



LARRY LONG  
ATTORNEY GENERAL

STATE OF SOUTH DAKOTA  
**DCI FORENSIC LABORATORY**  
OFFICE OF ATTORNEY GENERAL  
1302 E. Hwy 14, Ste. 6  
PIERRE, SOUTH DAKOTA 57501-8506  
PHONE: (605) 773-3673  
FAX: (605) 773-5658

Division of Criminal Investigation  
Law Enforcement Training

March 6, 2006

✓ Dr. David Sabow  
PO Box 5510  
Rapid City, SD 57709

RE: Death Investigation  
SD Forensic Lab #05-346  
James Emery Sabow, victim.

Attn: Dr. Sabow:

The following items were submitted to the SD State Forensic Laboratory to be test fired and sampled for gunshot residue examination:

**Items submitted:**

- 1) Ithaca Model 200 E 12 gauge shotgun with serial number R137911

**Testing/Sampling Procedure:**

Shooters hands were covered with clean, white cotton gloves. The left (L) barrel of the shotgun was discharged while the right (R) barrel was loaded with an unfired cartridge for all test firings/samplings.

After test firing, the right (R) hand glove was collected for GSR - examination, after each shot.

The shotgun was test fired and sampled for GSR in the following positions:

- Right (R) hand depressing trigger with trigger finger and shotgun at Normal shooter's position (samples #15 and #16) SDFL Items 1.03 and 1.04 (Test Series #1)
- Right (R) hand thumb depressing trigger with shotgun supported on the ground and resting on the butt-end (samples #18 and #19) SDFL Items 1.05 and 1.06. (Test Series #2)

- Right (R) hand index finger depressing trigger with shotgun supported against the ground and resting on the butt-end (sample #20 and #22) SDFL Items 1.07 and 1.08 (Test Series #3)
- The trigger, breech and grip areas were cleaned with methanol wipes prior to each test firing series.

**Notes:**

Prior to any test firing/sampling the following control sample gloves were collected from the closed cotton glove package:

- Glove control at SDFL Lab area, away from test firing facility (sample #12) SDFL Item 1.01
- Glove control at Lewis & Clark Outdoor Shooting Range, at shooting facility (sample #13) SDFL Item 1.02

**Ammunition used for all test firings:**

Winchester 12 Gauge, 2 3/4 inches, 3 1/4 Dr. Eq 1 oz 7 1/2 leadshot "Game Loads".  
Lot number 12 1/2 WG 16.

**Environmental conditions:**

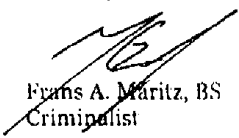
Lewis & Clark Shooting Range -- Outdoor  
Wind -- SW at 12 MPH  
Humidity -- 23%  
Pressure -- 29.60 inch falling

The test and control samples was properly packaged and forwarded to:

R J Lee Group, Inc.  
350 Hochberg Road  
Monroeville, PA 15146

Please find attached the examination results as report by the R J Lee Group, Inc.

Sincerely,



Frans A. Maritz, BS  
Criminalist