

Memo
Officer In Charge
To: U. S. P. H. S.
Warehouse #6
Mercury, Nevada

16 October 1958
1915 hrs MST

403464

Subject: Station Log
Alamo, Nevada

From: I. H. Burgess
Orville D. DeFrain

Attached as per radio instructions
on 16 October 1958 are daily logs kept
at the Alamo off-site monitoring
station.

The color-film, "Off-site Monitoring..."
is being retained at this station,
unless otherwise instructed, for a
second showing the fore-part of
the week of 2 October.

By
Orville D. DeFrain

BEST COPY AVAILABLE

PRIVACY ACT MATERIAL REMOVED

Alamo Nevada

Tuesday, Sept. 16, 1958

Thomas A. Evans & Lloyd A. Reed departed Mercury 1100 hours this date for Alamo, Nev. Arrived at a point 40 miles due north of Mercury at 1230 hours when motor on truck No. failed. Unable to get motor started again due to what appeared to be a dead battery. Walked about a mile to a work party & got transportation to Bunker 3 in Area 9. Phoned Warehouse 6 (Off-Site Rad Safe) & reported trouble to Morgan Seal. Sedan & PHS Chev. truck dispatched to scene, arriving 1440 hours. Transferred gear to PHS truck & continued to Alamo, arriving approximately 1700 hours. Saw Vern Kucher from Lincoln Mine & borrowed 25 film badges. Proceeded to Stewart Hotel to arrange for lodging. Mrs. Stewart stated that she no longer took roomers but in case of emergency could provide a room for a short period. Stated that she had always enjoyed having the Alamo Tone Monitors stay at her house but would prefer not to rent a room in her year unless absolutely necessary. Referred us to Albo Motel 2 miles north on Hwy 93. Proceeded to Albo Motel & made arrangement for lodging. Very cordially received. Proceeded to Cobas Bar, Mr. Cobb in Las Vegas. Returned to Albo Motel.

Wednesday, Sept. 17, 1948

Left Alko Cafe at 0755 hours headed north on US 93 to check permanent badge stations; find areas of best reception & put out additional badges. Checked badge station Nos 008, 009, 35, 36, 057, 059, 060, & 061. Found radio reception good from about 10 miles east of 25-93 Jct. to within 10 miles of Caliente & in vicinity of Hiko. No reception in immediate vicinity of Alamo. At 0930 hours received General message from Mercury that (1) next WB at 1000 hours & this is probably Day for safety shot, & (2) HV filters to be coded Safety Shot No. I. To standby for another general message at 1100 hours. General message at 1100 hours - go 10-7 until 1000 hours.

9/18, operate HV filters in normal manner. Proceeded to Hiko PD & met Mr. & Mrs. Merle Schofield. Had a pleasant visit with Schofields. Mrs Schofield is Postmaster, Mr. Schofield is retired. Placed a badge on P.O. & gave Schofields each one. Returned to Alko Cafe, arriving 1300 hrs. 1415 tried to contact Hq - negative copy. Proceeded to Alamo. Placed film badge on utility post near general store & gave one to Mrs. Sharp, mother of deputy sheriff & clerk in Stewart's General Store. Attempted to locate Mr. M.K. Stewart - unsuccessful. Returned to Alko Cafe to meet Burgess who was bringing a truck from Hq. At 1530 returned to Alamo & finally located Mr. Stewart. Located HV air sampler & determined that it was not being operated during day due to power shut down. Gave Mr. Stewart franked envelopes & picked up two filters to return to Hq. Returned to Alko to await arrival of Burgess. Burgess arrived approximately 1900.

Thursday, September 18, 1958

Left Alko Cafe 0830 for Hiko + vicinity. Checked permanent badge stations between Hiko + Hancock Summit. Radio reception very poor at Summit but good about half way down to Jct 25 + 38. General Message No. 5 received at 1052 as follows - Today 12-1 Balloon Shot Next WB at 1600 All 200 stations SB at 1700. Reported no power in Valley during daytime. Drove to Wm. Schiefeld Ranch. Unable to locate anyone. Continued to Whipple Ranch. Gave Mr + Mrs Keith Whipple film badges. Nice visit with Mr Whipple. Offered to let us set up NV. No auxiliary power. Returned to Alko Cafe In P.M. Drove to Alamo. Met Deputy Sheriff Sharp. Will wear badge. Tried to locate Mr. Dan Stewart to find out when power would be on 24 hours a day - unsuccessful. Drove to Butler Ranch. Had a very friendly visit with Mr. Butler. His extreme cordiality possibly due to fact that he has an offer to buy his ranch & may be leaving valley in 2-3 weeks. Think ~~most~~ failures to sell may have been due to heavy F0 in area. Returned to Alamo. Made tentative arrangement with Remoni Harris at Chertm Station to set up NV. Badged both he + helper. Drove to Alko Cafe. Arranged with Mr. Carl Foremaster to set up NV. Drove to Hiko for 1700 Radio Check. General Message No. 6 - Shot Eddy - 500ft balloon to go at 0700 Next WB 0500 200 series SB at 0600. Direction F0 110° 1/2 line 25m 100 mrr line 50 m. GM No 7 - Take filled gas cans out of locked boxes. Instructed to operate NV on Sched B. Returned to Alko

Friday, September 19

0530 departed Alko Motel for good radio reception area & 0600 check in. Shot still on for 0700. Direction of FO 045° by line 10 1/2 miles, 100 Mr. line 33 miles. Next SB 0745-0750 - Dabbs (Mr + Mrs) evacuated from Watertown stopped at truck enroute Alamo. Said they would go on into Las Vegas & contact Reeco from there. Returned to Alko Motel. 1000 received orders from Hy to monitor north to Hiko & west to Rosie's Mine. Returned to Alko Motel at 1500. Changed HV which had been started at 0700 & changed at 0900. 1600 drove to Hiko to visit Wm Schafield who had claimed an injury due to blast during 1957 series. Had a lengthy visit with Mr + Mrs Schafield. Both were quite cordial - Gave each a film badge & left one for each of their three girls. Returned to Alko Motel.

Saturday, September 20

Radio check-in 0930. 216 ordered to standby at ~~Alko~~ Alko Motel until mobile monitors picked up monitoring logs & HV. ~~Visited~~ Visited Buckhorn Ranch south of Alamo. Lambs had not returned from Salt Lake City. Gave Deputy Sheriff + Mrs Sharp film badge. P.M. Evans rode to Caliente with Alamo Weather to take laundry, etc. (No laundry in Caliente) Burgess changed HV at 1100 hours.

Sunday, September 21

Radio Check-in at 0900 QM-1 - Safety
Shot at 1200 200 Series SB at 1100.
1100 - QM-2 Safety Shot 1200 Trajectory
010° 100 m_r line 2 miles ^{SIGHT} 200 Series
SB at 1400. 1400 - QM-3 200 Series
10-7 until 0900 9-22 Today (9-21) D-1
for Safety Shot on 9-22. Special message
for 216 - Go to Butler Ranch & check
on rumor that water supply was
damaged by underground shot during
1957 series.

Monday, September 22

Radio Check-in at 0900 QM-1 Safety
Shot at 1500 (tunnel) 200 Series SB
at 1630 Battery in Vehicle No. 42346
failed, loose post. Contact Hq via radio.
Advised to call Hq-1 (collect) & ask for
Extension 9340 - John Onderko. Authorized
to buy battery. Installed Delco No. 25MR530
36 month guarantee, Catalog No. 459,
exchange price \$27.95. Proceeded to Butler
Ranch to check on water supply. Mr. Butler
advised that he had written QEC on Friday,
19 Sept. 1958 relative to the failure
of his water supply. On Wednesday, 17
Sept. about noon he had felt a jolt
or earth movement or tremor. He attributed
it to either a slight earth tremor or
the jets which were flying over. At
0600, 19 Sept. 1958 he went out to
start his irrigation water & found
everything in order. At about 0800 he
again went out & found only a
trickle of water. From the amount

Mon- Sept 22 (cont)

of water that had flowed out onto the field it appeared that flow had shut off soon after 0600. (The above times are approximate as Mr. Butler apparently has no time piece) He immediately checked his water system for any evidence of stoppage due to roots, sand, etc, but found nothing. ~~Set~~ During the day, Friday, Mr. Miles, Highway Survey Crew Supervisor stopped at the ranch & Mr. Butler showed him the water supply. Mr. Miles brought in a copy of a newspaper that contained a news story relative to the Safety Shot detonated at Hq on 17 Sept at 1230. Mr. Butler concluded that this may have been cause of earth tremor & immediately wrote to AEC. On Saturday, 20 Sept., flow had increased to about $\frac{1}{3}$ normal. On Sunday, 21 Sept. flow had increased to about $\frac{1}{2}$ normal. No increase noted on Monday, 22 Sept. The water supply at the Butler Ranch consists of several bored wells ranging in depth from about 40 ft. over 200 ft. A tunnel about 600 ft long carries the water by gravity to the surface of the desert from where it flows down to the ranch buildings & fields.

1630 Radio Check-in Safety Shot
1400 on 9/23 200 Series SB 0900

Contact ranchers relative to tentative tour of Mercury about 25 or 26 Sept. & possibly observe Shot. Wednesday P.M. 24 Sept. a geologist will arrive Alamo for the purpose of

Tuesday - September 23, 1958

Radio Check-in 0905 QM-1 Safety
Shot 1400 today. No offsite problems
anticipated. 200 Series SB 1630.
QM-2 Next full scale shot not before
Saturday. Advise prospective guest
ranchers. Visited Buckhorn Ranch
(Floyd Lamb) Gave Mrs Lamb a
film badge. Mr Lamb out on range.
Neither Mr. or Mrs Lamb could
visit Hq this weekend. Paul Stewart,
ranch foreman, might be able to go.
→ Mrs Lamb asked about a Mrs.
[redacted], formerly of Tempiute, who
supposedly had Beta burns & wanted to
know what AEC was doing about it.
Said her husband was very disturbed
because nothing had been done & burns
had occurred over a year ago. Visited
Alamo High School, met the principal,
Mr. Allen, & gave all teacher film
badges. Completed giving out film
badges in valley & forwarded Form 8
to Hq. 1630 Check-in QM-3 Today
is D-4 Ranch guests to be limited
to 5 per zone. Food & lodging at
Hq [redacted] free. Transportation to be
furnished from Warm Springs &
Alamo, Friday morning. 200 Series
SB at 0900 on 9/24.

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Wednesday, September 24

Radio Check-in at 0900 AM-1 Today
 D-2 for safety shot Valencia 200 Series
 SB 11630 - Texas. Asked Station 10 about
 Mrs. _____ formerly of Tempeute
 & now of Mexican Hat, Utah, who was
 supposed to have received radiation burns
 during 1957 Series. Advised that Dr.
 → Vander Smussen & a doctor from the
 Denver Regional Office of USPHS had
 visited Mrs. _____ on 17 September &
 concluded that she did not have radiation
 burns. Advised her to visit a
 dermatologist. Visited Buckhorn Ranch.
 Saw Mrs. Lamb & advised her relative
 to findings re Mrs. _____ Truck to
 locate Paul Stewart, foreman at Buckhorn
 Ranch, re visiting Mercury. Spoke to
 Mr. M.K. Stewart about going to Mercury.
 Indicated he would go. Stopped by at
 Aiko Motel waiting for geologist & take
 him to Butler Ranch. Geologist did
 not show. 1630 Radio Check-in - AM-2
 Today D-2 for Valencia, D-3 or possibly
 D-4 for Moxa, shot with balloon shot
 200 Series SB at 0900 9/25. All vehicles
 to be checked for anti-freeze. Drove to
 Butler Ranch to advise Mr. Butler about
 geologist & determine his interest in
 going to Hg. Very much interested in
 going. Returned to Alamo. Contacted Mr.
 Paul Stewart re Mercury visit. Will go.
 Contacted Mrs. Del Franzie re Hg visit.
 Check back 0800 tomorrow re decision
~~re~~ Checked with M.K. Stewart re Hg
 visit. One of them plans to go. Returned
 to Aiko Motel 1930.

Thursday - September 25

0810 checked with Mrs. Frenzi relative to going to Hq. Will go. Checked with Mrs. Keith Whipple. Unable to go because of illness of daughter. 0900 Radio Checkin - AM 1, W-1 for safety shot Valencia D-2 for 1500 ft balloon shot. All zoo stations SB 1630. 216 SB 1000 for info on visit by ranchers to Hq. Reported to Sta 10 that following from Al zone would go: Mr. or Mrs. M. K. Stewart, Mr. & Mrs. Paul Stewart, Mr. & Mrs. Butler & Mrs. Ed Frenzi. Radio check at 1000 - station wagon to arrive at Al PO at 0800 9/26 to pick up ranchers. Advised Mrs. Ed Frenzi of pick up place & time. Mrs. Frenzi said Mr. Tom Stule would very much like to go to Hq. Advised Mr. & Mrs. Paul Stewart of time & place of pickup. Neither Mr. or Mrs. M. K. Stewart able to go. Mrs. Stewart advised that Mrs. Louise Whipple would like to go. Checked with Mrs. Whipple & she said she would like to make the trip. Contacted Sta 10 relative to Mrs. Whipple & Tom Stule. Mrs. Whipple accepted, Tom Stule could not be added & list of contacts Hq. relative to A3C geologist. Determined that he would not be in Alamo today but would contact Mr. Butler in Hq. tomorrow & visit his ranch later. Drove to Butler Ranch to advise Mr. Butler relative to geologist & place & time of pickup for trip to Hq. 1630 Radio Checkin - Shot VI, Valencia set for noon tomorrow. Next 1112 at

Sept. 25 - cont.

1000, 9/26. All 200 series SB
0900 9/26. All Zone Commanders
SB at rendezvous point for
rancher pickup. Advised Mrs.
Frenzie, Tom Steele could not
go. Returned to Alamo Motel.

Friday, September 26, 1958

0800 started at Alamo PO with
ranchers to rendezvous, with vehicle
from Hy. Vehicle arrived at 0835 hours,
delayed by failure of ranchers at Caliente
to show up. 0900 Radio Checkin - QM-1
Safety shot No RT Valencia scheduled for
1200 hours today. 200 series SB 1100.
1100 Radio Checkin - Valencia, Shot RT,
scheduled for 1200 WD 220° 10 mi line
5 mi 200 series SB 1230 1230 Radio
Checkin - Valencia postponed until 1300.
200 series SB 1330 do not acknowledge
1330 Radio Checkin - QM-3 Valencia
fired at 1300 no effects radiation
anticipated next WB 1600 more
scheduled for 0705 tomorrow. 200
series SB 1630. 1630 Radio Checkin -
QM-5 more postponed until Sunday
at earliest. Safety shot in tunnel
scheduled 1400 hours tomorrow.
200 series SB 0900 9/27.

Saturday, September 28

Radio Check-in at 0900 AM-1 Tunnel safety shot Augustine, shot VII D-1 for 1500' balloon shot MORA, shot VIII. 200 series SB 1630 hours today. 1630 Radio Check-in - AM-2 Safety Shot No. 7 1700 hrs today D-1 for MORA, 0605 PST next WB 2000 hrs tonight, 200 series SB 2100 hours. Bob Elder returned Mrs. Whipple, Mr. & Mrs. Paul Butler & Mrs. Bill Frenzie from visit to Hq. Mrs. Whipple very appreciative of trip. Did not see others. Mr. Butler returned with temporary group. 2100 Radio Check-in - MORA scheduled for 0605 PST next WB 0400 200 series SB 0500 PST Predicted direction of 70-280°.

Sunday, September 28

0600 MST Radio check in - shot MORA postponed. Next WB 1600 200 series SB 1630 1630 Radio Check-in - MORA scheduled for 0605 PST next WB 0400 200 series SB 0500 PST Predicted direction of 70-155°.

Monday, September 29

0600 MST Radio Check-in - AM-1 MORA shot is scheduled for 0605 PST Predicted direction of 70-185°. 216 SB at station at 0830 PST. Shot went off as scheduled. Observed from above State Hwy Maintenance Station.

Monday - Sept 29 - cont.

Flash clearly visible almost due west. No detonation & no cloud observed. 0930 MST SB - SB at 0930 PST. 1030 MST SB - SB at 1200 PST. 1300 MST SB - SB at 1000 tomorrow PST. Drove west of weather bureau trailer toward mountain range to check radio reception. Became stuck in sand & unable to get out. Towed & winched out by power wagon from Larry's Chevron Service. Radio reception good in area. MK Stewart called in evening to report Hi Vol motor burned out.

Tuesday, September 30

1000 PST Radio Check-in - ATM-1 Today 10-3 & 10-4 (No indication as to what) 200 Series SB 1000 PST tomorrow 216 checks with vouchers in area regarding possible location of cattle with chain around necks & address plate stating - Property of A.F.C. M.M. bringing Hi Vol & Continuous Recorder M.M. arrived. All safe approximately 1430 MST. Left two Hi Vol motors. Both of Stewart's motors returned & H.V. as second one had burned out during night. Left Continuous Recorder & explained how to set up. Delivered one motor to Stewart. Kept other at Aldo Cafe. Asked M.M. to send us one more Hi Vol motor. Requested him to have Norma validate plane space for Evans for 10-7 Las Vegas to Lincoln.

Wednesday, October 1

0825 hours talked with man from J & B Ranch at Adaven re whereabouts of A&E cattle. Had not seen them. Suggested Tom Steele might have run across them as he had been riding range lately. 0840 talked with Edwin Hight - he had not been up on range lately but was going up Friday & would look for them. Talked with MK Stewart about lost cattle - he suggested that most of the ranchers would not start riding the range until next week. Looked for Tom Steele but could not locate him. 1100 MST Radio Check-in - D-3 for Safety Shot. In evening talked with rancher at Alko Cafe who was actively searching for A&E cattle. Out of 45 head, 10 still missing. Branded A&E, brass plate carrier a number.

Thursday, October 2

1100 MST Radio Check-in - H7M-1 D-1 for Safety Shot. Next 200 series SB at 1630 today. Change Line 3, Page 2 70 Tray directed to read Schedule B instead of Schedule A. 1630 PST Radio Check-in - Safety Shot. Hildalgo set for 0610 PST tomorrow. 200 series SB at 0500 PST. All monitors drive carefully after dark & watch for animals on road. Radio failed - no transmission - poor reception. Directed by Sta 10 to proceed to Pioche & contact 914 for repair. About 3 miles N. of Ash Springs met 906 & 949 having car trouble. Returned to Ash Springs where 906 repaired radio. Returned to Alko Cafe.

Friday, October 3

0600 MST Radio Check-in - Safety Shot Hidalgo still on. Predicted θ 185°. 200 series SB 0900 PST. 0900 PST Radio Check-in - Hidalgo postponed 24 hours until 0610 PST tomorrow. 200 Series SB 1630 PST today. 1630 PST Radio Check-in - A7M-3 - Safety Shot Hidalgo Shot No IX scheduled for 0610 PST tomorrow. Predicted θ 300°. Today is D-2 for Safety Shot + D-3 for full scale detonation. 200 series SB 0800 tomorrow. 215 stopped & left HV motor No 1645. Delivered to MK Stewart.

Saturday, October 4

0900 MST Radio Check-in - A7M-15 Shot Hidalgo postponed 24 hrs. 200 series SB at 1630 PST. Drone & Lincoln Mine to see Vern Rucker & Pat Cumiff & become more familiar with that area. 1630 PST check-in - 5 Shot Hidalgo scheduled for 0610 PST Shot IX & 5 Shot Colfax scheduled for 1200 Shot X. 200 series SB 0800 PST tomorrow.

Sunday, October 5

0900 MST Radio Check-in - A7M-1 - 5 Shot Hidalgo detonated at 0610 PST. Cloud went E to NE. 5 Shot Colfax, Shot X scheduled for 0815 PST. 200 series SB at 0900 PST. 1000 MST Radio Check-in - SB at present location for further instructions. 5 Shot Colfax will spread alpha contamination on-site &

Sunday - Oct 5 - cont.

possibly north toward Watertown, 1021
directed to monitor 5 on 93 for 20
miles. 1035 - Directed to proceed 5 to
Jct 93 x Rd C + SB. 1120 - Directed to
proceed 15 miles 5 on Rd C. monitoring.
1220 - Directed to proceed on Road C
to 95 monitoring, return to Alamo
via Vegas. Monday AM monitor
93 Alamo to Glendale junction. 200
Series SB 1000 PST tomorrow. Returned
to Alamo 1800.

Monday, October 6

0800 MST departed for Glendale Jct. monitoring
& taking readings every 5 miles. Arrived
Glendale Jct. 0925 MST. No readings above
back ground. Returned to Alamo. 1100 MST
Radio Check-in - No GM All 200 series
SB 1630 today. O'Neil x Alamo enroute
Alamo ETA 1300.

Tuesday, October 7

By Avila & DeLain - unless noted

Arrived at Alamo 6 October 1330 ±

Met at the Alko Motel by
H.A. Evans & J. Burgess, your personnel.

Became oriented within immediate vicinity
and hotel.

Stand by for radio check-in at 1630
hrs. for terminal sheet expected for 7 Oct.

Tuesday 8 October

monitored radio going to & from Butler ranch, attempted to contact Mr. Butler, relative to forthcoming visit by ^(Omar Hiltf) geologist. Mr. Butler was not at his ranch. Mr. Burgess left a note explaining details of the geologist's visit.

Returned to Alamo & checked recorder which had been giving us difficulty (instrument now recording background satisfactorily).
Stand by radio check-in at 1630 hrs.
David Spais tunnel shot without incident at this station. 1900 hrs.

Wednesday 9 October

monitored radio going to & from Butler Ranch. Mr. Butler, again, not at home. He then assumed he left for Idaho to be with his ill wife. Report came to mercury.
Stand by radio check-in for tower shot ~~August 11~~.

Thursday 10 October

Radio check-in at 0700 hours. Tower shot Aug
10 0630 hrs.

Toured general area of Alamo, Pike area & became acquainted with persons in area. Have suggestions to some local townspeople the "movie" be shown at next P.T.A. meeting. now attempting to arrange details.

Friday 11 October

Left ~~Alamo~~ Alamo at 1630 hours on this date.
Toured Alamo, Pike & on to Caliente area.
Checked the several daily routine instruments.
Met Mr. Butler at Alamo Cafe & discussed details for the coming visit to Mr. Butler's Ranch by the geologist Mr. Omar Hiltf. Explained to Mr. Butler we would inform him of the geologist's visit soon after we were informed of the definite date.

Sunday 12 October

Reported to temporary area after checking recording instrument, vehicle, etc. Spent most of day touring area & discussing local conditions of mutual interest. Arrived back at Alamo 1730 MST.

Monday 13 October

Stood by radio checkin as usual. Contacted local P.T.A. personnel relative to showing of the Test-Site movie. Received permission from P.T.A. Pres. & ordered film from Mercury. Mr. Allen, local school principal, will serve as projectionist. Later we had truck serviced at Ash Springs. It was notified via radio at 1630 checkin to meet a Mr. Coffey, C.E. & a Mr. Cohen, Geologist (who would visit the Butler Ranch with us) on Tues. 14, October at about 1100 hrs. & attempt to determine the cause or the difficulty associated with Mr. Butler's well-water problem.

Tuesday 14 October

Checked in via radio at 0900 MST. Also checked recording instrument, & Mr. Burgess made further arrangements for showing of the Test-Site movie at the Alamo P.T.A.

Mr. Allen & Mr. Coffey at Charlie's Bar, edge of Alamo & proceeded to the Butler Ranch near Moapa. After considerable preliminary discussion the irrigation water outfall, ^{also source of some supply} as well as the well-sites were visited. Mr. Butler seemed satisfied with the information he received and in parting stated that, "after today he was sure he was the biggest damn fool in Nevada."

Returned to Alamo & on to radio checkin.

Final arrangements were completed this evening with Mrs. Robert Foremaster relative to the showing of the movie at the local P.T.A. Mrs. Foremaster requested Mr. Burgess & I be at the theatre in the school at approximately 1915 hrs. The NTS film would be shown ahead of the regular weekly picture; there would be no charge for the NTS showing.

Thursday 15 October

At about 1240 hrs. a Mr. Floyd Rooke, soils scientist from the Cabinet SCS office contacted off Site Monitors at the Alko Cafe & presented evidence of what he thought might be an unusual fall-out phenomenon. He gave samples of rocks with a waxy-yellowish deposit, at a distance these "spots" appeared as fresh oil dropped on hard, flat surfaces. Stated he noted this "unusual thing" very recently and it was quite general here approximately 80,000 acres in his territory. He also stated he was not feeling well and was returning to his Cabinet station.

At the evening radio checkin the above was reported to Mercury after Mr. Burgess & I returned to the Drill Mountain area & submitted Mr. Rooke's findings.

As a matter of record, it is my opinion that the above, without benefit of laboratory analysis & absence of ultra-violet light or other devices needed for proof, that the deposits referred to above are the evaporated deposits of urine from desert rodents and in no way are such deposits directly associated with fallout.

The film "off Site Monitoring" was shown last night at the local P.T.A.

Radio checkin at 2330 M.T.S. & again at 0800 M.T.S. - 16 October.

Lv	ARRIVE	Lv	ARRIVE	Lv	ARRIVE
6 Mercury 1030	ALAMO 1300				
7 Hiko - Alamo Area					
8 Hiko - Alamo - Mounpa					
9 " " " "					
10 Alamo - Hiko area					
11 Alamo - Hiko - Caliente					
12 Alamo - Timpani area					
13 Alamo - Arch Springs					
14 Alamo - Mounpa					
15 Hiko - ^{Alamo} Mt area					
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STATION LOG - ALAMO, NEVADA

By: Orville D. De Fraia

Thursday 16 October 1958

Station log to 15 October inclusive has been sent to Mercury as requested via radio on this date. Mrs. Foremaster (Robert) PTA President, has stated she would allow the color film, "Offsite Monitoring" be shown with the PTA projector at the Alko Cafe to those persons unable to see the film at the regular PTA showing on 15 October at the Alamo School. Plans for the second showing will be the early part of the week of 20 October. The patrons appeared well pleased with the first showing. The day passed routinely. The detachment of Air Force Personnel are leaving the area. Film badges were collected from the following:

Film badge #	Capt. Antonio
Film badge #	Dunn
Film badge #	Blundall
Film badge #	Stansbury

It may be stated here that general radio instructions are briefly recorded on a separate daily sheet - hence only on occasion is "stand-by" or other radio information recorded.

Friday 17 October 1958

The usual routine. At 1800 hours was instructed to proceed monitoring north on #25 at Junction of Highways 25 and 93. After about 12 miles on highway we were instructed to return to Alamo Station.

Saturday 18 October 1958

At about 0830 MST was instructed to monitor off highway # 25 toward Irish Mountain. Proceeded in that direction on past Rosey's Mine at Irish Mountain but found no fallout. At approximately 1200 hours MST was instructed to monitor road from end of pavement (black-top) at Niko to Adaven (Sharp Ranch). About 25 miles from starting point noted above reportable fallout was found. Details were radioed to Mercury. Near Adaven we were instructed to proceed to original destination and return to Alamo Station. Returned to Alamo at 1830 hours and will be on radio stand-by at 2200 hours MST.

Sunday 19 October 1958

Routine day. Had tire repaired at Ash Springs. Stood-by radio check-in at 2230 hours (11:30 PM MST).

Monday 20 October 1958

Routine day. Have had difficulty the past 4 or 5 days with transmitting and receiving radio messages. Have tried numerous locations for attempted improvement but without measurable difference. Lost radio stand-by 11:30 PM MST.

Tuesday 31 Oct 1958

Routine day. Able of losing Ike Burgess via transfer back to Chicago office. Weather conditions appear suitable for the firing of 4 devices for 22 October. Stand-by 0700 MNT.

Wednesday 1 October 1958

Stand-by of Hiko - Crystal Springs - Alamo (Alko Cafe) largest part of day. Although 4 devices were fired our instruments revealed no fall-out above background area monitored. Returned to Alamo 1845 PM. Robert Elder stopped at Ike Burgess' residence and took monitoring film back to Mercury.

Thursday 3 October 1958

Service vehicle and immediately after radio-checkin proceeded north on Highway 33.0 Hiko and then turned on to highway 38 and monitored to Sunnyside. After reporting only background readings to Sunnyside we were instructed to continue up Highway 38 to Lund. Only background readings were recorded and so reported to Mercury. Returned to Alamo 1835 hours.

Friday 24 October 1958

Routine day. Rather uncertain weather with heavy cloud banks. Light showers fall at Alamo starting at about 2030 hours. Now 2300 hours and thunder is heard in the distance. There is a 2400 hours (MNT) stand-by.

Saturday 25 October 1958

Routine day. Rain ceased late last night. More devices to be fired this evening. One device was fired at 2100 MNT and I am standing by for instructions at 0100 PST 26 October and Ike Burgess will take the 0600 PST stand-by.

Sunday 26 October 1958

As instructed by Mercury, I waited the device firing at 0830 PST and continued monitoring the Alamo area and as far north as Ash Springs. No readings above background although on two occasions, one just south of Ash Springs Service Station and one at the Alamo Airport. The MX-5 instrument on the 0.2 setting momentarily registered above air 0.05 reading. Although I had never heretofore registered this phenomenon I did not record as fallout. Ike Burgess took over monitoring the Alamo area at 0800 MNT. On his tour, at about 0700, toward the Butler Ranch near Meape he did record readings as high as 0.5 mr. At about 0130 hours I was again monitoring the Alamo area with Vern Encker. Readings no greater than background were observed at this station. Next radio stand-by is 0800 MNT for Alamo.

Monday 27 October 1958

Routine day. Hayward, Jennings and Pate left for their homes.

STATION LOG - ALAMO, NEVADA
Page 3

Tuesday 28 October 1968

Routine day.

Wednesday 29 October 1968

At the 0130 radio stand-by, I was instructed to leave immediately for Las Vegas and prepare to stay overnight in the area since all devices to be fired this day would possibly have fall-out in that area.

Finis - Also Station to Date.

STATION LOG - ALAMO, NEVADA

Page 2

Tuesday 21 October 1958

Routine day. Possible of losing Ike Burgess via transfer back to Chicago office. Weather conditions appear suitable for the firing of 4 devices for 22 October. Radio stand-by 0700 MST.

Wednesday 22 October 1958

Stand-by area of Mike - Crystal Springs - Alamo (Almo Cafe) largest part of day. Although 4 devices were fired our instruments revealed no fall-out above background in area monitored. Returned to Alamo 1245 PM. Robert Elder stopped at Ike Burgess' residence and took monitoring film back to Mercury.

Thursday 23 October 1958

Serviced vehicle and immediately after radio-checkin proceeded north on Highway 23 to Mike and then turned on to highway 28 and monitored to Sunnyside. After reporting only background readings to Sunnyside we were instructed to continue up Highway 28 to Land. Only background readings were recorded and so reported to Mercury. Returned to Alamo 1235 hours.

Friday 24 October 1958

Routine day. Rather uncertain weather with heavy cloud banks. Light showers fall at Alamo starting at about 2030 hours. Now 2300 hours and thunder is heard in the distance. There is a 2400 hours (MST) stand-by.

Saturday 25 October 1958

Routine day. Rain ceased late last night. More devices to be fired this evening. One device was fired at 2100 MST and I am standing by for instructions at 0100 PST 26 October and Ike Burgess will take the 0200 PST stand-by.

Sunday 26 October 1958

As expected, I waited the device firing at 0200 PST and continued monitoring the Alamo area and as far north as Ash Springs. No readings above background were observed on two occasions, one just south of Ash Springs and one just north of the Alamo Airport. The NE-3 instrument on the 0.2 scale indicated a reading above air 0.05 reading. Although I had never observed this phenomenon I did not record as fallout. Ike Burgess was monitoring the Alamo area at 0400 MST. On his tour, at about 0700, toward the Butler Ranch near Neaps he did record readings as high as 0.5 hr. At about 0130 hours I was again monitoring the Alamo area with Vern Rucker. Readings no greater than background were observed at this station. Next radio stand-by is 0200 MST for Alamo.

Monday 27 October 1958

Routine day. Hayward, Jennings and Pate left for their homes.

STATION LOG - ALAMO, NEVADA
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Tuesday 28 October 1968

Routine day.

Wednesday 29 October 1968

At the 0830 radio stand-by, I was instructed to leave immediately for Las Vegas and prepare to stay overnight in the area since all devices to be fired this date would possibly have fall-out in that area.

Finis - Alamo Station to Date.

ALAMO STATION

Thursday 16 October 1958

By Charles H. Hoffman

Station log for 15 October indicates that we have had to measure an instrument on the station on this date.

Presented are (about) P.T.H. Particulars

how state are noted about the station

from Office Monitoring in the station

with the P.T.H. papers at the Alamo Cafe

by three persons, unable to fill the

film at the regular P.T.H. showing on 15

October at the Marine School. Plans for the

and showing will be the early part of the

week of October. The station apparatus is

the log passed routinely. The attachment

Air force personnel are leaving the area

from bases were called from the following:

F.B.#

Capt. Antone

Dunn

Blundell

Stansbury

It may be noted here that general radio

instructions are being received on a

separate daily sheet of notes, only on occasion

is "standby" for other radio information received

Friday 17 October 1958

The record received at 1800 hrs. was

transmitted to ground monitoring north of the

at position of buoy 25793. After about 1200

our buoy we were instructed to return to

Alamo station.

Thursday 18 October 1958

At about 0930 PST was instructed to

mountain off buoy #25 toward San Diego

direction in that direction on part of buoy

man at Buick motor but found no fish

at approximately 1700 hrs. MST was instructed to monitor road from end of pavement (black top) at Hiko to Adavau (Sharp Ranch). About 25 miles from starting point noted above reportable fallout was found. Details were radioed to Mercury. Near Adavau we were instructed to proceed to original destination & return to Alamo station. Returned to Alamo at 1830 hrs. & will be on radio standby at 2200 hrs. MST.

Sunday 19 October 1958

Route day. Had tire repaired at Ash Springs. Stand by radio checkin at 2130 hrs (11:30 pm MST)

Monday 20 October 1958

Route day. Have had difficulty the past 4 or 5 days with transmitting & receiving radio messages. Have tried numerous locations for attempted improvement but without measurable difference. Not radio standby 11:30 pm MST.

Tuesday 21 October 1958

Route day. Possibility of losing "Ike" Burgess via transfer back to Chicago office. Weather conditions appear suitable for the firing of 7 devices for 22 Oct. 22 October radio standby 0700 MST.

Wednesday 22 October, 1958

Stoodby area of Hiko Crystal Springs - Alamo (black top) largest part of day. Although 7 devices were fired our instruments ~~revealed~~ ^{revealed} no fall-out ^{over our} ~~in~~ ^{area} monitored. Returned to Alamo - 1845 PM.

Robt Elder stopped at Ike Burgess's Res. & took "Monitoring film" back to Mercury.

Notes

Thursday 23 October 1958

Several vehicles and immediately after 11:00 AM. Several north on

Diary 33 to refer to then turned onto

After reporting only background readings

to Birmingham we have returned to distance

up highway 33 to find. Only background

readings were recorded & no report to

Monday. Return to distance 1835 feet.

Friday 24 October 1958

Return staff. Rather uncertain weather

with heavy storm banks. Light showers

fall at distance starting at about 2030 km

now 2307 km, & thinner in head in the

distance. There is a 200 km (125 ft) steadily

Saturday 25 October 1958

Partic day. From earlier late last

night. Most activity to be found this evening.

one time was found at 2400 MST & 2 and

returning for maintenance at 0100 PST

at 0600 & 0800 BST will take the

Sunday 26 October 1958

As indicated by Mercury, & carried

the device found at 0200 PST & continued

monitoring with beams over & as for north

as well as pumps, no readings above

background although on 2 occasions, as

just south of Oak Springs Denver Station &

one at the Williams Canyon, the MR-5

instrument on the 0.2 setting momentarily

fluctuated above an 0.05 reading. Although

I had never before experienced this

phenomenon, it did not record as fallout.

The Burger took over maintenance

the Alamo area at 0600 MST. On his
tour, at about 0700, toward the Butler
Bank near Moapa he did record readings
as high as 0.5 Mr. At about 0130 hrs.

I was again monitoring the Alamo area
with Fern Bucker. Readings no greater
than background were observed at this
station.

Next Radio Standby is 0800 MST for Alamo.

Monday 27 October 1958

Routine day. Hayward, Jennings & Pate
left for their homes.

Tuesday 28 October 1958

Routine day.

Wednesday 29 October 1958

at the 0830 Radio Standby, I was
instructed to leave immediately for
Las Vegas & prepare to stay overnight in
the area since all devices to be fired
this date would possibly have fall-out
in that area.

Time - Alamo Station to date.