



THE PRINCE GEORGE'S COUNTY GOVERNMENT



FIRE ARMS EXAMINATION UNIT FEU# 301-772-4613 FAX# 301-772-4631 RESULTS OF EXAMINATION

TO: Commanders
I.A.D. & District IV

DATE: June 24, 2007

FEU#: 07-0177-SEL

CCN#: 07-024-1478

SUPPLEMENTAL REPORT

ATTENTION: Lt. C. Walls #1398
I.A.D./S.I.R.T.
Det. D. Thompson #2393
District IV/I.S.

RE: Keith Washington (victim)
Departmental Shooting
January 24, 2007

TYPE OF EXAM: Gunshot Residues for Muzzle-to-Garment Distance Determination

EVIDENCE DESCRIPTION:

Evidence received from Lt. C. Walls #1398 on June 6, 2007:

Item CN4G	One (1) black "Icon Sports" brand long-sleeve shirt, size 4XL.
Item CN4H	One (1) white "Adidas" brand sleeveless shirt, size 2XL.
Item CN4I	One (1) black "I.C.E." brand sweatpants, size 4XL.
Item CN4J	One (1) blue "CINTAS" brand pants, size 48, with one (1) belt (cut).
Item CN8A	One (1) blue "Arrow" brand sweater, size 2XL.
Item CN8B	One (1) black "Galaxy" brand T-shirt, size 6XL.
Item CN8C	One (1) white "Fruit of the Loom" brand T-shirt, size 3XL.
Item B/C	One (1) "Jordan Craig" brand blue jeans, size 42x32, with one (1) belt (cut).

RESULTS OF EXAMINATION:

The Beretta pistol, Item G-1, and the live cartridges, Item G-4, were used to conduct test patterns, which served as known standards during the examination of gunshot residues for an approximate muzzle-to-garment distance determination on the items listed above.

Item CN4G exhibits removal cuts and one (1) defect of interest in the front of the shirt in the abdomen area. The area around the defect was microscopically examined and chemically processed for the presence of gunshot residues and a pattern of residues was found. Known distance determination standards were compared to residues exhibited on Item CN4G, which indicate that the muzzle of the Beretta pistol, Item G-1, was approximately between 12-inches and 24-inches.

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Item CN4H exhibits removal cuts and one (1) defect of interest in the front of the shirt in the abdomen area. The area around the defect was microscopically examined and chemically processed for the presence of gunshot residues and none were found. This corresponds to the defect of interest exhibited on Item CN4G.

Item CN4I exhibits removal cuts and two (2) defects of interest in the front right knee area. The area around each defect was microscopically examined and chemically processed for the presence of gunshot residues and none were found.

Item CN4J exhibits removal cuts and one (1) defect of interest in the front right upper leg area, which was bisected by a removal cut. The area around the defect was microscopically examined and chemically processed for the presence of gunshot residues and none were found. This corresponds to one (1) of the defects of interest exhibited on Item CN4I.

~~The cut belt from Item CN4J lacked defects of interest.~~

Item CN8A exhibits removal cuts and two (2) defects of interest: one (1) defect in the front of the shirt in the upper right chest area, which was bisected by a removal cut, and one (1) defect in the front of the shirt in the lower abdomen area. The area around each defect was microscopically examined and chemically processed for the presence of gunshot residues and none were found.

Item CN8B exhibits removal cuts and two (2) defects of interest: one (1) defect in the front of the shirt in the upper right chest area which was bisected by a removal cut, and one (1) defect in the front of the shirt in the lower abdomen area. The area around each defect was microscopically examined and chemically processed for the presence of gunshot residues and none were found. These defects correspond to the two (2) defects of interest exhibited on Item CN8A.

Item CN8C exhibits removal cuts and two (2) defects of interest: one (1) defect in the front of the shirt in the upper right chest area, which was bisected by a removal cut, and one (1) defect in the front of the shirt in the lower abdomen area. The area around each defect was microscopically examined and chemically processed for the presence of gunshot residues. Lead residues were found which is consistent with the passage of a bullet and is not a consideration for distance determination. All other examinations for gunshot residues were negative. These defects correspond to the two (2) defects of interest exhibited on Items CN8A and CN8B.

Item B/C (blue jeans) exhibits removal cuts and one (1) defect of interest in the front right knee area. The area around the defect was microscopically examined and chemically processed for the presence of gunshot residues and a pattern of residues was found. Known distance determination standards were compared to residues exhibited on Item B/C, which indicate that the muzzle of the Beretta pistol, Item G-1, was approximately between 3-inches and 12-inches.

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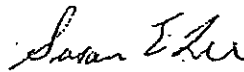
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Item B/C (belt) exhibits a removal cut and one (1) defect of interest, a slight deformation of the buckle. The area around the buckle was microscopically examined and chemically processed for the presence of gunshot residues. Lead residues were found. However, due to the lack of a perforating defect, the source of this finding is undetermined.

The absence of gunshot residues as noted on the above applicable items may be due to any of the following factor(s):

1. The shot having been fired beyond the maximum distance for the deposition of residues, which for this firearm and ammunition is greater than 48-inches.
2. The presence of an intervening object at the instant of discharge.
3. Rough handling of the evidence by medical personnel, investigators, or prior forensic testing.

The items of evidence described above will be forwarded to the main property section with the exception of any items noted. If you have any questions regarding the examination results, or about possible related cases, please contact the Firearms Examination Unit. In the event other evidence is recovered in this case, please resubmit this evidence.



Susan E. Lee

Firearm and Toolmark Examiner

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