

**OFFICE OF CHIEF MEDICAL EXAMINER  
AND FORENSIC LABORATORIES  
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**Nizam Peerwani, MD  
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Crime Laboratory Director**



**FIREARM / TOOLMARK LABORATORY REPORT**

**Name:** Doyle Douglas

**Case Number:** 1907336

**Requested By:** Eric Kalenak  
Midland County Assistant  
District Attorney

**Agency:** Midland County District Attorney's  
Office  
500 N. Loraine St., Suite 200  
Midland, Texas 79701

**Service Number:** CR27181

**Date of Request:** April 24, 2019

**Reported Offense:** Capital Murder

**Date of Completion:** July 11, 2019

**Completed By:** Loandra Pellot-Vazquez

**Date of Report:** July 12, 2019

**EVIDENCE RECEIVED:**

Received in the Firearm and Toolmark Section on April 24, 2019:

Sealed cardboard box containing Item 1 through Item 6

- Item 1      Small manila envelope, labeled in part "GSW #1, Item 16G" containing a plastic bag which contained: One copper coated bullet fragment
- Item 2      Small manila envelope, labeled in part "GSW #2, Item 16H" containing a plastic bag which contained: One copper coated bullet and one lead fragment
- Item 3      Small manila envelope, labeled in part "GSW #3, Item 16I" containing a plastic bag which contained: One copper coated bullet

**EVIDENCE RECEIVED: (continued)**

Sealed manila envelope, labeled in part "States Exhibit 3 and 3B" containing Item 4 and Item 5

- Item 4            Colt 22 Long Rifle caliber semi-automatic pistol, model Huntsman, serial number 101989-C
- Item 5            One box magazine
- Item 6            RG Industries 22 Long Rifle caliber six-shot revolver, model RG 23, having a partially restored serial number

**RESULTS AND CONCLUSIONS:**

**Results related to Item 4 Colt pistol**

Item 4 was test fired using laboratory provided ammunition and the Item 5 magazine. It was found to be a functioning firearm with the safety feature working as intended. The pistol has a conventionally rifled barrel with six lands and grooves, left twist.

Examination of the Item 1 bullet fragment and the Item 2 bullet revealed them to be 22 caliber class bullet fragment/bullet that were each fired through a firearm with a conventional style rifled barrel with six lands and grooves, left twist. The bullet design features are consistent with those loaded in 22 rimfire ammunition.

Based on the agreement of class characteristics, the Item 1 bullet fragment and Item 2 bullet were microscopically compared to each other and to test exemplars from Item 4 pistol with inconclusive results. There is some agreement of individual characteristics, however the agreement is insufficient to determine that they were fired from the same firearm or from the Colt pistol due to lack of sufficient reproducibility.

Pistols commonly encountered that produce similar general rifling characteristics as those present on the Item 1 bullet fragment and Item 2 bullet include, but are not limited to: Astra, Colt, Davis Industries and High Standard. This list is not all-inclusive; therefore, any suspect firearm in rimfire 22 caliber class recovered during the course of this investigation should be submitted along with these items for comparison purposes.

### **Results related to Item 6 RG Industries revolver**

Item 6 was test fired using laboratory provided ammunition. As received in the laboratory, the revolver was capable of discharging a chambered cartridge in its current condition. However, the cylinder stop was not functioning as designed. Further examination by means of disassembly and visual comparison to a similar revolver from the Firearms Reference Collection revealed that the cylinder stop in Item 6 was inserted upside down. The cylinder stop orientation was corrected and the firearm was reassembled. This correction made it possible for the cylinder to lock in place. However, occasionally the chambers of the cylinder would not align with the barrel and to correct the alignment it needed to be rotated manually to engage the cylinder stop in the cylinder stop notch. The revolver has a conventionally rifled barrel with eight lands and grooves, right twist.

Examination of the Item 3 bullet revealed it to be a 22 caliber class bullet that was fired through a firearm with a conventional style rifled barrel with eight lands and grooves, right twist. The bullet design features are consistent with those loaded in 22 rimfire ammunition.

Based on the agreement of class characteristics, the Item 3 bullet was microscopically compared to test exemplars from Item 6 revolver with inconclusive results. There is some agreement of individual characteristics, however the agreement is insufficient to determine that they were fired from the RG Industries revolver due to lack of sufficient reproducibility.

Revolvers rifled with similar general rifling characteristics as those present on the Item 3 bullet are too numerous to list. Any suspect firearm in rimfire 22 caliber class recovered during the course of this investigation should be submitted along with this item for comparison purposes.

### **Other results**

Based on differences in class characteristics, the Item 1 bullet fragment and Item 2 bullet are eliminated as having been fired from the Item 6 revolver and from the firearm that fired Item 3 bullet.

Based on differences in class characteristics, the Item 3 bullet is eliminated as having been fired from the Item 4 pistol.

The lead fragment received in Item 2 has no value for comparison purposes due to a lack of firearms produced toolmarks.

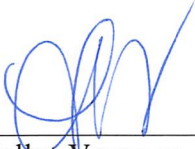
### **DISPOSITION OF EVIDENCE:**

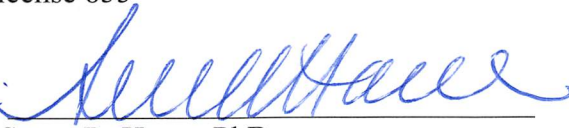
The above items and the test exemplars, Item 4.1 and Item 6.1, will be returned to the TCME Evidence Department.

This report contains the results, conclusions, and interpretations of the undersigned analyst.

Case Number: 1907336  
Date of Report: July 12, 2019

Tarrant County Medical Examiner  
Firearm / Toolmark Laboratory

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