



Cybersecurity

21.3 The Final Report

Case Report Pure Gold Credit Union

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Executive Summary

On January 21, 2016, Digitech Inc. was called in to assist the Pure Gold Credit Union (PGCU) case involving the conspiracy associated with the theft of funds.

- Peter is a suspect in the aforementioned conspiracy.
- As part of the investigation, Peter's iPhone was taken into custody.
- Digitech, Inc. was tasked with investigating evidence relevant to the aforementioned conspiracy.

As described fully in the report, Digitech, Inc. made the following findings.

Evidence was discovered indicating that Peter, the lead bank teller at the Pure Gold Credit Union Dallas Branch, motivated by financial gain and resentment over the disparity between his salary and the company's executives, participated in the theft of nearly \$100,000 in cash unaccounted for over the past six months.

Our investigation uncovered evidence on Peter's phone indicating communication with Rosie Lloyd, a Bank Financial Advisor at the Pure Gold Credit Union Dallas Branch. Correspondence between Peter and Rosie, including emails, text messages, and photographs of the stolen funds, outlines their planning and execution of the crime. This evidence establishes Rosie as a co-conspirator in the theft.

Furthermore, Digitech Inc. discovered evidence implicating an additional individual or individuals in the crime, known only as 'X.' This alias appeared in several email exchanges between Peter and Rosie. Peter confirmed that 'X' was the mastermind behind the theft scheme.

Digitech Inc. uncovered email communication from an individual using the alias 'hockeyfan4747' (hockeyfan4747@proton.me) inquiring about the plan's progress. This email was preceded by a text message instructing Peter to check his email, suggesting 'hockeyfan4747' may have contacted him through both methods.

Furthermore, the same phone number used for the text message sent Peter an SMS mentioning a voicemail message. Analysis of the voicemail transcript (provided below) revealed the caller identified himself as Oliver. Further investigation identified this voice as belonging to Oliver Bell, the District Manager at Pure Gold Credit Union's Midwest Region. These findings raise the possibility that Mr. Bell could be the individual known as 'Mr. X,' but further investigation is necessary to confirm this.

Additionally, we investigated the potential involvement of other co-conspirators: Catarina Mona, Lanzo Agneza, and Michaela Rokas, all bank tellers in the same department as Mr. Barnes. Their

names appeared in several emails exchanged between Peter and Rosie. However, no evidence linking them to the crime was found on either Peter or Rosie's phones.

Equipment and Tools

- Kali Linux
- Autopsy
- Sqlite DB Browser
- Google Maps
- Online EXIF Viewer: (www.online-exif-viewer.com)
- Online Free Image and Audio Convertor Tool (<https://cloudconvert.com/>)
- Online Free Audio Transcript Tool (www.veed.io)
- Online EML Viewer (<https://www.emlreader.com/>)
- Apple Cocoa Core Data timestamp convertor (<https://www.epochconverter.com/coredatal>)

Details of Peter's iPhone

Name	Findings	Location/File in iPhone image file
Model	iPhone12,8	LogicalFileSet1/PeteriPhoneImage/File for identifiers/activation_record.plist
Host Name	Peter's iPhone	LogicalFileSet1/PeteriPhoneImage/File for identifiers/data_ark.plist
OS Version	V16. 5.2	LogicalFileSet1/PeteriPhoneImage/File for identifiers/data_ark.plist
User Email	peterbarnes12792@icloud.com	LogicalFileSet1/PeteriPhoneImage/File for identifiers/Accounts3.sqlite
Phone Number	+16155719608	LogicalFileSet1/PeteriPhoneImage/File for identifiers/CellularUsage.db
Serial Number	FFNHHK2RPLJM	LogicalFileSet1/PeteriPhoneImage/File for identifiers/activation_record.plist
ICCID	89148000009489719791	LogicalFileSet1/PeteriPhoneImage/File for identifiers/activation_record.plist

IMEI	352853889135063	LogicalFileSet1/PeteriPhoneImage/File for identifiers/activation_record.plist
MD5 Hash	34c4888f095dc324133046292 3f6fea5	/root/Documents/peter.original.md5log.txt
SHA256 Hash	71aed05a86a753dec4ef4033ed 7f52d6577ccb534ca0d1e83ffd 27683e621607	/root/Documents/peter.original.sha256log.txt

Details of Rosie's iPhone

Name	Findings	Location/File in iPhone image file
Model	iPhone12,8	LogicalFileSet2/RosieiPhoneImage/File for identifiers/activation_record.plist
Host Name	Rosie's iPhone	LogicalFileSet2/RosieiPhoneImage/File for identifiers/data_ark.plist
OS Version	T16.5	LogicalFileSet2/RosieiPhoneImage/File for identifiers/data_ark.plist
User Email	rosielloyd071292@icloud.com	LogicalFileSet2/RosieiPhoneImage/File for identifiers/Accounts3.sqlite
Phone Number	+16154278267	LogicalFileSet2/RosieiPhoneImage/File for identifiers/CellularUsage.db
Serial Number	FFPHGILYPLJM	LogicalFileSet2/RosieiPhoneImage/File for identifiers/activation_record.plist
ICCID	89148000009489732844	LogicalFileSet2/RosieiPhoneImage/File for identifiers/activation_record.plist
IMEI	359844406101632	LogicalFileSet2/RosieiPhoneImage/File for identifiers/activation_record.plist
MD5 Hash	e666cd1232ead8f76c0a42910f 54b7d5	/root/Documents/rosie.original.md5log.txt

SHA256 Hash	0aa14fa06a416fd59c1e6586c8 88dd3511b1a98c7a019152331 81866bedd7671	/root/Documents/rosie.original.sha256l og.txt
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Evidence to Establish Personas

This section establishes aliases, phone numbers, emails addresses associated with each person, and relationships between each individual.

Peter Barnes:

Phone Number: +16155719608
Email: peterbarnes12792@icloud.com
Relationship: Accused

Rosie Lloyd:

Phone Number: +16154278267
Email: rosielloyd71292@icloud.com
Relationship: Peter's co-worker, a Bank Financial Advisor, is suspected of being a co-conspirator.

Oliver Bell:

Alias: Mr. X
Phone Number: 6158070242
Email: hockeyfan4747@proton.me
Relationship: PGCU's District Manager, is suspected of being a co-conspirator or mastermind.

Catarina Mona:

Relationship: Peter's co-worker, a Bank Teller.

Lanzo Agneza:

Relationship: Peter's co-worker, a Bank Teller.

Michaela Rokas:

Relationship: Peter's co-worker, a Bank Teller.

The primary parties involved in this crime are Peter Barnes and Rosie Lloyd, who are the main focus of the investigation. The largest missing cash deposits occurred on a day when lead bank teller Peter Barnes was working. Ms. Rosie Lloyd was frequently observed speaking with Peter, leading to the collection of all relevant digital evidence.

Data collected from Peter's phone implicated an individual known as 'Mr. X' as the suspected mastermind behind the theft. Evidence revealed a phone number and email address that contacted Peter, and the timeline and the topic of these messages suggests the same person

communicated with him via both methods. The final SMS and voicemail linked this individual to Mr. Oliver Bell.

Further investigation is necessary to confirm the involvement of the following individuals in the crime: Catarina Mona, Lanzo Agneza, and Michaela Rokas.

Note: While their names were mentioned in several emails, no evidence linking them to the crime was found on either Peter or Rosie's phones.

Evidence relating to theft of PGCU funds

This sub-section provides details regarding the evidence found as it relates to the theft of funds.

- Evidence that was found in Peter's phone confirms the email correspondence between him and Rosie, as well between him and "hockeyfan4747".

[Please see the Correspondence Evidence in Appendix A: Peter's Email Message Data.](#)

- Evidence that was found in Peter's phone confirms the sms correspondence between him and Rosie, as well between him and unknown/unsaved number 16158070242.

[Please see the Correspondence Evidence in Appendix A: Peter's SMS Messages.](#)

- Peter's phone provided further evidence linking him to the crime. His internet search history reveals inquiries about 'money laundering' and 'forensic accounting'.

[Please see the Correspondence Evidence in Appendix A: Peter's Browser Data.](#)

- Peter's phone provided additional image, video and audio evidence linking him, Rosie and Mr X to the crime.

[Please see the Correspondence Evidence in Appendix A: Image Evidence](#)

[Please see the Correspondence Evidence in Appendix B: GPS Location](#)

Note: While Catarina Mona, Lanzo Agneza, and Michaela Rokas names were mentioned in several emails, no evidence linking them to the crime was found on either Peter or Rosie's phones.

Evidence relating to theft of PGCU funds are:

- **Email Message Artifact # 7, 8, 9, 10, 11, 12:**
 - Rosie asked Peter to get her copies of the forged withdrawal receipts so she could get started on the plan.
 - Rosie also asked Peter if he trusted Mr. X, Michaela Rokas, Catarina Mona, and Lanzo Agneza.
 - Peter replied that he trusted Mr. X, and it was actually Mr. X who had brought the idea to him a while back. Because he was seeing the execs getting rich while he struggled to pay his bills, he was ready to put the plan into action, which is why he needed Rosie's help.
 - Peter mentioned Rosie to keep details about the plan off their emails and also suggested deleting these emails to remove any traces of evidence.
- **Email Message Artifact # 6, 13, 14**
 - Peter received an email message from hockeyfan4747@proton.me asking if Rosie was on board with the plan.

- Peter replied to the message from Wednesday, October 18, 2023, titled 'Question.' He said they would start the plan the upcoming Friday.
- **SMS Messages Artifact # 4, 5**
 - Peter received an SMS message from Rosie saying "she did it today", was going to the mall, and had sent him a picture.
 - Peter asked her to stop sending him messages on the phone and to email him instead.
- **SMS Messages Artifact # 6, 7**
 - Peter received a sms message on his phone from an unsaved/unknown number (same number that messaged him on Oct 18, 2023) saying he left Peter a voice message.
- **Browser Data Artifact # 1, 2, 3, 4, 5, 6**
 - Peter's phone provided further evidence linking him to the crime. His internet search history reveals inquiries about 'money laundering' and 'forensic accounting.'
- **Image Evidence Artifact # 1, 2, 3**
 - The image, video and audio evidence found on Peter's phone are linking him, Rosie and Mr X to the crime.
 - Rosie sent an image of an envelope with money in it.
 - Oliver left a voicemail on Peter's phone demanding 20% of the \$125,000 and promising to continue clearing the audit records to evade detection by Evelyn Lane the Branch Manager.
- **GPS Evidence Artifact # 1, 2**
 - We were able to analyze the data (.HEIC file) and determine the location where the Rosie's photo was taken.

Plot Timeline

The plot timeline is constructed primarily from evidence gathered from Peter's iPhone, including emails, SMS messages, and internet search history.

Plot Timeline		
Date	Communication Type	Information
Wednesday, Oct 11, 2023	Email	Peter sent Rosie a text message saying it was great hanging out with her that weekend and talking about non-work things.
Thursday, Oct 12, 2023	Email	Email messages between Rosie and Peter: <ul style="list-style-type: none">• Rosie mentioned that they both aren't being paid enough, while all the Gold Credit Union executives are pulling up in sports cars.• Peter agreed with what Rosie said and suggested they meet after work that night to discuss something important.
Wednesday, Oct 18, 2023	SMS	Rosie messaged Peter on his mobile phone agreeing to see each other later.
Wednesday, Oct 18, 2023	SMS	Peter received a sms message on his phone from an unsaved/unknown number asking him to check his email.
Wednesday, 18 Oct 2023	Email	Peter received an email message from hockeyfan4747@proton.me asking if Rosie was on board with the plan.
Thursday, Oct 19, 2023	Email	Email messages between Rosie and Peter: <ul style="list-style-type: none">• Peter asked Rosie what she thinks about the idea he shared with her the previous night.• Rosie said she was intrigued and was thinking about how she could pull it off.• She said he had to get her copies of the forged withdrawal receipts so she could get started.• Rosie also asked Peter if he trusted Mr. X, Michaela Rokas, Catarina Mona, and Lanzo Agneza.• Peter replied that he trusted Mr. X, and it was actually Mr. X who had brought the idea to him a while back. Because he was seeing the execs getting rich while

		<p>he struggled to pay his bills, he was ready to put the plan into action, which is why he needed Rosie's help.</p> <ul style="list-style-type: none"> • He mentioned Rosie to keep details about the plan off their emails and also suggested deleting these emails to remove any traces of evidence.
Thursday, Oct 19, 2023	Email	<p>Email messages between Peter and "hockeyfan4747"</p> <p>Peter replied to the message from Wednesday, October 18, 2023, titled 'Question.' He said they would start the plan the upcoming Friday.</p>
Fri, Oct 20, 2023	SMS	<p>Email messages between Rosie and Peter:</p> <ul style="list-style-type: none"> • Peter received an SMS message from Rosie saying "she did it today", was going to the mall, and had sent him a picture. • Peter asked her to stop sending him messages on the phone and to email him instead.
Wed, Oct 25, 2023	SMS	<p>Peter received a sms message on his phone from an unsaved/unknown number (same number that messaged him on Oct 18, 2023) saying he left Peter a voice message.</p>

Conclusion

Evidence found on Peter's iPhone indicated the following:

- From the email correspondence between Peter and Rosie we found out that they both felt underpaid and had trouble paying bills.
- Based on SMS messages and images found on the phone, we can confirm that Peter and Rosie stole the money. The picture sent by Rosie, along with her GPS location, provides evidence of this crime.
- Digitech Inc. discovered email and sms evidence implicating an additional individual, known only as 'X.' This alias appeared in several email exchanges between Peter and Rosie. Peter confirmed that 'X' was the mastermind behind the theft scheme.
- Digitech Inc. discovered email communication from an individual using the alias 'hockeyfan4747' (hockeyfan4747@proton.me) inquiring about the progress of the plan. Notably, this email was preceded by a text message instructing Peter to check his email. This suggests that 'hockeyfan4747' may have contacted Peter through both text message and email, and could potentially be Mr. X, **but further investigation is necessary to confirm this.**
- Additionally, the phone number used to send the text message also left a voicemail for Peter. A transcript of this voicemail is included below. The caller identified himself as Oliver. Subsequent investigation determined that this voice belongs to Oliver Bell, District Manager at Pure Gold Credit Union's Midwest Region.

Bonus Conclusion

Did you determine who is Mr. X? If so, who is it, and how did you figure this out?

Data collected from Peter's phone implicated an individual known as 'Mr. X' as the suspected mastermind behind the theft. Evidence revealed a phone number and email address that contacted Peter, and the timeline and the topic of these messages suggests the same person communicated with him via both methods.

The transcript below is from a voicemail message Peter received on his phone on Wednesday, October 25, 2023, at 1:37:50 PM CDT from the phone number +1 (615) 807-0242.

This voicemail links to someone named Oliver, further investigation identified this voice as belonging to Oliver Bell, the District Manager at Pure Gold Credit Union's Midwest Region.

Additionally, analysis of the communication timeline and topics discussed suggests a potential link between this phone number and the email address hockeyfan4747@proton.me.

Note: However, further investigation is necessary to confirm the connection between the phone number and the email.

Audio transcript:

The screenshot shows the Veed.io subtitle editor interface. On the left, there's a sidebar with icons for Search, Settings, Media, Audio, Subtitles (which is selected), Text, Elements, and Record. The main area has tabs for Subtitles, Translate, Styles, and Options. A progress bar at the top right says "1 Log in to save progress". Below that is a large black video preview window. To the left of the preview is a list of subtitles with their transcription, start and end times, and edit icons. The subtitles are:

- Hey, Peter.
- It's me, your buddy Oliver.
- From my math, you and Rosie have cleared over 125k, remember, though, I get 20%.
- And I'll keep clearing the audit record
- so Evelyn can never catch you.
- Give me my cash, though.
- Put it in an envelope, leave it at my back door.

At the bottom, there are buttons for Back to Timeline, Split Subtitle, Add Subtitle, and a play/pause button with the time 00:02.0 / 00:21.3.

Appendix A: Correspondence Evidence

Peter's Email Message Data

Note: Time was converted to Central Daylight Time (CDT)

Email Messages				
Artifact #	Timestamp	Header Information	Key Information	Evidence Location
1	Wen, Oct 11, 2023, at 7:39:24 PM CDT	From: Peter Barnes < peterbarnes12792@icloud.com > To: rosieloyd071292@icloud.com Subject: Dinner	Peter sent Rosie a text message. It read: "Hey Rosie, great hanging out with you this weekend! Always good to hang out and talk about non-work things. Peter."	LogicalFileSet1/PeteriPhoneImage/Mail/MessageData/9/
2	Wen, Oct 11, 2023, at 7:39:25 PM CDT	From: Mail Delivery System < postmaster@icloud.com > To: peterbarnes12792@icloud.com Subject: Undelivered Mail Returned to Sender	Peter received a system-generated message and was informed that his email could not be delivered to < rosieloyd071292@icloud.com >. User doesn't exist.	LogicalFileSet1/PeteriPhoneImage/Mail/MessageData/8/
3	Wen, Oct 11, 2023, at 7:47:24 PM CDT	From: Peter Barnes < peterbarnes12792@icloud.com > To: rosieloyd071292@icloud.com	Peter corrected the email and resent it. "Hey Rosie, great hanging out with you this weekend! Always good to hang out and talk about non work	LogicalFileSet1/PeteriPhoneImage/Mail/MessageData/10/

		Subject: Dinner	things.Peter Barnes”	
4	Thu, Oct 12, 2023, at 5:36:08 PM CDT	From: Rosie Lloyd < rosielloyd071292@icloud.com > To: Peter Barnes < peterbarnes12792@icloud.com > Subject: Re: Dinner	Rosie replayed to Peter's email: “Hey Peter, Likewise, was so great to get a chance to hang out, outside of work. Sounds like we both feel that we aren't being paid enough, and on top of that all the Gold Credit Union executives are pulling up in sports cars. Its really frustrating :(.Rosie Llyod”	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/11/
5	Thu, 12 Oct 2023 5:59:41 PM CDT	From: Peter Barnes < peterbarnes12792@icloud.com > To: Rosie Lloyd < rosielloyd071292@icloud.com > Subject: Re: Dinner	Peter replied to Rosie: “I hear you, I'm really frustrated as well. Lets get together after work tonight, I wanted to run something by you. Peter Barnes”	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/12/
6	Wed, 18 Oct 2023 20:31:07 CDT	From: hockeyfan4747 hockeyfan4747@proton.me To: peterbarnes12792@icloud.com Subject: Question	Peter received an email sent with Proton Mail secure email. The sender of this email is unknown. “So, is Rosie in? ”	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/13/
7	Thu, Oct 19, 2023, at 9:02:43 PM CDT	From: Peter Barnes peterbarnes12792@icloud.com To: Rosie Lloyd (rosielloyd071292@icloud.com) Subject: Idea	Peter Messaged Rosie “Great getting together again last night, what did you think of the ‘idea’ I ran by you? Peter Barnes “	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/14/

8	Thu, Oct 19, 2023, at 9:07:55 PM CDT	<p>From: Rosie Lloyd <rosielloyd071292@icloud.com></p> <p>To: Peter Barnes <peterbarnes12792@icloud.com></p> <p>Subject: Re: Idea</p>	<p>Rosie replied to Peter's email:</p> <p>"Honestly, I am intrigued. Was up all night thinking about it, and how we can pull it off. Are you sure "X" can help us out? Do you trust X ? How about Michaela Rokas ?</p> <p>Rosie Lloyd "</p>	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/15/
9	Thu, Oct 19, 2023, at 9:11:14 PM CDT	<p>From: Peter Barnes <peterbarnes12792@icloud.com></p> <p>To: Rosie Lloyd <rosielloyd071292@icloud.com></p> <p>Subject: Re: Idea</p>	<p>Peter replied back to Rosie:</p> <p>"I trust X, it was actually X that brought this idea to me a while back. I thought they were kidding, but X kept asking. Now after seeing the exec's getting rich while I have trouble paying my bills, I am ready to put this into action. But I need your help to make this work. You know what to do next?</p> <p>Peter Barnes "</p>	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/16/
10	Thu, Oct 19, 2023, at 9:19:59 PM CDT	<p>From: Rosie Lloyd <rosielloyd071292@icloud.com></p> <p>To: Peter Barnes <peterbarnes12792@icloud.com></p> <p>Subject: Re: Idea</p>	<p>Rosie replied back to Peter:</p> <p>"Yup, you explained it well last night. Just get me the copies of the forged withdrawal receipts so I can get this going. Also, what about Catarina Mona and Lanzo, I think her last name is Agneza ?</p> <p>Rosie Lloyd "</p>	LogicalFileSet1/PeteriPhonelImage/Mail/MessageData/17/

11	Thu, Oct 19, 2023, at 9:22:57 PM CDT	From: Peter Barnes <peterbarnes12792@icloud.com> To: Rosie Lloyd <rosielloyd071292@icloud.com> Subject: Re: Idea	Peter replied to Rosie: “OK, but please try to keep details about this plan off our email, you may also want to delete these emails to remove any traces of evidence. You are being a little reckless and going to get us caught. They are ok, I get along with them for the most part. Peter Barnes”	LogicalFileSet1/PerteriPhonelImage/Mail/MessageData/18/
12	Thu, Oct 19, 2023, at 9:33:47 PM CDT	From: Rosie Lloyd <rosielloyd071292@icloud.com> To: Peter Barnes <peterbarnes12792@icloud.com> Subject: Re: Idea	Rosie messaged back: “Ok, I'll do that, and don't worry so much. Rosie Lloyd”	LogicalFileSet1/PerteriPhonelImage/Mail/MessageData/19/
13	Thu, Oct 19, 2023, at 9:38:10 PM CDT	From: Peter Barnes <peterbarnes12792@icloud.com> To: hockeyfan4747 <hockeyfan4747@proton.me> Subject: Re: Question	Peter replied back to “hockeyfan4747” “Yes, we are good, should get this going this Friday Peter Barnes”	LogicalFileSet1/PerteriPhonelImage/Mail/MessageData/20/
14	Thu, Oct 19, 2023, at 9:43:23 PM CDT	From: hockeyfan4747 <hockeyfan4747@proton.me> To: Peter Barnes <peterbarnes12792@icloud.com> Subject: Re: Question	Peter receive an email back from “hockeyfan4747” “Excellent! Sent with Proton Mail secure email.”	LogicalFileSet1/PerteriPhonelImage/Mail/MessageData/21/

Peter's SMS Messages

Note: Time was converter to Central Daylight Time (CDT)

SMS Messages				
Artifact #	Timestamp	Header Information	Key Information	Evidence Location
1	Wed, Oct 18, 2023 10:40:48 AM CDT Message was read: Wed, Oct 18, 2023 10:40:56 AM CDT	To: Peter Account: +16155719608 From: Rosie 16154278267 Message Type: IMessage	Sms message sent by Rosie to Peter: "Yup, see you then"	LogicalFileSet1/ PeteriPhoneImage/SMS/sms.db
2	Wed, Oct 18, 2023 10:49:47 AM CDT Message was read Wed, Oct 18, 2023 11:00:17 AM	To: Peter Account: +16155719608 From Unknown: 16158070242 Message Type: SMS	Sms message sent from unknown number to Peter: "Check your email"	LogicalFileSet1/ PeteriPhoneImage/SMS/sms.db
3	Wed, Oct 18, 2023 11:00:36 AM CDT	From: Peter Account: +16155719608 To: Unknown 16158070242 Message Type: SMS	Sms message sent by Peter to the unknown number: "Ok, will do"	LogicalFileSet1/ PeteriPhoneImage/SMS/sms.db
4	Fri, Oct 20,	To: Peter	I did it today. Can't believe it.	LogicalFileSet1/

	<p>2023 7:57:23 PM CDT</p> <p>Message was read Fri, Oct 20, 2023 7:57:51 PM CDT</p>	<p>Account: +16155719608</p> <p>From Rosie: 16154278267</p> <p>Message Type: IMessage</p>	Going to the mall later, wanna join me me? Also, I sent you a picture.	PeteriPhoneMage/SMS/sms.db
5	<p>Fri, Oct 20, 2023 7:58:50 PM CDT</p> <p>Message was read Fri, Oct 20, 2023 7:59:48 PM CDT</p>	<p>From: Peter Account: +16155719608</p> <p>To Rosie: 16154278267</p> <p>Message Type: IMessage</p>	Let's get off texts please, just email me to that email address.	LogicalFileSet1/ PeteriPhoneMage/SMS/sms.db
6	<p>Wed, Oct 25, 2023 1:37:50 PM CDT</p> <p>Message was read Wed, Oct 25, 2023 1:37:56 PM CDT</p>	<p>To: Peter Account: +16155719608</p> <p>From Unknown: 16158070242</p> <p>Message Type: SMS</p>	Just left you a VM, listen to it and get back to me!	LogicalFileSet1/ PeteriPhoneMage/SMS/sms.db
7	<p>Wed, Oct 25, 2023 1:38:56 PM CDT</p>	<p>From: Peter Account: +16155719608</p> <p>To Unknown: 16158070242</p> <p>Message Type: SMS</p>	Ok	LogicalFileSet1/ PeteriPhoneMage/SMS/sms.db

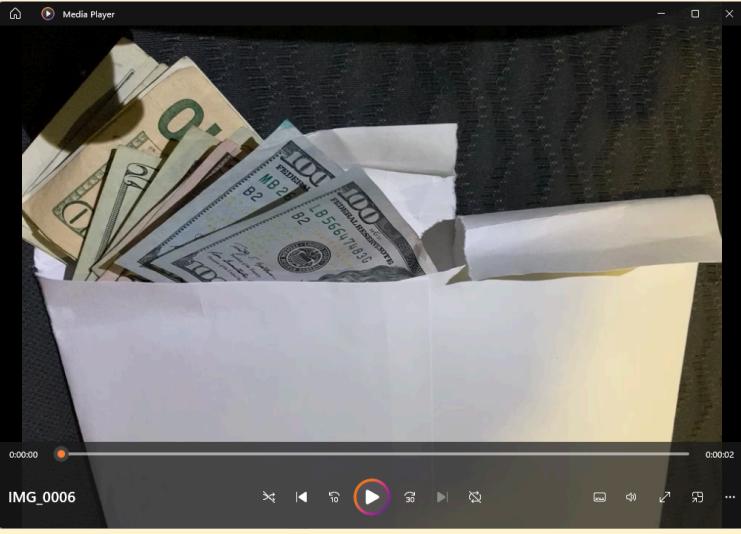
Peter's Browser Data

Browser Data		
Artifact #	URL	Evidence Location
1	https://www.google.com/search?q=forensic+accounting&ie=UTF-8&oe=UTF-8&hl=en-us&client=safari	LogicalFileSet1 /PeteriPhonelma ge/Safari History/History.db
2	https://www.google.com/search?q=forensic+accounting&client=safari&sca_esv=589658405&source=hp&ei=smt2ZYm8MOzGkPIPgl6PkAk&oq=forensic+a&gs_lp=EhFtb2JpbGUtZ3dzLXdpei1ocCIKZm9yZW5zaWMgYSoCCAAYCBAAGIAEGLedMggQABiABBixAzIIEAAgAQYsQMyCBAAGIAEGLedMggQABiABBixAzIIEAAgAQyBRAAGIAEMggQABiABBixA0iOSIDtGlibOXABeACQAQCYAXagAc4GqgEDOC4yuAEByAEA-AEBqAIQwgICECnCAhAQABgDGI8BGOUCGOoCGIwDwgIQC4YAxPARjlAhjqAhiMA8ICERAuGIAEGLedGIMBGMcBGNEDwgILEAAgAQYsQMYgwHCAg4QLhiABBiKBRixAxiDAcICCxAuGIAEGLedGIMBwgIЛЕAAgAQYigUYkgPCAg4QABiABBiKBRixAxiDAcICDhAA GIAEGLedGIMBGMkDwgIЕC4YgAQYsQPCAggQABiABBiSAw&client=mobile-gws-wiz-hp	LogicalFileSet1 /PeteriPhonelma ge/Safari History/History.db
3	https://en.m.wikipedia.org/wiki/Forensic_accounting	LogicalFileSet1 /PeteriPhonelma ge/Safari History/History.db
4	https://fullerllp.com/blog/advice-from-a-toronto-forensic-accounting-firm-how-to-minimize-the-risk-of-fraud-in-your-business/	LogicalFileSet1 /PeteriPhonelma ge/Safari History/History.db
5	https://www.google.com/search?q=money+lauderong+101&client=safari&sca_esv=1fcf95a82f2bb7d2&sca_upv=1&source=hp&ei=EGx2ZYWJLlaKwbkP7YKVuAs&oq=money+lauderong+101&gs_lp=EhFtb2JpbGUtZ3dzLXdpei1ocCITbW9uZXkgbGF1ZGVyb25nIDEwMTIHEAAgAQYDTIHEAAgAQYDTIGEAAYFhgeMgsQABiABBiKBRiGAzILEAAy	LogicalFileSet1 /PeteriPhonelma ge/Safari History/History.db

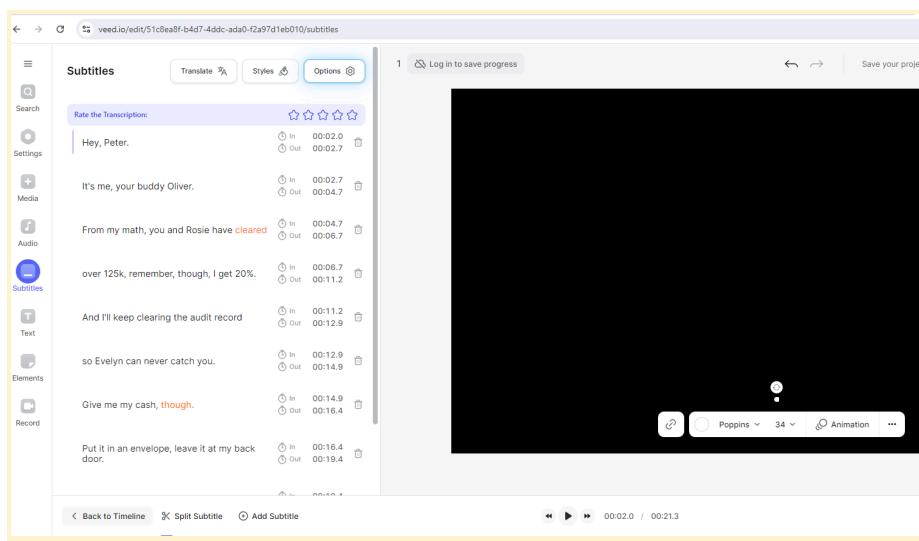
	gAQYigUYhgMyCxAAGIAEGloFGIYDMgsQABiABBiKBRiGAzILEAAy gAQYigUYhgNIwX1Q9BZY7nNwCHgAkAEAmAGKAaABhRGqAQQy MC42uAEDyAEA-AEBqAISwglFECKYoAHCAggQKRiABBixA8ICAhAp wgIQEC4YAxPARjAhjqAhMA8ICEBAAGAMYjwEY5QIY6gjYjAPCAg sQABiABBiKBRiRAsICERAuGIAEGLEDGIMBGMcBGNEDwgIOEAAY gAQYigUYsQMYgwHCAhEQLhiABBiKBRixAxiDARjUAsICdhAuGIAE GloFGLEDGIMBwgIKEAAgAQYigUYQ8ICBRAuGIAEwgILEAAgAQ YsQMYgwHCAgQUQABiABMICBBAAGAPCAiYQABiABBiKBRiRAhinB BjzAxipBBj0Axj1Axj2Axj3Axj4Axj5A8ICCxAuGIAEGloFGJECwgIEAA YgAQYsQPCAhQQLhiABBiKBRixAxiDARjHARjRA8ICDhAuGIAEGlo FGJECGLEDwgIEC4YgAQYsQPCAgoQLhiABBiKBRhDwgILEC4YgA QYxwEYrwHCAikQABiABBiKBRiRAhixAxinBBjzAxipBBj0Axj1Axj2Axj 3Axj4Axj5A8ICDRAAGIAEGloFGEMYsQPCAgQLhiABBixAxiDAcICE BAuGIAEGloFGEMYsQMYgwHCAg4QABiABBiKBRiRAhixA8ICDhAu GIAEGLEDGMcBGNEDwgIREAAgAQYigUYkQIYsQMYgwHCAgcQ ABiABBgKwgINEAAgAQYDRixAxixA8ICChAAGIAEGA0YsQPCAgo QABiABBgNGLEDGIMBwgIEAAgFhgeGA8&sclient=mobile-gws-wiz- hp	
6	https://www.ipservicesinc.com/money-laundering-101-understanding-the-basics/	LogicalFileSet1 /PeteriPhonelname/Safari History/History.db

Image Evidence

This image was sent by Rosie to Peter, along with a video file, on Fri, Oct 20, 2023 around 7:57 PM CDT. And a voice message was sent to Peter from Oliver on Wed, Oct 25, 2023 1:37:50 PM CDT.

Image Data		
Artifact #	Image	Evidence Location
1		LogicalFileSet1 /PeteriPhonelimage/SMS/Attachments/33/03/IMG_0006.HEIC
2		LogicalFileSet1 /PeteriPhonelimage/SMS/Attachments/33/03/IMG_0006.MOV

3

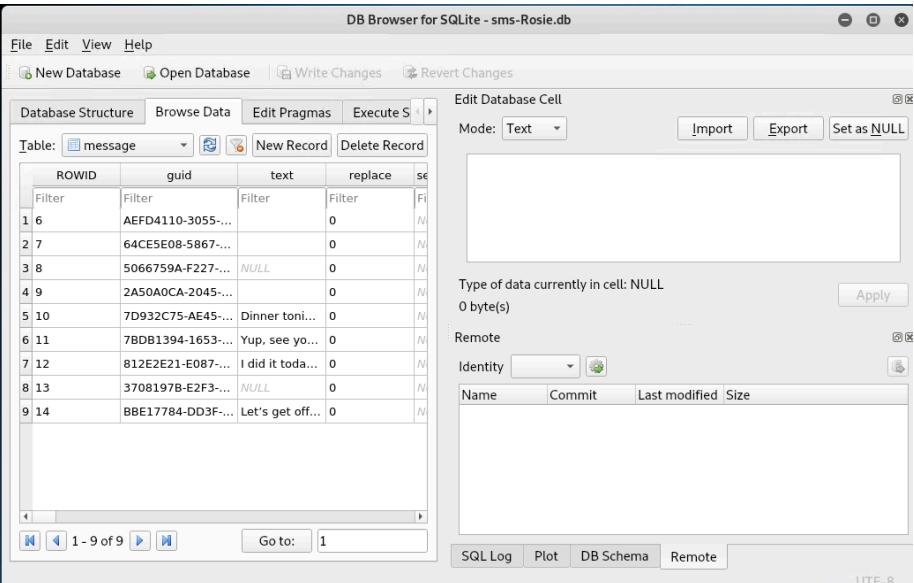


LogicalFileSet1
/PeteriPhonelm
age/Voicemail/
1.amr

Additional Evidence from Rosie's phone

We found additional evidence on Rosie's phone:

- Her message with Peter
- Rosie was searching online
 - “best place to store large amount of money”
 - “best place to hide emergency cash at home”
 - “how to hide case in your home”
 - “should i pay cash for a new or used car”

Browser Data		
Artifact #	URL	Evidence Location
1		LogicalFileSet1 /PeteriPhonelmage/Safari History/History.db

LogicalFileSet1
/PeteriPhoneLm
age/Safari
History/History.
db

Appendix B: GPS Location Information

We were able to analyze the data (.HEIC file) and determine the location where the Rosie's photo was taken:

GPS Information																																									
Artifact #	URL																																								
1	<div><p>Camera Make and Model</p><p>Apple - iPhone SE (2nd generation)</p><p>Camera Location Details</p><p>Photo GPS Location: 35.97045,-86.80738888888888</p><p>Image Preview</p><p>Preview not available</p><div><p>All Photo EXIF Data</p><p>Save & Share EXIF <input checked="" type="checkbox"/> Hide Serial Numbers</p><table><tbody><tr><td>Make</td><td>Apple</td></tr><tr><td>Model</td><td>iPhone SE (2nd generation)</td></tr><tr><td>Orientation</td><td>bottom-right</td></tr><tr><td>XResolution</td><td>72</td></tr><tr><td>YResolution</td><td>72</td></tr><tr><td>ResolutionUnit</td><td>inches</td></tr><tr><td>Software</td><td>16.5</td></tr><tr><td>DateTime</td><td>2023:10:20 19:53:39</td></tr><tr><td>HostComputer</td><td>iPhone SE (2nd generation)</td></tr><tr><td>Exif IFD Pointer</td><td>250</td></tr><tr><td>GPS Info IFD Pointer</td><td>2124</td></tr><tr><td>ExposureTime</td><td>1/46</td></tr><tr><td>FNumber</td><td>f/1.8</td></tr><tr><td>ExposureProgram</td><td>Normal program</td></tr><tr><td>ISOSpeedRatings</td><td>320</td></tr><tr><td>ExifVersion</td><td>0232</td></tr><tr><td>DateTimeOriginal</td><td>2023:10:20 19:53:39</td></tr><tr><td>DateTimeDigitized</td><td>2023:10:20 19:53:39</td></tr><tr><td>OffsetTime</td><td>-05:00</td></tr><tr><td>OffsetTimeOriginal</td><td>-05:00</td></tr></tbody></table></div></div>	Make	Apple	Model	iPhone SE (2nd generation)	Orientation	bottom-right	XResolution	72	YResolution	72	ResolutionUnit	inches	Software	16.5	DateTime	2023:10:20 19:53:39	HostComputer	iPhone SE (2nd generation)	Exif IFD Pointer	250	GPS Info IFD Pointer	2124	ExposureTime	1/46	FNumber	f/1.8	ExposureProgram	Normal program	ISOSpeedRatings	320	ExifVersion	0232	DateTimeOriginal	2023:10:20 19:53:39	DateTimeDigitized	2023:10:20 19:53:39	OffsetTime	-05:00	OffsetTimeOriginal	-05:00
Make	Apple																																								
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2

