414	59.7	60.4	0.7	0.001	0.07	0.3	Barren			
CA 420	9.4	9.5	0.1	0.002	0.29	0.2				
	15.7	15.9	0.2	0.013	0.97	0.1				
CA 448	60.4	60.5	0.1	0.001	0.07	1.5	Barren			
Other holes, Calamity No. 9 claim										
CA 51	32.0	34.7	2.7	0.002	0.03	0.6	Barren			
Other holes, Calamity No. 13 and No. 18 claims										
CA 13							W	29.3	30.3	1.0
CA 25	25.2	27.0	1.8	0.024	0.34	0.7	S	25.2	26.0	0.8
Other holes, Calamity No. 21 claim										
CA 491	23.4	23.7	0.3	0.002	0.02	0.1	W	42.3	42.9	0.6
Other holes, Calamity No. 22 claim										
CA 557	28.0	28.3	0.3	0.002	0.23	0.2	Barren			
	28.8	29.0	0.2	0.001	0.18	0.1				
Other holes, Calamity No. 23 claim										
CA 72	6.6	6.9	0.3	0.007	0.06	1.7				
	7.3	7.6	0.3	0.006	0.04	1.6				
CA 73							W	52.2	53.0	0.8
CA 74	66.7	70.4	3.7	0.004	0.02	10.1	Not probed			
CA 75	20.3	21.3	1.0	0.011	0.06	0.2				
CA 646	37.3	38.2	0.9	0.01	0.01	0.9				
Other holes, Calamity No. 24 claim										
CA 71	33.5	33.9	0.4	0.001	0.00	1.1	Barren			
Other holes, Calamity No. 26 claim										
CA 143							W	55.5	56.3	0.8
CA 150	45.5	46.0	0.5	0.010	0.41	10.9	W	43.3	45.8	0.5
Other holes, Calamity No. 28 claim										
CA 93	18.3	19.0	0.7	0.014	0.20	0.5				
	19.0	19.2	0.2	0.54	1.88	0.4	VS	19.7	20.5	0.8
	19.2	19.8	0.6	0.002	0.02	0.4				
Other holes, Crackerjack claim										
CA 641	55.9	57.3	1.4	0.001	0.01	0.6	Not probed			
CA 660	53.4	54.2	0.8	0.002	0.01	0.3	Not probed			

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATIONS REPORT 146

CARNOTITE RESOURCES OF THE CALAMITY GROUP AREA, MESA COUNTY, COLORADO
April 1951

Table 4.--Assay and gamma-ray data (sheet 3)

OFFICIAL USE ONLY