

# ST. JOSEPH COUNTY CYBER CRIMES UNIT

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## Cell Phone Evidence Analysis Procedure

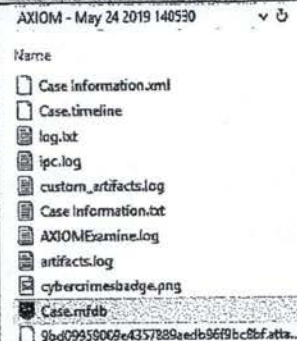
Cyber Crimes Case: 19-154 Investigator: HERNANDEZ

The drive included with this document contains the results of the extraction, processing, and analysis results from the item(s) that you submitted. The type of information on the drive depends on the specific services that you requested.

### EXTRACTON AND PROCESSING

If you requested **Extraction and Processing**, your results will look similar to this screen shot. Double-clicking the file Case.mfdb will open the case in Magnet Forensics AXIOM. The program AXIOM must be installed on your computer for this file to open. The program can be downloaded for free from magnetforensics.com if needed.

This file contains all information extracted and processed from the device. This is NOT the evidence is your case. It is your responsibility to analyze all of the data to identify information that is relevant to your investigation.

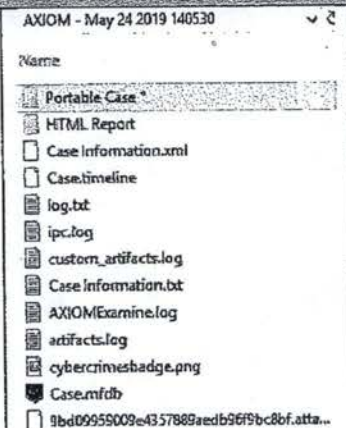


### EXTRACTON, PROCESSING, and ANALYSIS

If you requested **Extraction, Processing, and Analysis**, your results will look similar to this screen shot. In addition to the full case of Case.mfdb, you also have two additional folders:

- **Portable Case** – This is an AXIOM case that contains only the items tagged as evidence by the Cyber Crime investigator. This case will open on any Windows computer. This information should be provided to the prosecutor if requested but should NOT be provided during discovery. Doing so is a violation of our licensing agreement for AXIOM.
- **HTML Report** – This is a report that will open in a web browser on any computer. This report contains only the items tagged as evidence during analysis by the Cyber Crimes investigator. This is considered evidence in your case and can be provided to the prosecutor and during defense discovery.

It should be noted that items tagged as evidence by the Cyber Crimes investigator are NOT an all-inclusive list of all item of evidence from the device. They are items that the investigator deemed significant based on information that you provided about the case. It is recommended that you review the full AXIOM case to identify other items that may be of evidentiary value.



If you have any questions or experience any issues, please contact Cyber Crimes at 574-220-9526 (call or text) or CyberCrimes@stjoepros.org.



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# St. Joseph County Cyber Crimes Unit

306 Hammes Mowbray Hall

Notre Dame, IN 46556

Phone: 574.235-9544 Fax: 574.696.0303

## MOBILE DEVICE EXTRACTION REPORT

<b>Date of Incident:</b>	06/16/2019	<b>Cyber Crimes Case:</b>	19-154
<b>Date Reported:</b>	06/18/2019	<b>Origin Case:</b>	19-8539
<b>Date Completed:</b>	06/18/2019	<b>Type of Incident:</b>	Homicide
<b>Origin Agency:</b>	South Bend Police Dept. 701 W. Sample Street South Bend, IN 46601 574-235-9201 - Main	<b>Requesting Party:</b>	St. Joseph County Metro Homicide Unit Cpl. Kyle Slater 523 E. Jefferson Blvd. South Bend, IN 46617 574-532-6255 - Office kslater@stjoepros.org
<b>Victim:</b>	Logan, Eric Jack 501 W Washington St South Bend, IN 46601 DOB: 12/26/1964 574-274-9156 - Mobile elogan1964@gmail.com	<b>Examiner:</b>	Laura Hernandez Investigator Cyber Crimes Unit St. Joseph County 306 Hammes Mowbray Notre Dame, IN 46556 574-235-9544 - Main 574-696-0303 - Fax lahernandez@stjoepros.org
<b>Reported by:</b>			
<b>Suspect:</b>		<b>Witness:</b>	
<b>Location of Occurrence:</b>	110 N William St South Bend, IN 46601		



## INTRODUCTION AND INVESTIGATOR BACKGROUND

I am a sworn police investigator working as a paid intern with the St. Joseph County Cyber Crimes Unit in South Bend, Indiana. In this position, I am assigned to the Cyber Crimes Unit as an investigator and digital forensics examiner. 50

I have been in this position since May 2019. In my capacity as an investigator, among my assigned duties, is the investigation of technology crimes. This includes, but is not limited to, crimes involving the Internet, Internet crimes against children, child exploitation, child pornography, child sexual trafficking, and the forensic analysis of digital evidence, including computer media and cellular telephones.

I am also a junior at the University of Notre Dame where I will graduate in May 2021 from the College of Arts and Letters with a Bachelor's degree in Sociology and a minor in Computing and Digital Technologies, with a concentration in Cyber Safety and Security.

I have received approximately 150 hours of training and education related to programming, digital forensics, and criminal investigations. This training has included the extraction, processing, and analysis of iOS and Android devices, mobile device investigations, and location analysis using cellular networks, application metadata, and GPS. I also hold the digital forensics certification of Magnet Certified Forensics Examiner (MCFE) through Magnet Forensics.

The statements in this report are based on my personal knowledge, and on information that I have received from other law enforcement personnel and from persons with knowledge regarding relevant facts of this investigation. I have not included each and every fact known to me concerning this investigation.

## CASE BACKGROUND INFORMATION

06/18/2019

This is the extraction, processing, and analysis of information from one mobile device in connection with an investigation of Homicide being conducted by Cpl. Kyle Slater of the St. Joseph County Metro Homicide Unit (MHU).

The items being examined are identified as follows:

Item Number	Description
Item 1	White LG Tribute Empire (LM-X220PM). SN: 901VTYK0129194. IMEI: 359635091256941. OS: 8.1.0. Locked: No. Passcode: None. Carrier: Boost Mobile. Email: elogan1964@gmail.com. Owner: Eric Jack Logan, decedent.

The digital forensics examination is being conducted under no expectation of privacy. Moreover, Cpl. Slater provided the following additional information related to the examination request:

Are there any specific items of evidence that you are looking for? (e.g., text messages, SnapChat, etc.) \*

Tracking data, all email addresses, phone call history, text messages, photos, videos, social media, etc...

## EXTRACTION OF DATA

### Item 1

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On 06/18/2019, Cpl. Slater delivered Item 1 to the Cyber Crimes Unit. Upon receiving Item 1, I ensured that airplane mode was on and that Bluetooth and Wi-Fi connections were disabled. I then attached Item 1 to my forensic desktop computer.

I then conducted a logical extraction on Item 1. All data extracted was saved to the /Images evidence drive on my forensics computer.

## PROCESSING OF DATA

### Item 1

On 06/18/2019, using the program Magnet Forensics AXIOM Process, I processed the data that was extracted from Item 1. At the completion of processing, the following number of artifacts were located on the device:

ALL EVIDENCE	6,699
REFINED RESULTS	676
CHAT	2,403
MEDIA	1,850
DOCUMENTS	8
MOBILE	1,531
OPERATING SYSTEM	2
CUSTOM	229

## ANALYSIS OF DATA

### Item 1

On 06/18/2019, I began the analysis of data extracted and processed from Item 1. I completed the analysis on 06/18/2019. During this analysis, I tagged the following items as evidence for the following reasons:

Tag	Items tagged
■ Images of Car Electronics	19
■ Conversations Regarding Cars	15
■ Call Log Near Time of Incident	11
■ Drug Related Conversations	10
■ Videos Showing Drugs	2

*Images of Car Electronics:* This tag contains images of car radios and entertainment systems. These radios are pictured in household settings (i.e. not in cars), although many still have wires attached. There are various models of car radios, including a Power Acoustik Digital Multimedia Car Avn System (Model PAVN-7210), a Pioneer CD Receiver (Model DEH 80PRS, which retails for approximately \$350 at (<https://www.pioneerelectronics.com/PUSA/Car/CD-Receivers/DEH-80PRS>)), and a Kenwood Car Receiver (appears to be Model 155U). The time stamps on these pictures span a time period of over



two months, from 3/2/2019 to 5/27/2019.

*Conversations Regarding Cars:* This tag contains messages from two separate conversations regarding cars. These conversations show similar patterns in several ways. First, both conversations occur in the middle of the night/early morning (between midnight and 4am), leading the phone user to reference how "sleepy" or "tired" he is. Both conversations reference cars that do not belong to either of the phone users ("Were this car at", "Didn't I tell u he was gon go to his car"). When taken with the images of car receivers/electronics, as well as the circumstances of the incident, it appears that the phone user may have engaged in theft from vehicles.

*Call Log Near Time of Incident:* As requested by Cpl. Slater of MHU, I reviewed the call logs on the phone. These tags show the user's incoming and outgoing phone calls in the several hours leading up to the incident, including a call made to a contact listed as "Will Car Man" (574-287-9530). Upon further research, this contact returns the name William Neely, as shown:

Phone (574) 287-9530  
 Deconflict Results

**Carrier Information**

**Carrier:** AT&T Internet Services

**Subscriber:** NEELY,WILLIAM

In addition, calls were made to contacts listed as "Doc," "Wife," and "Munk." Upon further investigation, these numbers return to the following names:

"Doc"  
 Phone (574) 386-5819  
 Deconflict Results

**Carrier Information**

**Carrier:** Sprint

**Subscriber:** Antonie Sanders

"Wife"  
 Phone (574) 520-7408  
 Deconflict Results

**Carrier Information**

**Carrier:** Sprint

**Subscriber:** SHAFONIA LOGAN

"Munk"  
 Phone (574) 514-4487  
 Deconflict Results

**Carrier Information**

**Carrier:** at&t

**Subscriber:** BAILEY CLIFFORD


*Drug Related Conversations:* This tag contains messages in which the phone user or conversation partner mentioned using or buying drugs.

*Videos Showing Drugs:* This tag denotes videos containing drugs.

In regards to Cpl. Slater's request for email addresses, I found an email for the phone user under ericlogan59@outlook.com, in addition to the known email (elogan1964@gmail.com).

I affirm under the penalties for perjury that the foregoing representations are true.

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Date	Time	Name	Signature
06/18/2019	13:15	Laura Hernandez	

**Supervisor Review**

Date	Time	Name	Signature
06/18/2019	15:00	Mitchell D. Kajzer	