

7.6

6 August 1954

TO: Lt. Col. Edward Martell
DNET, AFSWP
Sandia Base
Albuquerque, New Mexico

THRU: Duncan Curry, Jr., *bc*
J-Division, LAEL

FROM: John D. Servis, TU-7

SUBJECT: RADIOLOGICAL SURVEY RESULTS

Re 3.6 US ATOMIC ENERGY
COMMISSION
Location LANL C-5 D-158
Collection Records Center
Folder 7.6 TU-7
Rad safe (Service)

1. Forwarded, herewith, for your information are close-in radiological survey results for Castle.

2. These results are incomplete because of the policy set forth by the Commander, TG 7.1, in which he states that individuals will not be exposed to high radiation levels except in case of emergency.

3. The data in the enclosure lists both ground and air readings. Some approximate information can be obtained if factors of 2 for 24 foot altitudes, 3 for 50 foot altitudes, and 5 for 100 foot altitudes are used. These factors may be incorrect by as much as 200% depending on the time and method of measurement.

4. Underlined readings indicate ground measurements.

BEST COPY AVAILABLE

JOHN D. SERVIS
Commander, TU-7

Enc. Radiation Intensity List

cc: TU-7 w/enc.
M&K w/enc.
D. Curry, Jr. w/enc.

CLASSIFICATION CANCELLED

BY AUTHORITY OF DOE/OC

Carl Wilton 8/29/8
REVIEWED BY *H.P. Bennett* 10/14/55
DATE

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Radiation Intensities
(mr/hr)

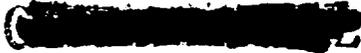


Bravo

	Able	Baker	Charlie (1200)
1 March			10,000 @200' (1130H)
3 March	<u>3,000</u>	25,000 @50' (1010H)	7,000 @ 50' (1000H)
4 March	1,000 @50'	(0845H)	2,000 @50' (0830H)
	<u>5,000-7,000</u>	(1000H)	<u>10,000</u> (0930H)
5 March	N <u>40,000-50,000</u>	3,000 @50' (0930M)	<u>5,000-8,000</u> (1100H)
	S <u>2,000-4,000</u>	(1200H)	
7 March	N <u>11,000</u>	2,500 @10' (0910H)	<u>3,500</u> (0900H)
	S <u>1,000</u>	(1230H)	

Romeo

27 March			N-1,100 @300' (1030H)
28 March	> 50,000 @200' (0900H)		N 2,900 @300' (0900H)
29 March	75,000 @25' (0910H)		S 4,000-8,000 @400' (0900H)
30 March	26,000 @25' (0830H)	28,000 @25' (0825H)	N 50,000 @25' (0820H)
			N 10,000 @25' (0822H)
			S 32,000 @25' (0824H)
31 March	<u>10,000-30,000</u> (0900H)		S edge <u>5,000</u> (1200H)



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Koon

	Uncle		Tare	Sugar
	<u>East</u>	<u>West</u>		
7 April	25,000 @300' (0830M)	15,000 @100' (1A30M)	3,000 @200' (0830M)	20 @25'
8 April		2,200-2,400 @100' (0900M)	*50,000 @200' (0902M)	8 @100' (0905M)
9 April	12,000 (0845M)	5,000 (1100M)	1,000 @500' (0900M)	
12 April		1,000 (1230M)		
14 April	900 @25' (1A30M)	400 @25' (1A33M)	*30,000 @25' (1A28M)	4-10 @25' (1A25M)

*Crater Area

Nectar I

	Daisy	Edna	Gene	Helen
14 May			12,000 @25' (1530M)	1,100 @100' (1000M)
15 May	4,200 @25' (0900M)	4,000 @25' (0855M)	3,400 @25' (0850M)	110 @25' (0845M)
16 May	500 @25' (0840M)	12,000 (0830M)		
17 May	250 (0930M)	4,200 (0925M)	2,800 (0920M)	100 (0915M)

‡ followed by heavy rain

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and its disclosure is prohibited.

Union

	<u>Dog (Watt Sta.)</u>	<u>Fox (Copter pad)</u>	<u>George (Smith Sta.)</u>
26 April	7,000 @200' (1115M)		8,000 @200' (1100M)
27 April	5,000 @25' (0900M)	3,000 @100' (0905M)	3,000 @100' (0910M)
28 April	2,000 @25' (0930M)	3,800 @25' (0920M)	3,800 @25' (0915M)
30 April	<u>1,000</u> (1200M)	<u>2,400</u> (1100M)	<u>2,000</u> (1130M)
2 May	<u>800</u> (0910M)	<u>800</u> (0905M)	<u>1,600</u> (0900M)

Yankee

5 May			12,000 @100' (1130M)
6 May	6,000-20,000 @25' (0910M)	3,800 @25' (0905M)	<u>4,000-6,000</u> (0900M)
7 May	3,000 @25' (0920M)	600 @25' (0915M)	600-800 @25' (0910M)
8 May		1,000 @15' (1005M)	800 @15' (1000M)
9 May	2,600 @25' (0940M)	600 @25' (0935M)	500 @25' (0930M)



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