

ROUGH DRAFT

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27

AERIAL SURVEY DATA - UNCLASSIFIED

18-0000

410705

3/5-69

1016 PST 13-A re-occupied and re-occupied at 7.00' MSL
at azimuth of 110° and 110°.

1027 PST 13-A re-occupied and re-occupied at 7.00' MSL at azimuth of 110°
and 110°.

1053 PST 13-A re-occupied and re-occupied at 7.00' MSL at azimuth of
230° and 230°.

1118 PST 13-A re-occupied and re-occupied at 7.00' MSL over ground Zero.

1142 PST 13-A re-occupied and re-occupied at 7.00' MSL at azimuth of
300° and 300°.

1200 PST 13-A re-occupied and re-occupied at 7.00' MSL at azimuth of
000° and 000°.

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3-5-66

1315 PST Keith Thomas... Martin (Vegas 5) and spelling... the period of refining... 134-490 and 730-1601... they want to dispatch... the Martin takes off.

1350 PST J. ... wings... 450 mR...

1514 PST U3-A reports... 8 miles from Ground Zero.

1700 PST Bob Thomas... bringing them in

1705 PST Keith Thomas... 1800 (Leave Las Vegas 1730)... switch to Martin. Gave him some... of ¹³⁵Xe particulate mainly ¹³⁸Ce... first sample - then ⁵⁴Mn... the second sample).

1730 PST... estimated release prior to 1730-ET

(most... $\frac{10^4 \text{ Ci}}{10^5 \text{ Ci}} = 10^{-1} \text{ Ci}$

1750 PST Keith Thomas... clearance... Key Markers.

1831 PST... 0077.

1836 PST... from Lake.

1852 PST... miles south of Highway 25

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3 5 00 1 1417 8

21
22
23
24

25
26
27

28
29

2305 PST

2305 PST
15 mile
drifter

2305 PST
15 mile
drifter

2305 PST (2110) - Goldfield
2305 PST (2110) - Ubebebe

2318 PST

Vegas

2318 PST

2318 PST

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3 5 66

0015 PST

Vegas ...
at Iron Peak

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 ... north ...
wanted ...
from ...

0320 PST

Vegas ...
other ...
at ...
Vegas ...

0430 PST

Vegas ...
...
...
...
...

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

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3:00 PM (10:00 AM)

0825 PST [REDACTED] 15 miles southeast Mina VOR [REDACTED] Petrus Flats. Flew around [REDACTED] Peak on east side of [REDACTED] center of Dry Lake [REDACTED] W to 116° [REDACTED] (0835 PST) and broke [REDACTED] PL. Most clouds north [REDACTED] in area. 0640 PST [REDACTED] time which is [REDACTED] 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] Mt. Hamilton, east of Mt. Hamilton, [REDACTED] approximate position of [REDACTED] PSI [REDACTED] circle of radius 50 [REDACTED] northeast of Tenopah.

0900 PST [REDACTED] 5 mile radius with center [REDACTED] east of [REDACTED]

1045 PST [REDACTED] beta activity decreased by a [REDACTED] Average east-west [REDACTED] 10^5 nCi ft³ over [REDACTED] east-west of ground [REDACTED] (over Ground Zero)

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... at 1130 PST was ... about 10 miles ... north-south ... activity was ¹³⁸Cs.

1230 PST ... sample taken

1240 PST ... didn't know

1250 PST ... eastern border ... Austin and ... activity ... Austin and near ... Battle ... time necessary ... east-west ... there is ... spectra and he ... information.

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

(Anova) ... 0205 PST with peak of 1.05 mR/hr ... relay to EG&G people to ... communicate with them while monitoring ... obtain ... PST

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3-10-66 (continued)

1415 PST Keith Thomas
in air at
John Valley
radi
stay to
Nishion
Flight
2300

1720 PST Jack Star
area
400
and Pros
Bozeman
Dar Wall

1930 PST

Both p
miles
Flight
knots
-0-5
surt
Just
RON
midnight
Poc
the
a

1945 PST

f
miles

will be talk
Tom
1410 PST. Boise. FAA
(rather)
with peaks.
131 - 311.
2100 PSI.

Little Mountain
Imperial
World
of '66.
in cartridges -

contact 40-50
at 1800 PSI.
were 200-210
from Wells to
east of Winnemucca.
ts. Dar to turn back
their report about
Snake River Valley to
to Twin Falls. Report
produced the
pilots.
1.2' longitude
111' 30' longitude

Analysis of IPC
10 miles north of
at 9500' MSL showed
miles south of Austin to
showed: $^{133}I = 0.017 \text{ pc/ft}^3$
 $^{270}Fr = 0.203 \text{ pc/ft}^3$

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2100 PSE

the northern part as Austin, the next day to the reported positive contact aircraft that worked the area from 188-W1140 to 188-W1170 with a few casual (spotty) he

the lake area had in-flight-

2330 PSE

also like with the following In contact with cloud west readings are 500 - 1000 cps in contact all the 800' MSL at Burley. cloud between Burley and were from the west at Great Falls at Billings.

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Received From AT Smith at 2300 PST 3/6/66

STATION IDENTIFICATION		DATE AND TIME OFF	PERIOD (hrs.)	PREFILTER*		CARTRIDGE*	
				Gross β			
Arco 10		3-0 0700		131	133	135	
001 Altano		3-0 0810	24				
002 Altano		3-0 0700	18	No	ND	0.52	MB
003 Altano		3-0 0800	17	Yes	0.06	3.0	2.0

STATION IDENTIFICATION		DATE AND TIME OFF	PERIOD (hrs.)	Gross β	PREFILTER*	CARTRIDGE*
004						
005						
006						
007						
008						

Station Arco 10 ✓
 Note: Yes = Fading detected but not quantitated as of this time.
 No = Fading detected

Table continued on next page.

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STATION IDENTIFICATION Name	DATE AND TIME OFF	PERIOD (hrs.)	GROSS β		PREFILTER#			CARTRIDGE#		
			131	133	131	133	135	131	133	135
071 10 ml. SF - C-2000 Summary	3-6-1050	18.4	3.0		200					
072 10 ml. SF - C-2000 Summary	3-6-1050	19.2	3.0		200					
073 10 ml. SF - C-2000 Summary	3-6-1100	17.4	3.0		200					

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

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3.7 on 10/11/68

monit... 1000' MSL were
2.0... (Martin - NAIS)
... reference... be
... of this report.

1303 PST Texas... familiar to Billings
... near Falls to Havre
... Reservoir (100 miles
... at Casper at 1300
... ST.

... west. Winds at
... winds at
...

... Sheridan

... 4300' MSL... positive reading of
... south of Billings
... PST... readings until
... (refer to above route). Now
... about 1.2R hr.
... The ²³Ke peak is
... peak. Keith thinks
... next mission to follow
...

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1736 (continued)

1435 PST

1435 PST

1435 PST

1435 PST

1435 PST

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1435 PST

1435 PST

1435 PST

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1730 PST

1730 PST

1730 PST

... near Kaino...
... as to Benson...
... miles east...
... was from...
... were about...
... ops in...
... prominent identi-
... air sampling...
... that exit would be...
... North Dakota to...
... they will

... between...
... NPM. NAPS taking...
... Barten, and...
... can be done

... Fortina to...
... River fork to...
... positive contact from...
... 5 miles south of Custer...
... (1520 PST) to 3 miles SW of...
... (1520 SE), 40 miles...
... (1611 PST) where...
... readings were

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

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STATION IDENTIFICATION		DATE AND TIME OFF	PERIOD (hrs.)	Gross β	PREFILTER*			CARTRIDGE*		
No.	Name				131	133	135	131	133	135
020	ERK	3-6-1800	1.5-1	0.97						
010	ERK	3-6-1926	6.3	1.7						
011	ERK	3-6-1926	11.3	2.0						est. 3 or 4
012	ERK	3-6-1926	1.2	0.15						

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0515 PST
 [Faded text, likely a teletype message header and body]

... the following information:
 ... : 200-300 cps
 ... Horse, Wyoming and in
 ... approximately 100 miles north-
 ... east-west with the last
 ... South Dakota.
 ... and ended at Rapid
 ... were from 9500 to
 ... 20 - 30 knots.
 ... fly about 30 miles
 ... from Rapid City to
 ... results will be called in to him
 ... should be in about an
 ... break the ARMS plane will
 ... refuels and then both
 ... the day

0615 PST
 [Faded text]

... when seepage stopped -
 ... information to indicate
 ... I told him that as I
 ... at 1600-1700 PST.

0630 PST
 [Faded text]

... Harbor Flight Service
 ... the Marti 404.

[Faded text]

... to Sioux City to Omaha to
 ... with several north-
 ... m O'Neill to Sioux City.
 ... will from 42⁰⁰ to 43⁰⁰
 ... Sioux City however, he didn't

[Faded text]

... as readings are only
 ...

1240 PST

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

... (PST) - trailing edge
... abrasives from 42° to
... PSI and the winds at
...
...

0700 PST

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

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

0718 PST

...
...
...

... sent message with

0730 PST

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

... agreement retaining ARCO data
... Thompson's latest report
... Allaire and Don will

0918 PST

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

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

1000 PST

...
...
...

... samples at Groom Lake,
... specifically with activities

1250 PST

...
...
...

... bed plates established

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3.8 am (continued)

Flight No. ... at 9:00 PST
and will ... PST 2500-30 knots
at 15000 ft ...

Flight ... (08-5 PST)
to ... near Laurens,
Iowa (17 ...
(115) PST ...
Cedar Rapids ...

Position ... Nebraska; near
Omaha ... miles SE of Laurens, Iowa
to 16 mi ...

Highest ...
other ...

1423 PST Phoned ... and Colonel Bartor
(+1-3-...)

1625 PST Report ...
Flight ... northeast to LeMarrs
and ... (NE of Clarinda)
north ... south of Chariton,
east ...
Delaware ... then to St. Louis.

The ... suspicious, with the
most ... Ft. Dodge and
New ... active from ... to
St. ... was at #7 hours.

Ref ... the Executive House, St. Louis,
in ... telephone number is 314-426-3800
or ...

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1830 PST

1830 PST
[Faded text]

[Faded text]
... (1-13 PST) to 10 miles
... Iowa to St. Louis.

[Faded text]

... miles SW of
... miles south of

[Faded text]

... St. Louis.

1845 PST

... (3 8/56) to Bob Thalgott.

1935 PST

... (3 8/56) to Captain Petrie.

DISTRIBUTION

Weather Bureau

WDC

Mr. Charles G. ...

...

...

...

...