

CAUSE NO. 2024-10-15378-CR

STATE OF TEXAS	§	IN THE DISTRICT COURT
VS	§	299th JUDICIAL DISTRICT
MASON CARLISLE	§	TRAVIS COUNTY, TEXAS

**TASK-** Qualify an expert witness using the information provided in this document.

**TYPE OF CASE-** Criminal

**CASE SUMMARY-** On the evening of October 15, 2024, the suspect entered the QuikTrip convenience store at approximately 9:00 pm. The store was manned by a single employee, Jane Smith. The suspect approached the counter and demanded that Smith hand over all the money in the cash register. When Smith hesitated, the suspect, produced a firearm and threatened to shoot her if she did not comply. Fearing for her life, Smith opened the cash register and handed over approximately \$500.00 in cash.

Mark Johnson, entered the store. The suspect, still brandishing the firearm, assaulted Johnson, striking him in the head with the gun. Johnson sustained a concussion and required medical attention. The suspect then fled the scene in a Black Ford F-150.

**CHARGE-** Aggravated Robbery (Texas Penal Code § 29.03), Assault with a deadly weapon (Texas Penal Code § 22.02)

**DEFENDANT-** Mason Carlisle

**LEGAL PROCEEDINGS-**

Arrest: Mason Carlisle was arrested on October 17, 2024 at his home without incident.

Indictment: The Grand Jury indicted Mason Carlisle on charges of Aggravated Robbery and Assault with a Deadly Weapon on November 1, 2024.

Plea Hearing: Carlisle entered a plea of not guilty at his arraignment on November 10, 2024.

Pre-Trial Motions: The defense filed a motion to suppress the surveillance footage, arguing that it was obtained without a warrant. The court denied the motion, ruling that the footage was admissible as it was recorded in a public place.

Trial: The trial is set to begin on January 11th, 2025, in the Travis County District Court.

**PRESUMPTIONS**

- The defendant was administered Miranda warnings before making any statements/confessions.
- There are no legal problems with collecting or storing any physical evidence.
- There is no legal problem with the chain of custody of any physical evidence.

## FORENSIC LABORATORY REPORT

Texas Department of Public Safety (DPS)  
Austin Crime Laboratory  
12345 Burnet Road, Austin, TX 78758

Case Number: 024-10-15378-CR

Date of Report: October 16, 2024

Submitting Agency: Austin Police Department  
Contact: Officer Sarah Bradshaw  
Phone Number: (512)555-1234

Analyst: Isabella Baker, Forensic Analyst II

This report documents the results of the fingerprint analysis conducted on the latent print lifted from the back of the cash register at the QuikTrip convenience store. The analysis was performed to determine the identity of the individual who left the fingerprint.

### Method:

**Sample Collection-** The latent fingerprint was lifted from the back of the cash register using standardized lifting techniques, including the use of fingerprint powder and lifting tape. The lift was completed by officers on the scene. The lifted print was adhered to a fingerprint backing card, packaged, and transported to the laboratory for analysis.

The latent print was analyzed using a high-resolution digital scanner to capture detailed images. The images were then processed using the Automated Fingerprint Identification System (AFIS) to compare the latent print against the database.

The latent print was compared to known fingerprints of individuals involved in the case, including Jane Smith.

The comparison revealed a high degree of similarity between the latent print and the known fingerprints of Mason Carlisle. I was able to identify 12 matching minutiae (points of identification).

*Isabella Baker, Ph.D.*  
Analyst

Dr. Michael Harris, Ph.D.  
Supervising Forensic Examiner



Points of identification Mark Carlisle (left), Evidence (right)

## **CURRICULUM VITAE**

### **Isabella Baker, Ph.D.**

Texas Department of Public Safety (DPS)

Austin Crime Laboratory

12345 Burnet Road, Austin, TX 78758

### **Education**

#### **Ph.D. in Forensic Science**

- University of Texas at Austin
- Graduation Date: May 2010
- Thesis: "Advancements in Latent Fingerprint Analysis Using Advanced Imaging Techniques"

#### **M.S. in Criminal Justice**

- University of Texas at Dallas
- Graduation Date: May 2007
- Thesis: "Evaluating the Impact of Forensic Evidence on Criminal Trials"

#### **B.S. in Chemistry**

- University of Texas at Austin
- Graduation Date: May 2005
- Thesis: "Chemical Analysis of Trace Evidence in Crime Scene Investigations"

### **Professional Experience**

#### **Forensic Examiner**

- Texas Department of Public Safety (DPS)
- Austin Crime Laboratory, Austin, TX
- June 2010 – Present
  - Conduct comprehensive analysis of latent fingerprints, DNA, and other trace evidence.
  - Manage and oversee the forensic laboratory, ensuring compliance with ISO/IEC 17025 standards.
  - Train and mentor junior forensic examiners and interns.
  - Collaborate with law enforcement agencies to provide expert testimony in court.
  - Develop and implement new forensic techniques and methodologies.
  - Publish research findings in peer-reviewed journals and present at national conferences.

## Forensic Science Intern

- Texas Department of Public Safety (DPS)
- Austin Crime Laboratory, Austin, TX
- June 2009 – May 2010
  - Assisted senior forensic examiners in the analysis of evidence.
  - Conducted preliminary testing and documentation of findings.
  - Participated in crime scene investigations and evidence collection.

## Certifications

- Certified Latent Print Examiner (CLPE)
  - International Association for Identification (IAI)
  - Certification Date: June 2011
  - Renewal Date: June 2023
- Certified DNA Analyst (CDA)
  - American Board of Criminalistics (ABC)
  - Certification Date: July 2012
  - Renewal Date: July 2024
- Certified Forensic Science Manager (CFSM)
  - American Academy of Forensic Sciences (AAFS)
  - Certification Date: August 2015
  - Renewal Date: August 2025

## Publications

- "Advancements in Latent Fingerprint Analysis Using Advanced Imaging Techniques"
  - Journal of Forensic Science
  - Publication Date: March 2012
  - Co-authors: Dr. Michael Harris, Dr. Sarah Thompson
- "Evaluating the Impact of Forensic Evidence on Criminal Trials"
  - Journal of Criminal Justice
  - Publication Date: June 2013
  - Co-authors: Dr. John Doe, Dr. Jane Smith
- "Chemical Analysis of Trace Evidence in Crime Scene Investigations"
  - Forensic Chemistry Review
  - Publication Date: September 2014
  - Co-authors: Dr. Michael Harris

## Presentations

- "Innovations in Latent Fingerprint Analysis"
  - Annual Conference of the American Academy of Forensic Sciences (AAFS)
  - Location: Washington, D.C.

- Date: February 2015
- "The Role of DNA Evidence in Solving Cold Cases"
  - International Symposium on Forensic Science
  - Location: London, UK
  - Date: July 2017
- "Quality Assurance in Forensic Laboratories"
  - National Institute of Justice (NIJ) Annual Conference
  - Location: Orlando, FL
  - Date: October 2019

### Professional Affiliations

- American Academy of Forensic Sciences (AAFS)
  - Member Since: 2010
- International Association for Identification (IAI)
  - Member Since: 2011
- American Society of Crime Laboratory Directors (ASCLD)
  - Member Since: 2012

### Languages

- English: Native
- Spanish: Fluent

### References

Available upon request.