

ROUGH DRAFT

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410705

AERIAL SURVEILLANCE

3/5-00  
1016 PST

Dave Durbin  
at azimuth

at 7.00' MSL  
at azimuth

1027 PST

C3-A re  
at azimuth

MSL at azimuth of 110°

1053 PST

C3-A re  
at azimuth

MSL at azimuth of

1118 PST

C3-A re

MSL over ground Zero.

1142 PST

C3-A re  
at azimuth

MSL at azimuth of

1200 PST

C3-A re  
at azimuth

MSL at azimuth of

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3-5-69

1315 PST Keith Thorn... and spent... of refining... 730-160... Dispatch...

... Martin (Vegas 3) ... for the period ... 114-000 and ... they want to ... the Martin takes off.

1350 PST J. at re... 50 mR ...

... U3-A reports

1514 PST U3-A re... 5 miles from Ground

1700 PST Ben Tha... them

... he was bringing

1705 PST Keith Thorn... 1730) ... some ... 138Cs ... late ...

... 1800 (Leave Las Vegas ... switch to Martin. Gave him ... Xe particulate mainly ... first sample - then 30Mn ... the second sample).

1730 PST ... 1,300 ST

... estimated release prior to

1750 PST Keith ... we ...

... Ci ... Ci ... Ci ... in such amounts clearance ... New Market.

1831 PST ... from Lake.

1835 PST ... miles south of Highway 25

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3 5 00 1 1417 8

23  
22  
21  
20  
19

23  
22  
21  
20  
19

23  
22  
21  
20  
19

2305 PST

2305 PST  
15 mile  
Draper

2305 PST  
15 mile  
Draper

2305 PST (2117) - Goldfield  
2305 PST (2117) - Ubebebe

2318 PST

Vegas

2318 PST

2318 PST

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3 5 66

0015 PST Vegas ...  
at Iron Pass

0042 PST Vegas ...

0138 PST Tried to ...

0200 PST Tried to ...

0203 PST Tried to ...

0205 PST Called ...  
he will ...  
had fuel ...

0315 PST Vegas ...  
was so tired ...  
and so tired ...  
extended ...  
tried ...  
wanted ...  
from ...

0320 PST Vegas ...  
other ...  
at ...  
Vegas ...

0430 PST Vegas ...  
...  
...  
...  
...

... leading area  
...  
...  
... above information -  
... said Keith  
... their search area  
... the area to the west  
... they detected fingers  
... miles. They had  
... at Tumbah. They  
... Vegas ... proceed  
... They passed each  
... stated they had to stay  
... apparently ... at 10,000'.  
... 10,000' MSL, east-west north  
... with ... to 30 miles  
... from Tumbah - a few  
... was taking off from

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3:00 pm (GMT)

0825 PST [redacted] 10 miles southeast Mina VOR  
 [redacted] Petrus Flats. Flew around  
 [redacted] side of  
 [redacted] center of Dry Lake  
 [redacted] latitude 116°  
 [redacted] (0835 PST) and broke  
 [redacted] clouds north  
 [redacted] in area. 0640 PST  
 [redacted] jobs anytime which is  
 [redacted] be in the air  
 [redacted] in Elko telephone number  
 [redacted] PSI - south and east  
 [redacted] Vegas - will land  
 [redacted] PST

0840 PST [redacted] FAA facilities. Positive  
 [redacted] Austin, east of Mt. Hamilton,  
 [redacted] approximate position of  
 [redacted] PSI [redacted] circle of radius 50  
 [redacted] northeast of Tinopah.

0900 PST [redacted] 25 mile radius with center  
 [redacted] east of [redacted]

1045 PST [redacted] beta activity decreased by a  
 [redacted] Average east-west  
 [redacted]  $10^5$  fci ft<sup>3</sup> over  
 [redacted] east-west of ground  
 [redacted] PSI [redacted] (lower Ground Zero)

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... at 1130 PST was ... extension of about 10 miles ... miles along a north-south ... the radioactive activity was <sup>138</sup>Cs.

1230 PST ... sample taken

1240 PST ... didn't know

1250 PST ... outline - eastern border ... miles north of Austin and ... Finding most activity ... near Austin and near ... moving in over Battle ... From now on will ... be a set of the time necessary ... chers truly east-west ... He doubts it; there is ... Asked about spectra and he ... with this information.

1350 PST ... cross ... BKG ... 0205 PST

Arrow ... PST with peak at 1.05 mR/hr ... relay to EG&G people to ... communicate with them while monitoring ... to obtain ... PST

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3-10-66 (continued)

1415 PST Keith Thomas  
in air at  
John V. Lee  
radi  
stay t  
N. hion  
Flight  
2300

1720 PST Jack Star  
area  
400  
and Pros  
Bozeman  
Day Walk

1930 PST Both p  
miles  
Flight  
knots  
-0-5  
Surt  
Just  
RON  
midnight  
Proce  
the  
to

1945 PST

will be talk  
Tommas will  
1410 PST. Boise, FAA  
(rather  
131  
with peaks.  
1-30 - 2100 PSI.

Little Mountain  
Imperial  
Worland  
of '66.  
in cartridges -

contact 40-50  
(Grasmere) at 1800 PSI.  
Grasmere were 200-210  
from Wells to  
east of Winnemucca.  
ts. had to turn back  
their report about  
Snake River Valley to  
Twin Falls. Report  
legal produced the  
pilots.  
11° longitude  
111° 30' longitude  
Analysis of IPC

10 miles north of  
at 9500' MSL showed  
miles south of Austin to  
showed:  $^{133}\text{I} = 0.017 \text{ pc/ft}^3$   
 $^{222}\text{Rn} = 0.203 \text{ pc/ft}^3$

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10/10/73

11

1. The following information was obtained from the  
 2. report of the...  
 3. ...  
 4. ...  
 5. ...  
 6. ...  
 7. ...  
 8. ...  
 9. ...  
 10. ...

2050 PST (7:30 AM) Mountain Home (9-8-61-973-1000):

POSITION

- 1. ...
- 2. ...
- 3. ...
- 4. ...
- 5. ...
- 6. ...
- 7. ...
- 8. ...
- 9. ...
- 10. ...
- 11. ...
- 12. ...
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- 92. ...
- 93. ...
- 94. ...
- 95. ...
- 96. ...
- 97. ...
- 98. ...
- 99. ...
- 100. ...

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Received from Al Smith at 2:300 PST 3/6/66

STATION IDENTIFICATION		DATE AND TIME OFF	PERIOD (hrs.)	PREFILTER*		CARTRIDGE*	
No.	Name			Gross $\beta$			
001	Alamo	3/5 0700	24	0.05	No	ND	0.52 MP
002	Alamo	3/5 0810	18	7.0	Yes	0.06	3.0
003	Alamo	3/5 0700	18	7.0	Yes		
004	Alamo	3/5 0800	18	7.0	Yes		

Station No. 001, 002, 003, 004. Period 24, 18, 18, 18. Prefilter Gross  $\beta$  0.05, 7.0, 7.0, 7.0. Prefilter Yes/No No, Yes, Yes, Yes. Cartridge ND, 0.06, 0.06, 0.06. Cartridge MP, 3.0, 3.0, 3.0.

Received from Al Smith at 2:300 PST 3/6/66

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Received from Al Smith at 2300 PST 3/6/66  
(page 2)

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STATION IDENTIFICATION	DATE AND TIME OFF	PERIOD (hrs.)	GROSS β			PREFILTER*			CARTRIDGE#		
			131	133	135	131	133	135	131	133	135
954 10 ml. SF diclozate Sample	3-6 1050	18.4	3.0	3.0	3.0						
953 10 ml. SF diclozate Sample	3-6 1055	19.3	3.0	3.0	3.0						
952 10 ml. SF diclozate Sample	3-6 1100	17.4	3.0	3.0	3.0						

\* For use in the Para

Notes: Yes Iodine detected but not quantitated as of this time.  
No Iodine detected

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1736 (continued)

1415 to

1435 PST

SIS report

Position

Relay

of Custer

11 miles

east

has 5

air

base

there

Ind

cal

1440 PST

Relay

at

of

Kalder

station

1730 to

1745 PST

1113

30 miles

mile

to

CL

Pos

SE

ve

1

... 1113 ...  
... as to Bowen  
... miles east  
... was from  
... about  
... ops in  
... prominent identi-  
... air sampling  
... exit would be  
... North Dakota to  
... years they will

... North Dakota between  
... MPM. MARS taking  
... Barton, and  
... can be done

... to Forsyth to  
... River Fork to  
... positive contact from  
... 1113 PST) to 3 miles SW of  
... (1520 SE), 40 miles  
... River (1411 PST) where  
... tracking. Readings were

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Received the below from A1 Smith at 1800 PST 3/7/66

STATION IDENTIFICATION		DATE AND TIME OFF	PERIOD (hrs.)	PREFILTER*		CARTRIDGE*	
No.	Name			Gross β			
020	ERK	3-6-1805	13.4	0.97	131	133	135
010	ERK	3-6-1926	6.3	1.7	131	133	135
011	ERK	3-6-0655	11.3	2.0	131	133	135
012	ERK	3-6-0535	13.2	0.92	131	133	135

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Note: No No Iodine detected

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3 7 44 (continued)

2137 EST NATS

TO: SAC, SIOUX CITY  
FROM: SAC, CASPER  
SUBJECT: [Illegible]

[Illegible text follows]

... Dakota  
... from Casper flew  
... Montana to  
... longitude to  
Castle Rock, South Dakota  
... Chadron, Nebraska  
... (2055 PST).

... contact with 100 - 300 cps  
... penetrations - flight  
... north of Casper to  
... Powderville to Powderville;  
... latitude 104° 30'  
... South Dakota to Castle Rock,  
... Chadron, Nebraska to Enning,

... knots. Winds at  
... ARMS (Vegas 4) plane  
... refueling will fly  
... Sioux City -  
... miles south.

... Story at 2145. Relayed  
... at 2120

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1280 PST

...  
...  
...  
...  
...

... (PST) - trailing edge  
... Nebraska from 42° to  
... ISL and the winds at  
...  
...

0700 PST

...  
...  
...  
...

... called his office,  
... at the AEC building -

0715 PST

...  
...  
...

... message with

0730 PST

...  
...  
...  
...  
...

... about obtaining ARCO data  
... Thompson's latest report  
... Allaire and Don will

0918 PST

...  
...  
...  
...  
...  
...  
...  
...

... called ARCO - they had  
... (includes a charcoal cartridge)  
... samplers (which are equipped  
... for the period covering the  
... will relay this

1000 PST

...  
...  
...  
...

... samples at Green Lake,  
... breeder with activities

1250 PST

...  
...  
...

... best places established

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3 8 00 (continued)

Flight 7  
and will  
at 1500 PST

Flight re  
to arrival  
Iowa (115)  
(115) PST  
Cedar Rapids

Position  
Omaha  
to 1500

Highest  
stair

1423 PST

Phoned  
(444)

1623 PST

Report  
Flight  
and a  
north  
east  
Delwa

The  
most  
how  
all

Key  
in  
at

1150 PST  
1500 PST 2500 knots  
1500

108-5 PST)  
near Laurens,  
Attumwa, Iowa  
landing at

amb s. Nebraska; near  
miles SE of Laurens, Iowa

Epstein City, Iowa and

Patricia and Colonel Bartor

St. Louis  
northwest to LeMars  
Epstein (SE of Clarinda)  
south of Chariton,  
Waterloo - east to  
St. Louis.

suspicious, with the  
Fr. Dodge and  
from Attumwa to  
at 1100 hours.

Executive House, St. Louis,  
telephone number is 314-426-3800

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1830 PST

1830 PST

1845 PST

1935 PST

(ST 3 876)

to 10 miles  
St. Louis.

miles SW of  
south of

St. Louis.

(ST 3 876) to Bob Thalgott.

(ST 3 876) to Captain Petrie.

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## DISTRIBUTION

Author: Bureau

EOAC

150 - 2141 - 10 - 108 - 011  
011

RE:

1

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