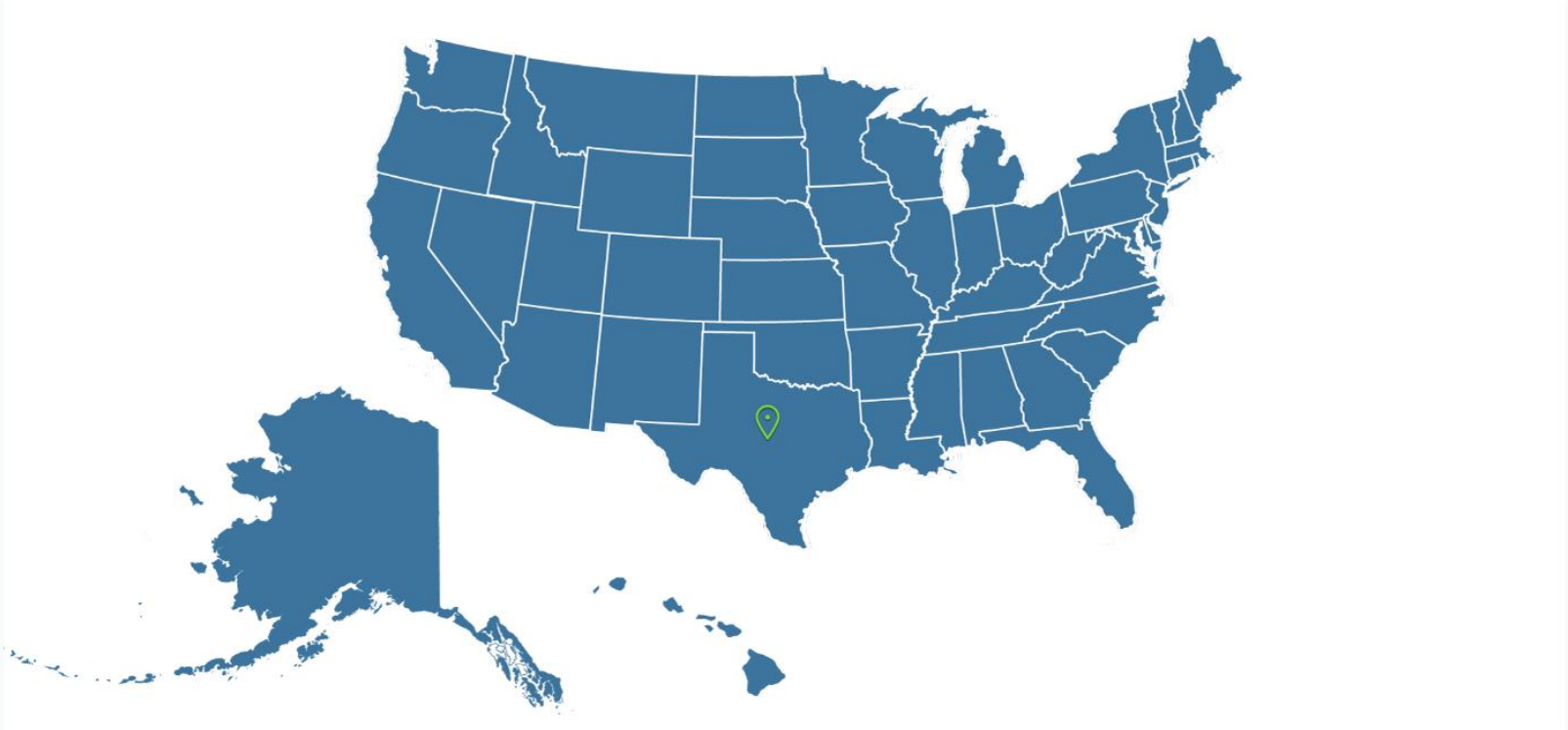


Digital Evidence: Understanding the Nuances of Search and Seizure, Discovery & Authentication in A Technology Based World

Jason Kalish



Where are you from?



🌐 When poll is active, respond at **pollev.com/lauragirard427**

📱 Text **LAURAGIRARD427** to **37607** once to join

How much experience do you have as a prosecutor?

Under 5 years

Between 5 and 9.99 years

Between 10 and 19.99 years

20 years or more

Goals

- What evidence is available?
- How do we get that evidence?
- How do we introduce that evidence?
- Special issues
- Case study

When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

Was it easier or harder to be a prosecutor 15 years ago?

These whippersnappers have it easy - the job was much harder when I was a line attorney.

The old people had the life - it's so much harder to prosecute now.

What makes the job harder?

Top



data

What evidence is available?

On device versus
on a network



A hand holding a blackberry smartphone against a blue sky with a cell tower in the background. The phone is a blackberry 9780, featuring a QWERTY keyboard and a trackball. The background is a clear blue sky with a cell tower visible in the distance. The text "I know that's a blackberry" is written in a serif font on the left side of the image.

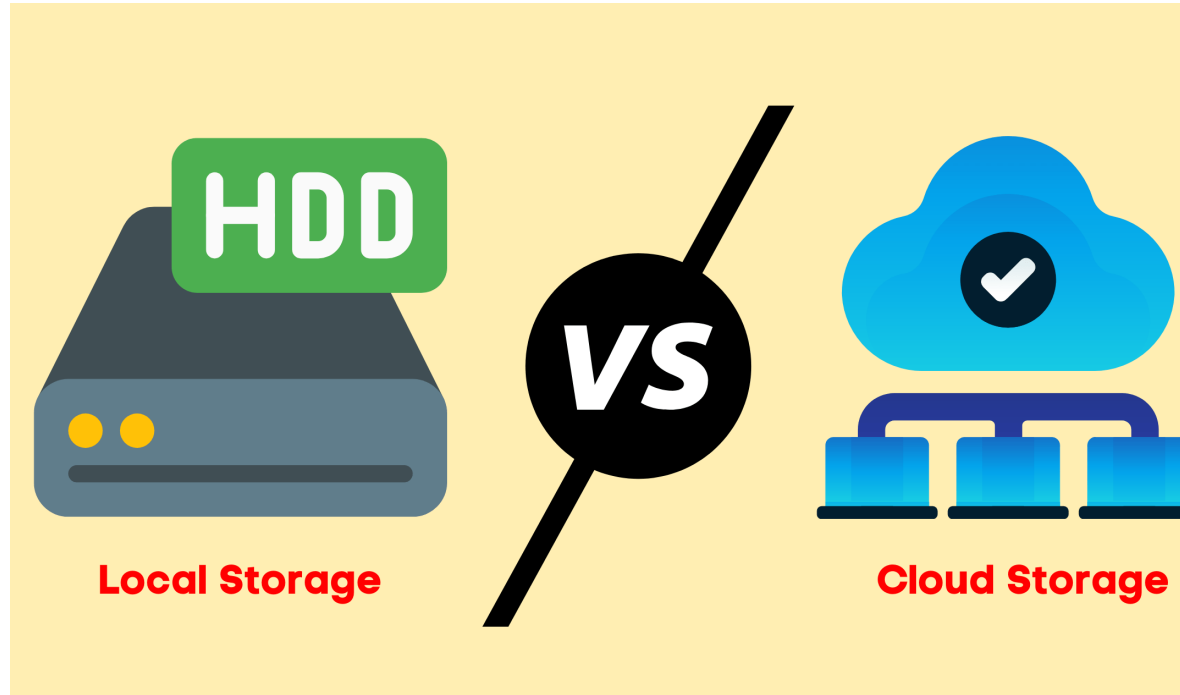
I know that's
a blackberry

What evidence is available?

On device versus
on a network



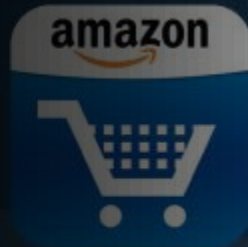
Local storage versus cloud storage





On device versus business records

Business data



CALLER	CALLED NBR	DIALED DIGIT	M R #	START DATE	END DATE	DURATION (SEC)	Call Type	NEI	1
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:52:21	01/27/2016 16:52:23	2	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:55:46	01/27/2016 16:55:48	2	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:56:33	01/27/2016 16:57:20	47	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 06:44:19	02/04/2016 06:45:07	48	Voice	606	
	(734) 620-5880		Outgoing	02/04/2016 07:47:13		0	Text Detail	193	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:34:49	02/04/2016 10:36:03	74	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/04/2016 10:45:03	02/04/2016 10:46:15	72	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:53:14	02/04/2016 10:53:39	25	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:54:01	02/04/2016 10:54:19	18	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 06:59:30	02/05/2016 07:00:17	47	Voice	606	
	(248) 722-6520		Incoming	02/05/2016 08:00:48		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 08:03:33		0	Text Detail	193	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 08:15:05	02/05/2016 08:19:29	264	Voice	606	
	(248) 722-6520		Incoming	02/05/2016 08:42:14		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 08:43:56		0	Text Detail	191	
	(734) 620-5880		Outgoing	02/05/2016 08:55:48		0	Text Detail	193	
	(248) 722-6520		Incoming	02/05/2016 09:04:51		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 09:05:53		0	Text Detail	192	
	(248) 722-6520		Incoming	02/05/2016 09:11:35		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 09:12:14		0	Text Detail	194	
	(734) 620-5880		Outgoing	02/05/2016 09:14:42		0	Text Detail	191	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 13:00:44	02/05/2016 13:01:10	26	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/05/2016 13:05:09	02/05/2016 13:05:20	11	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/05/2016 13:07:50	02/05/2016 13:08:30	40	Voice	606	
	(734) 620-5880		Outgoing	02/05/2016 14:02:10		0	Text Detail	192	
	(248) 722-6520		Incoming	02/05/2016 14:02:40		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 14:04:43		0	Text Detail	192	
	(248) 722-6520	(248) 722-6520	Incoming	02/08/2016 08:07:56	02/08/2016 08:08:24	28	Voice	606	

Computer records



ROBERT H HUBER DBA
GELATIN CAPSULE TECHNOLOGY

1537

70-2100/715-
142

Pay to the
Order of

02/03/2016
Montez Lavell Wright III
Thirty Six Thousand Five Hundred and 35/100 \$ *36,579.35*
36 Dollars

 PNC BANK

PNC Bank, N.A. 071

For *Full Payment - Ref - Wholesaler - Guthrie Co.* *Robert H. Huber*

1537

Search Term	URL	Date/Time - (UTC) (MM/dd/yyyy)
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks	02/04/2016 12:36:40 AM
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks&start=10	02/04/2016 12:37:01 AM
how to send a fake check using checking account	https://www.google.com/?gws_rd=ssl#q=how+to+send+a+fake+check+using+checking+account	02/04/2016 12:46:30 AM
accounts that take checking account numbers	https://www.google.com/?gws_rd=ssl#q=accounts+that+take+checking+account+numbers	02/04/2016 12:47:58 AM
wire transfer to bank account	https://www.google.com/af/ads?q=wire%20transfer%20to%20bank%20account&oe=utf-8&ie=utf-8&lo=false&adpage=1&adrep=4&po=false&r=m&fexp=21404&client=aj-dictionary-106&channel=12025%2Cchan_web%2CCorig_semQuery%2Cud_desktop%2CTEST_69%2Cask-non-dla&adtest=off&adsafe=medium&type=0&format=p4%7Cn5&ad=n5p4&nocache=2621454548343391&num=0&output=uds_ads_only&v=3&adlh=on&adext=as1%2Csr1&bsl=10&u_his=7&u_tz=-360&dt=1454548343400&u_w=1366&u_h=768&biw=1354&bih=651&psw=1354&psh=1730&frm=0&uio=uv3cs1sr1lo0po0va1hCs1cc0-lHaf3st15sd13sv13sa13lt18ld16lv16da1-lhaf3st15sd13sv13sa13lt18ld16lv16da1&rurl=http%3A%2F%2Fwww.ask.com%2Fweb%3Fam%3Dbroad%26q%3Dwire%2Btransfer%2Bto%2Bbank%2Baccount%26an%3Dmsn_s%26askid%3Dc7337beb-7027-4258-8053-929445a36df6-0-us_msb%26kv%3Ddefault%26gc%3D0%26dqi%3D%26qsrc%3D999%26ad%3DsemD%26o%3D12025%26l%3Ddir%26af%3D&referer=https%3A%2F%2Fwww.bing.com%2F	02/04/2016 01:12:23 AM

how to remove ink for checks

how to remove ink for checks

how to send a fake check using checking account

accounts that take checking account numbers

wire transfer to bank account

Email



From: Mossimo Giannulli [REDACTED]
Sent: Friday, August 19, 2016 1:42 AM
To: Rick Singer
Cc: Lori Giannulli
Subject: Re: USC

Fantastic. Will get all.

Sent from cup and string

> On Aug 18, 2016, at 4:23 PM, Rick Singer [REDACTED] wrote:

>

> Lori and Moss, I met with USC today about [REDACTED] I need a PDF of her transcript and test scores very soon while I create a coxswain portfolio for her. It would probably help to get a picture with her on an ERG in workout clothes like a real athlete too.

>

> Sent from my iPhone

From: Mossimo Giannulli [REDACTED]
Date: July 28, 2017 at 10:47:22 AM PDT
To: Rick Singer [REDACTED]
Cc: Lori Giannulli [REDACTED]







Messaging



(mid.1418009207686:7bf2b7414641934c49)

Recipients Kay Lawrence (100001797176739)

OG Triple (100006157808048)

Author OG Triple (100006157808048)

Sent 2014-12-08 03:26:47 UTC

IP 64.16.57.7

Deleted false

Body Before i take this DNA test i would like to set up a time for you me and the baby to meet so i can play with her before all this happens. You should know who dis is. The real one not the other fake shit you have been talking to. so hit me up here if yiu wanna meet so i can play wit da baby.

Target 100001797176739

Registered kay.lawrence2@facebook.com

Target 100006157808048

Registered tired.ofit.37@facebook.com

Email allyn_smith01@yahoo.com

When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

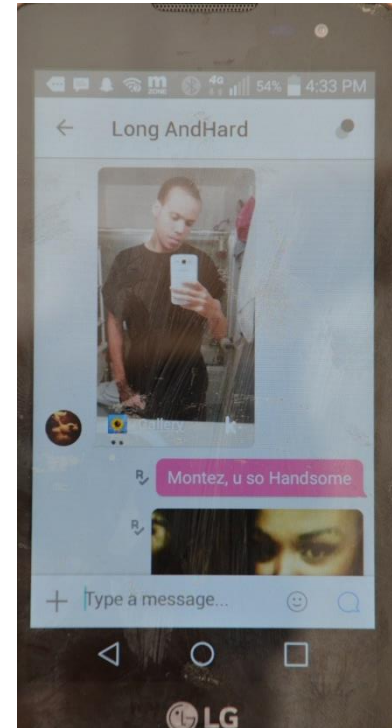
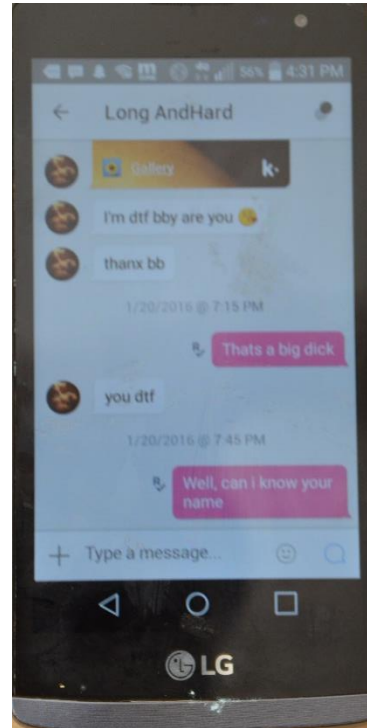
Does your office have a policy about accessing defendants or jurors social media?

Yes

No

Text Messages





Phone SMS - Text Messages

SMS MD5 Hash: D8C253949B1FD41289A25C8F1E97CCA7

SMS SHA256 Hash: 64B9E80C 8407863 39EDAB6 F7F7460 3BA3652 07F58B5 4E9486F 2AF01D1 A391603

#	Number	Name	Date & Time	SMSC	Status	Folder	Storage	Type	Text
1	40404	Twitter.	01/07/11 12:50:22		Read	Inbox	Phone	Incoming	planetcrimson: Christine Shirley Villareal Korza, my wonderful grandmother, passed away at about 12:30pm surrounded by her family. We all miss her so much.
2	40404	Twitter.	02/02/11 13:51:56		Read	Inbox	Phone	Incoming	planetcrimson: Today would have been my grandma's 73rd birthday. Going to her grave for the first time and then eating some of her best recipes. Miss you!
3	6025404397	Kianna(:	07/16/11 12:52:44		Sent	Outbox	Phone	Outgoing	Maybe <..Imdone..>
4	6025404397	Kianna(:	07/16/11 12:53:54		Read	Inbox	Phone	Incoming	Alright well i will text you when i get over to arielles and see if your up for it? I would really like to see you. I miss you
5	6025404397	Kianna(:	07/16/11 12:54:24		Sent	Outbox	Phone	Outgoing	K miss you to <..Imdone..>
6	6025404397	Kianna(:	07/16/11 12:54:56		Read	Inbox	Phone	Incoming	You okay?
7	6025404397	Kianna(:	07/16/11 12:55:04		Sent	Outbox	Phone	Outgoing	No <..Imdone..>
8	6025404397	Kianna(:	07/16/11 12:56:13		Read	Inbox	Phone	Incoming	Will you please tell me whats wrong
9	6025404397	Kianna(:	07/16/11 12:56:25		Sent	Outbox	Phone	Outgoing	No <..Imdone..>



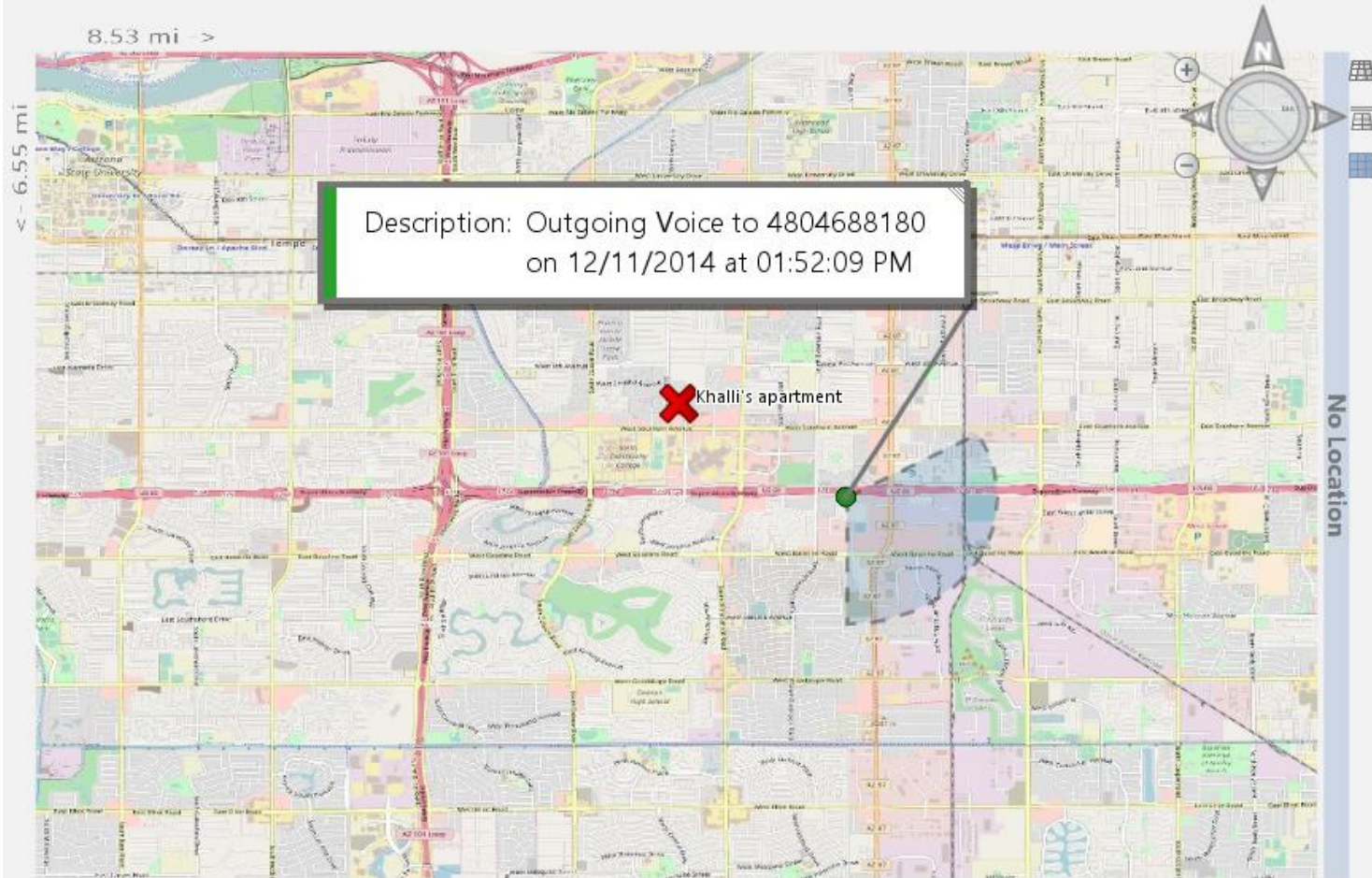
Unknown Caller

Phone calls

Call Log (60)

#	Type	Parties	Timestamp	Duration	Country code	Network code	Network Name	Video call	Source	Deleted
1	Missed	From: 19545580752	2/10/2016 2:54:50 PM	00:00:00					Source Extraction: Logical	
2	Missed	From: [REDACTED]	2/10/2016 12:55:37 AM	00:00:00					Source Extraction: Logical	
3	Missed	[REDACTED] Lonny	2/9/2016 10:02:27 PM	00:00:00					Source Extraction: Logical	
4	Missed	From: [REDACTED]	2/9/2016 8:37:13 PM	00:00:00					Source Extraction: Logical	
5	Missed	[REDACTED] Nancy	2/9/2016 6:55:26 PM	00:00:00					Source Extraction: Logical	
6	Missed	From: [REDACTED]	2/9/2016 6:39:01 PM	00:00:00					Source Extraction: Logical	
7	Missed	[REDACTED] Dan	2/9/2016 5:17:22 PM	00:00:00					Source Extraction: Logical	
8	Missed	From: [REDACTED]	2/9/2016 3:02:31 PM	00:00:00					Source Extraction: Logical	
9	Missed	From: 15033208114 Diane	2/9/2016 2:01:01 PM	00:00:00					Source Extraction: Logical	
10	Missed	From: [REDACTED]	2/9/2016 1:56:09 PM	00:00:00					Source Extraction: Logical	
11	Missed	[REDACTED] Dan	2/9/2016 1:11:17 PM	00:00:00					Source Extraction: Logical	
12	Missed	From: [REDACTED]	2/9/2016 11:48:01 AM	00:00:00					Source Extraction: Logical	
13	Missed	[REDACTED] Dan	2/9/2016 11:11:43 AM	00:00:00					Source Extraction: Logical	
14	Missed	From: [REDACTED]	2/9/2016 10:33:13 AM	00:00:00					Source Extraction: Logical	
15	Missed	[REDACTED] Dan	2/9/2016 10:21:02 AM	00:00:00					Source Extraction: Logical	
16	Missed	From: 15033208114 Diane	2/9/2016 9:58:57 AM	00:00:00					Source Extraction: Logical	
17	Missed	[REDACTED]	2/9/2016 9:16:19 AM	00:00:00					Source Extraction: Logical	

CALLER	CALLED NBR	DIALED DIGIT	M R #	START DATE	END DATE	DURATION (SEC)	Call Type	NEI	1
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:52:21	01/27/2016 16:52:23	2	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:55:46	01/27/2016 16:55:48	2	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	01/27/2016 16:56:33	01/27/2016 16:57:20	47	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 06:44:19	02/04/2016 06:45:07	48	Voice	606	
	(734) 620-5880		Outgoing	02/04/2016 07:47:13		0	Text Detail	193	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:34:49	02/04/2016 10:36:03	74	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/04/2016 10:45:03	02/04/2016 10:46:15	72	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:53:14	02/04/2016 10:53:39	25	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/04/2016 10:54:01	02/04/2016 10:54:19	18	Voice	606	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 06:59:30	02/05/2016 07:00:17	47	Voice	606	
	(248) 722-6520		Incoming	02/05/2016 08:00:48		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 08:03:33		0	Text Detail	193	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 08:15:05	02/05/2016 08:19:29	264	Voice	606	
	(248) 722-6520		Incoming	02/05/2016 08:42:14		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 08:43:56		0	Text Detail	191	
	(734) 620-5880		Outgoing	02/05/2016 08:55:48		0	Text Detail	193	
	(248) 722-6520		Incoming	02/05/2016 09:04:51		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 09:05:53		0	Text Detail	192	
	(248) 722-6520		Incoming	02/05/2016 09:11:35		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 09:12:14		0	Text Detail	194	
	(734) 620-5880		Outgoing	02/05/2016 09:14:42		0	Text Detail	191	
	(248) 722-6520	(248) 722-6520	Incoming	02/05/2016 13:00:44	02/05/2016 13:01:10	26	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/05/2016 13:05:09	02/05/2016 13:05:20	11	Voice	606	
	(734) 620-5880	(734) 620-5880	Outgoing	02/05/2016 13:07:50	02/05/2016 13:08:30	40	Voice	606	
	(734) 620-5880		Outgoing	02/05/2016 14:02:10		0	Text Detail	192	
	(248) 722-6520		Incoming	02/05/2016 14:02:40		0	Text Detail	196	
	(734) 620-5880		Outgoing	02/05/2016 14:04:43		0	Text Detail	192	
	(248) 722-6520	(248) 722-6520	Incoming	02/08/2016 08:07:56	02/08/2016 08:08:24	28	Voice	606	



Selected 0 / 37534 events



GeoTime



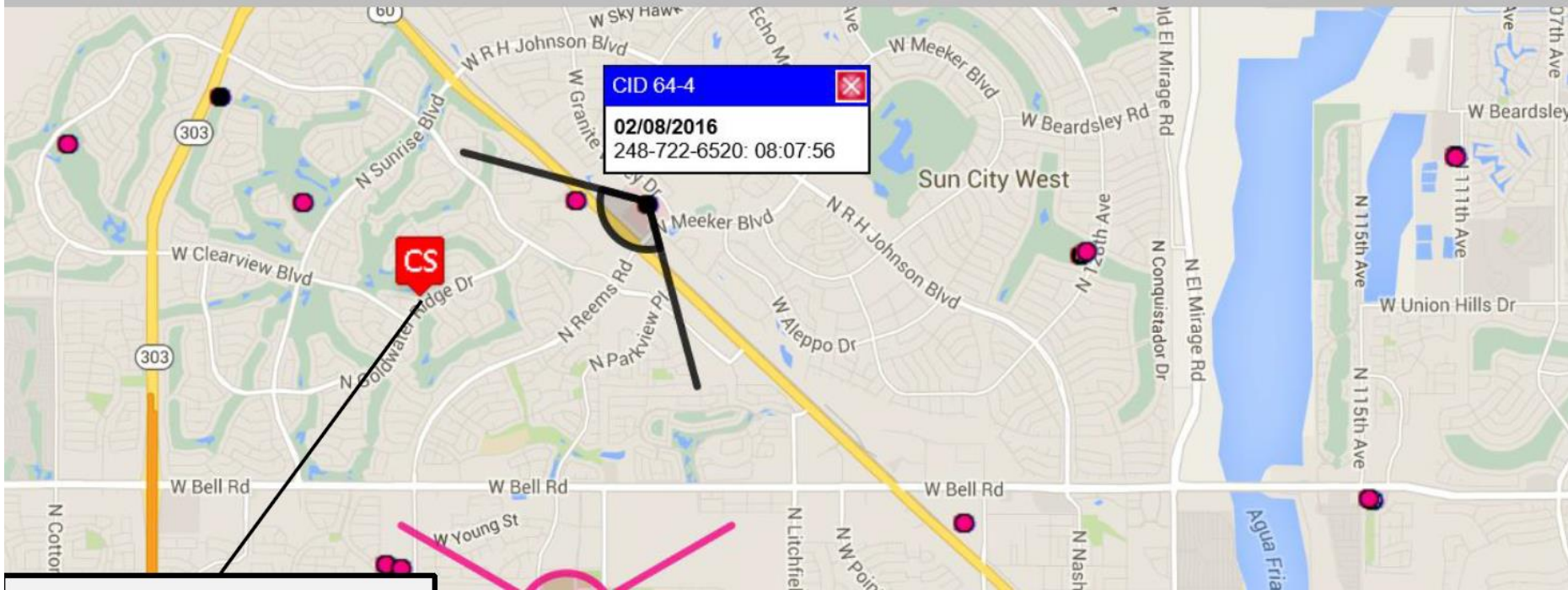
Historical Cell Site Analysis

Cell Site Activations for Sprint 248-722-6520 and T-Mobile 734-620-5880

02/08/2016 8:07 am, 8:08 am



Note: T-Mobile 734-620-5880 was recovered at the scene of the homicide. The call depicted on this slide is from Sprint 248-722-6520 to T-Mobile 734-620-5880, time discrepancy is due to different service providers.



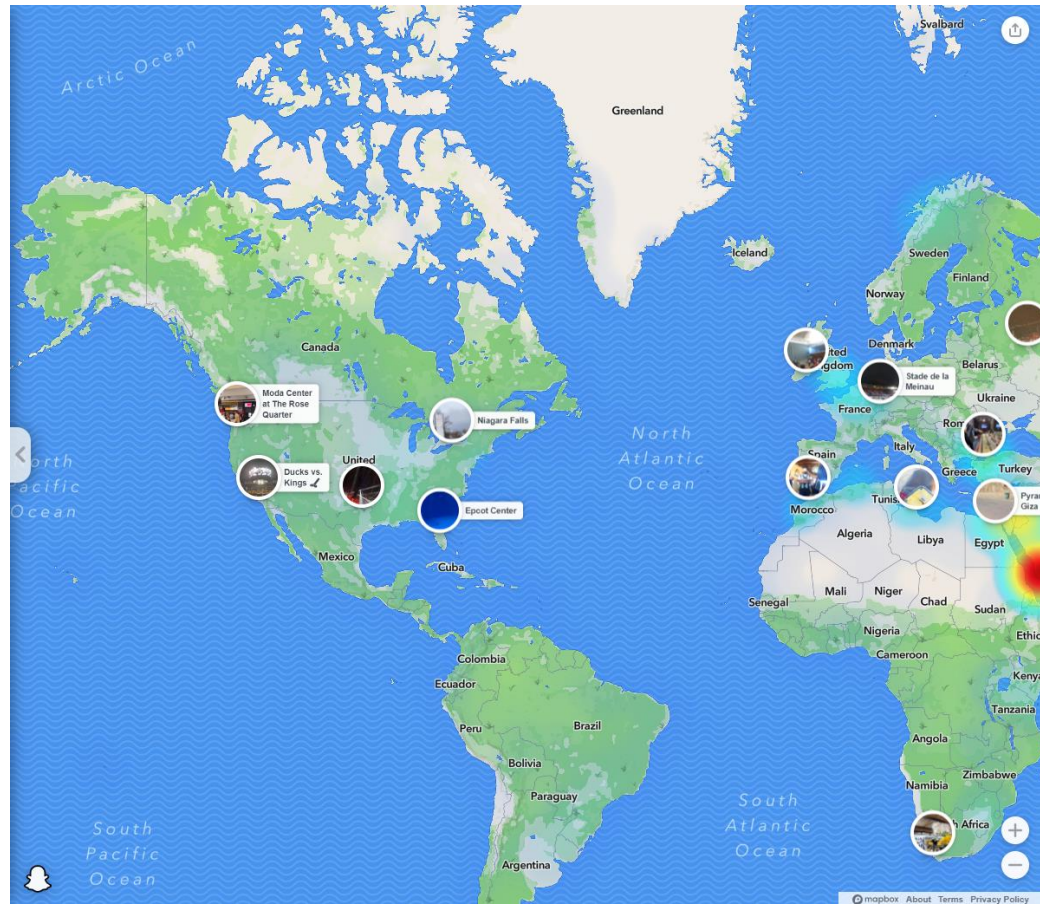
Geolocation



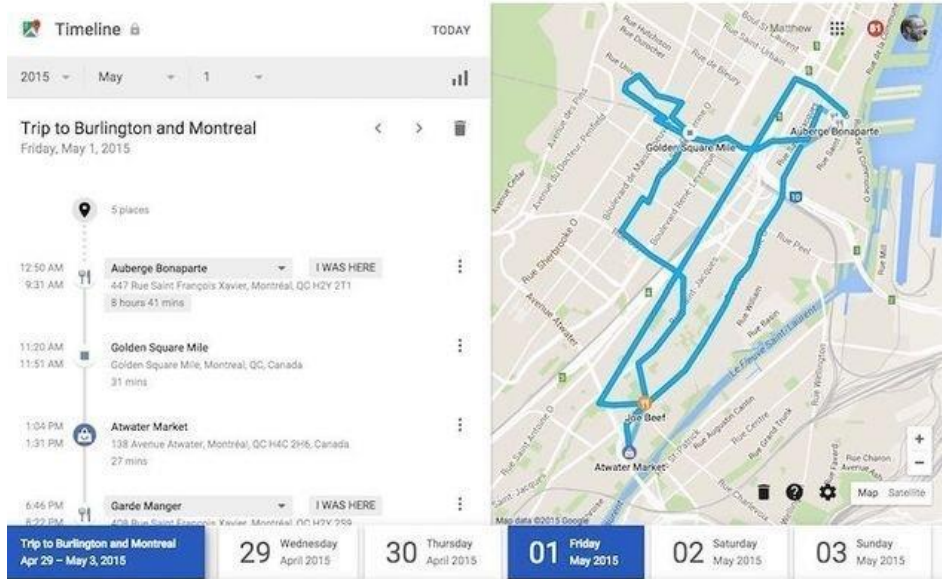
Geolocation

- Geolocation refers to the identification of the geographic location of a user or computing device via a variety of data collection mechanisms.

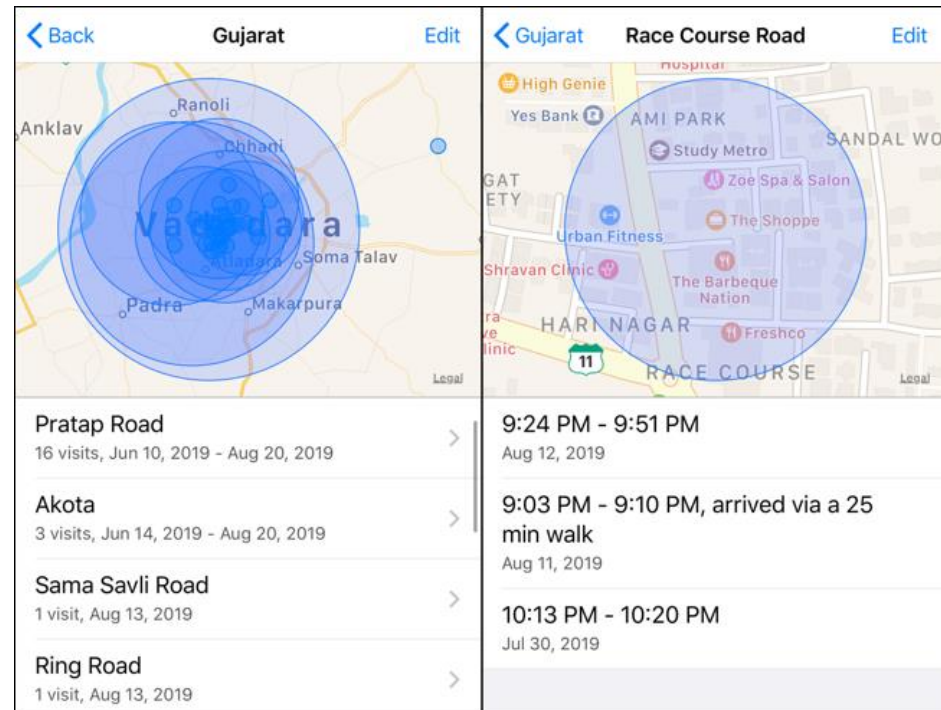
Snapmap



Google location history



Apple location history



What is Google's main function?

Top

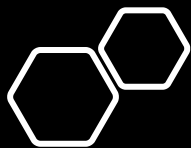
Analysis

6 November 2019 • Reading time 21 - 26 minutes

In 2018 \$273bn was spent on digital ads globally. We delve into the world of clicks, banners and keywords to find out if any of it is real. What do we really know about the effectiveness of digital advertising?

The new dot com bubble is here: it's called online advertising





- 80% of Alphabet's revenue comes from Google ads. \$147 billion in 2020.

Ad · <https://go.groundtruth.com/> ☎ (888) 234-7893

Geotargeted ads - 100% Self Serve & No Contracts

Drive outcomes that matter using Location-Based **ads**. No minimum spend required. Increase Your Store Visits With Location-Based **Advertising**. Get Started Today! Now Offering CTV. Simple Account Creation. Drives Web & Store Sales. Real-Time Location Data.

Geofencing 101

Learn How You Can Use Geomarketing
To Increase Store Visits & Sales

GroundTruth on CTV

Extend Your Reach With Location
Based Connected TV Ads. Learn More

Ad · <https://www.marketing360.com/> ☎ (833) 277-1329

Marketing 360® - Google Marketing - marketing360.com

#1 Marketing Platform® For Small Business That Want To Leverage Social, Search, & Tech!
Online **Advertising** Powered By Marketing 360. Your Small Business Dream Team.

Ad · https://www.nextlevelsem.com/leading/google_agency ☎ (866) 597-3766

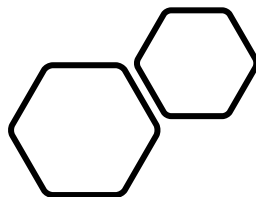
Google Ads Advertising - Guaranteed Return on Ad Spend

One-on-One SEM Management by Top-Rated Strategist. Get in Front of Your **Target**
Demographic

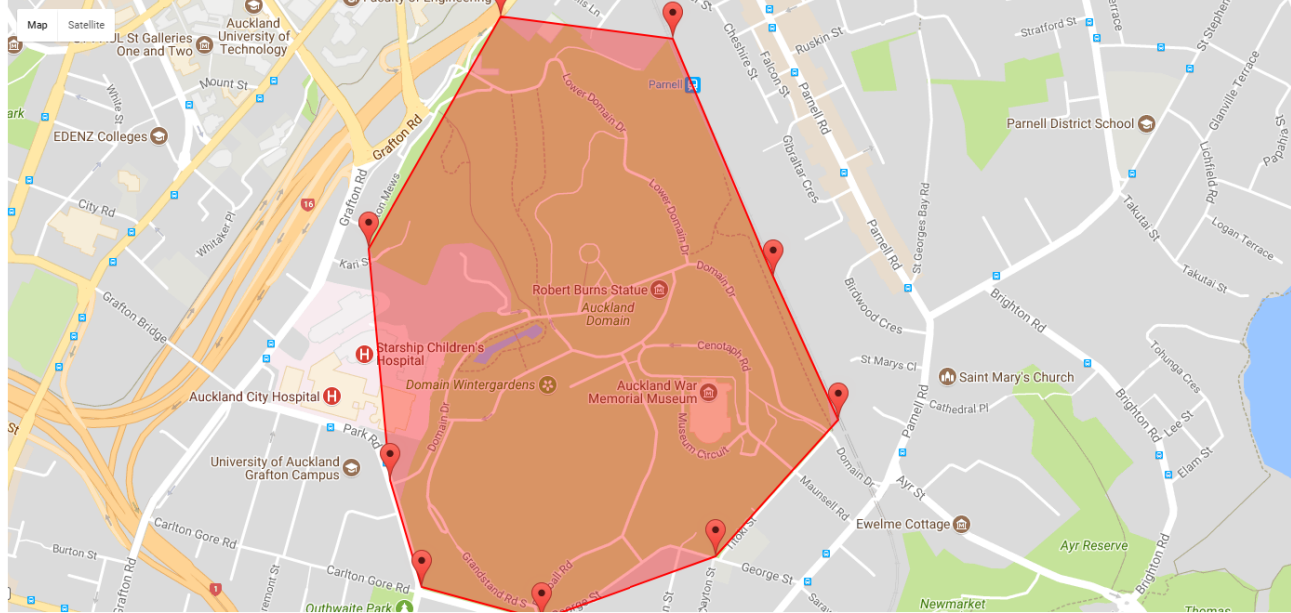
Ad · <https://forbusiness.snapchat.com/> ☎

Snapchat Geo Targeted Ads - Campaigns Starting at \$5

We've made the Snap Map even more personalized with Places. Places are businesses...



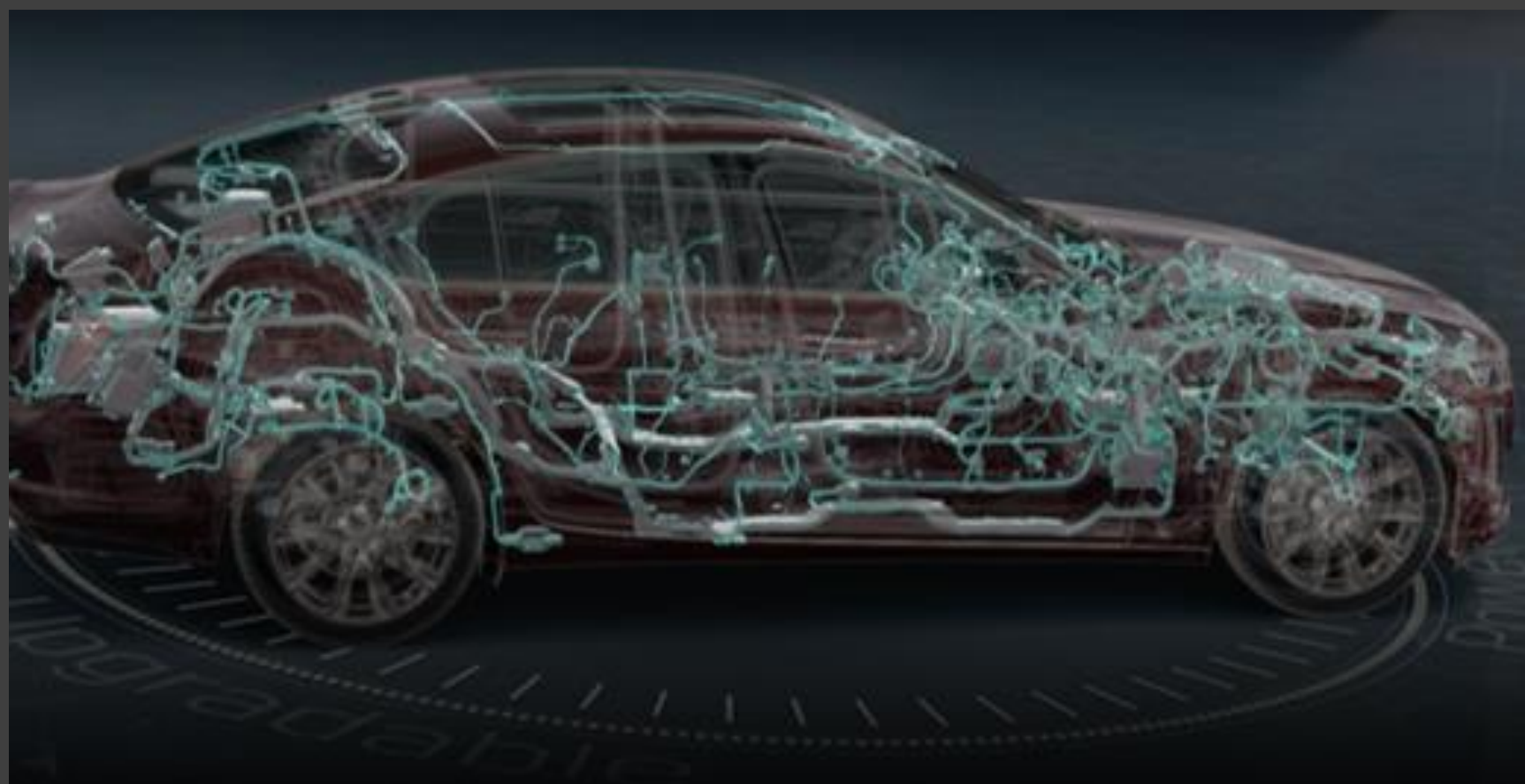
Geofence



Year	Google Geofence Warrants
2018	982
2019	8,396
2020	11,554

Other location tracking





iVe-Mobile App

App Store Preview

Open the Mac App Store to buy and download apps.



iVe-Mobile 4+

[Berla Inc.](#)

Designed for iPad

★★★★★ 4.9 • 7 Ratings

Free

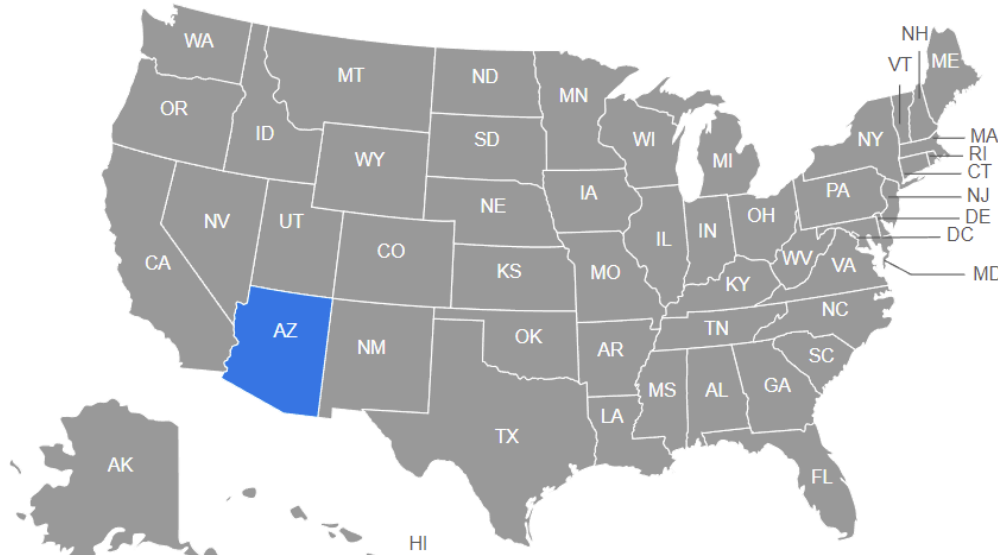
Most popular cars in America

[Share this chart](#)

These are the top-selling—i.e. most popular—vehicles by state, as determined by Edmunds data collected over the course of 2021[†]. Vehicles included in the data set are exclusively retail registrations to individuals and do not include rental sales or registrations from government bodies. Additionally, only new vehicle registrations were included. Click on a state to view its five top-selling vehicles.

By: [Vehicle](#) State

Choose a vehicle



Best selling cars

- Ford F-Series
- Chevrolet Silverado
- Ram 1500/2500/3500
- Toyota RAV4
- Honda CR-V
- Toyota Tacoma
- Honda Civic
- Toyota Corolla

Available on a 2020 F150



× Vehicle Lookup

Vehicle

Make

Ford

Year

2020


Model

F-150

+

Supported System(s)

Sync Gen3



✓ Connected Devices

✓ Location Data

✓ Vehicle Events

?

...

Save Vehicle

Available on a 2020 F150



< Sync Gen3

- ✓ Devices ^
- ✓ Phones
- ✓ Unique Identifiers
- ✓ Contacts
- ✓ Call Logs
- ⊖ SMS
- ✓ Media Files
- ✓ Mass Storage Devices
- ✓ Unique Identifiers
- ✓ Media Files

Available on a 2020 F150



✓ Navigation

✓ Tracklogs

✓ Location

⊖ Routes

✓ System Metadata

iVe-Mobile App

App Store Preview

Open the Mac App Store to buy and download apps.



iVe-Mobile 4+

[Berla Inc.](#)

Designed for iPad

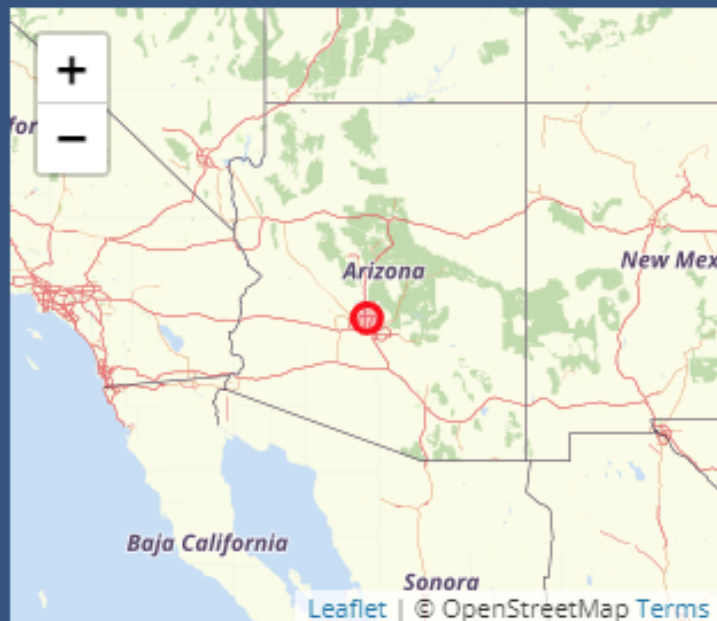
★★★★★ 4.9 • 7 Ratings

Free

A stylized illustration of a desk environment. In the center is a laptop with a light gray screen. To the left of the laptop is a desk lamp with a blue base and a gray lampshade, and a white mug. To the right is a green cactus in a tan pot. The background features light blue rounded rectangular shapes.

**Your IP address:
77.872.67.54**

Decimal: 1186863619
Hostname: ip70-190-26-3.ph.ph.cox.net
ASN: 22773
ISP: Cox Communications
Organization: Cox Communications
Services: None detected
Type: [Broadband](#)
Assignment: [Likely Static IP](#)
Continent: North America
Country: United States
State/Region: Arizona
City: Phoenix



Latitude: 33.6362 (33° 38' 10.32" N)
Longitude: -112.0908 (112° 5' 26.88" W)
Postal Code: 85023

[CLICK TO CHECK BLACKLIST STATUS](#)





steven 

@meteorbower



all of you iphone users making fun
of people tweeting from androids
wish you could be on my fucking
level

7:15 PM · 13 Jan 19 · [GUCCI SmartToilet™](#)

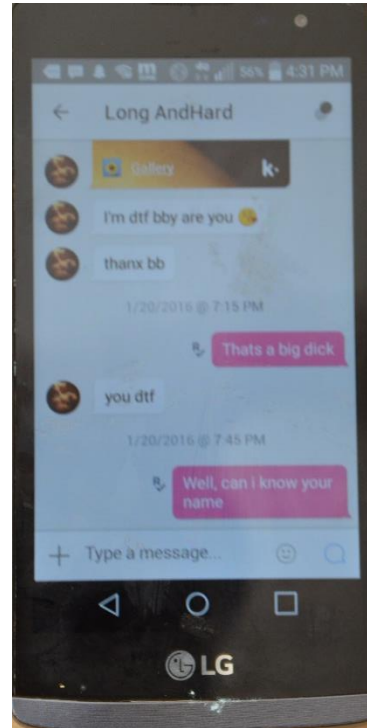
62 Retweets **125** Likes

Videos





How do we legally
obtain the evidence?





On device versus business records

Fourth Amendment

- The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.



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Search and Seizure

- U.S. v. Jacobsen, 466 U.S. 109 (1984)
- Opening a package was a search, but ok because private carrier did it.



Search and Seizure

- “A “search” occurs when an expectation of privacy that society is prepared to consider reasonable is infringed. A “seizure” of property occurs when there is some meaningful interference with an individual's possessory interests in that property.”
- U.S. v. Jacobsen, 466 U.S. 109 (1984)



Reasonable
expectation
of privacy



Search and Seizure

- Katz v. U.S., 389 U.S. 347 (1967)
- Electronic surveillance of phone booth violated Fourth Amendment



Search and Seizure

- “For the Fourth Amendment protects people, not places. What a person knowingly exposes to the public, even in his own home or office, is not a subject of Fourth Amendment protection...But what he seeks to preserve as private, even in an area accessible to the public, may be constitutionally protected.
- *Katz v. U.S.*, 389 U.S. 347 (1967) (citations omitted).



Search and Seizure

- Police look through window blind to see defendant bagging cocaine.
- Defendant was guest at apartment.
- No reasonable expectation of privacy.
- Minnesota v Carter, 525 U.S. 83 (1998)



Search and Seizure

- If there is a reasonable expectation of privacy, you must have either have a warrant or a legally recognized exception to the warrant requirement



Exceptions

- Incident to arrest
- Plain view
- Third-party
- Private search
- Consent
- Exigent circumstances





Reasonable
expectation
of privacy



Search and Seizure

- Police use Thermovision to look for marijuana grows.
- “Where, as here, the Government uses a device that is not in general public use, to explore details of the home that would previously have been unknowable without physical intrusion, the surveillance is a “search” and is presumptively unreasonable without a warrant.”
- *Kyllo v. U.S.*, 533 U.S. 27 (2001)



Search and Seizure

Riley v. California, 573
U.S. 373 (2014)



Exceptions

- Incident to arrest



Chimel v. California(1969)

- Search area within immediate control
- Remove weapons
- Prevent destruction of evidence
- Allowed search of entire house



U.S. v. Robinson (1973) & Arizona v. Gant (2009)

- Applied to search of arrestee's person
- Applied to car search



Riley v. California

- “it is no exaggeration to say that many of the more than 90% of American adults who own a cell phone keep on their person a digital record of nearly every aspect of their lives—from the mundane to the intimate...Indeed, a cell phone search would typically expose to the government far *more* than the most exhaustive search of a house.”



Riley v. California

- “But while Robinson 's categorical rule strikes the appropriate balance in the context of physical objects, neither of its rationales has much force with respect to digital content on cell phones... Cell phones, however, place vast quantities of personal information literally in the hands of individuals. A search of the information on a cell phone bears little resemblance to the type of brief physical search considered in Robinson.”
- “We therefore decline to extend Robinson to searches of data on cell phones, and hold instead that officers must generally secure a warrant before conducting such a search.”



Exceptions

- ~~Incident to arrest~~
- ~~Plain view~~
- Third-party
- Private search
- Consent
- Exigent circumstances



**GET A
WARRANT**

Illinois v. Gates, 462 U.S. 213 (1983)

- “The task of the issuing magistrate is simply to make a practical, common-sense decision whether, given all the circumstances set forth in the affidavit before him, including the “veracity” and “basis of knowledge” of persons supplying hearsay information, there is a fair probability that contraband or evidence of a crime will be found in a particular place.”

Fourth Amendment

- The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.



Groh v. Ramirez, 540 U.S. 551 (2004)

- “This warrant did not simply omit a few items from a list of many to be seized, or misdescribe a few of several items. Nor did it make what fairly could be characterized as a mere technical mistake or typographical error. Rather, in the space set aside for a description of the items to be seized, the warrant stated that the items consisted of a “single dwelling residence ... blue in color.” In other words, the warrant did not describe the items to be seized at all. In this respect the warrant was so obviously deficient that we must regard the search as “warrantless” within the meaning of our case law.”

Burns v. United States, 235 A.3d 758 (2020)

Enough to get a warrant?

- It is your Affiant's belief that there is probable cause that evidence related to this homicide may be contained in the ["LG"] ["Alcatel One Touch"] cellular telephone device. It is also your Affiant's belief that obtaining the phone information requested is the least intrusive means of establishing namely, but not limited to, who possessed or used the device, the subscriber and owner information, the cell phone device phone number, incoming and outgoing calls, contact list, all existing voice mail and text messages, and videos, photographs and tweets contained within the described cellular telephone. Furthermore, it[] is your Affiant's belief that this information could establish the whereabouts of W-2 [Mr. Burns] and W-3 [Mr. Burns's cousin] cellular telephones on the night and time of the murder and help identify potential witnesses, suspects and confederates yet unknown.

Burns v. United States, 235 A.3d 758 (2020)

Enough to get a warrant?

- 1. All records on the Device described in Attachment A that relate to violations of D.C. Code, Section 22-2201 [the first-degree murder statute], including:
 - a. any evidence related to the aforementioned homicide that occurred on or about November 15, 2015;
 - b. any identifying information of the owner/possessor, and or owner/possessor's friends[,] acquaintances, and/or relatives;
 - c. any information recording the owner/possessor's schedule or travel or location from October 1 to November 16, 2015;
- 2. Evidence of user attribution showing who used or owned the Device at the time the things described in this warrant were created, edited, or deleted, such as logs, texts, tweets, phonebooks, saved usernames and passwords, documents, and browsing history;
- 3. Records of Internet activity, including firewall logs, caches, browser history and cookies, “bookmarked” or “favorite” web pages, search terms that the user entered into any Internet search engine, and records of user-typed web addresses.

When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

Was that enough to get a warrant?

Yes

No

Burns v. United States, 235 A.3d 758 (2020)

- “A search warrant for data on a modern smart phone therefore must fully comply with the requirements of the Warrant Clause. It is not enough for police to show there is probable cause to arrest the owner or user of the cell phone, or even to establish probable cause to believe the phone contains some evidence of a crime. To be compliant with the Fourth Amendment, the warrant must specify the particular items of evidence to be searched for and seized from the phone and be strictly limited to the time period and information or other data for which probable cause has been properly established through the facts and circumstances set forth under oath in the warrant's supporting affidavit.”

Burns v. United States, 235 A.3d 758 (2020)

- “In lieu of facts, Detective Littlejohn simply stated it was his “belief” there was probable cause that evidence related to the homicide would be found on the phones — specifically, in the phones’ subscriber and owner information, call logs, contact lists, voice mail and text messages, videos, photographs, and tweets. The detective added it was his “belief” this information could establish the whereabouts of Mr. Burns’s and W-3’s phones at the time of the murder and “help identify potential witnesses, suspects and confederates yet unknown.”
- The affidavits were thus classic “bare bones” statements as to everything on Mr. Burns’s phones for which Detective Littlejohn made a claim of probable cause beyond the three narrow categories of data for which the affidavits made proper factual showings. In approving a more expansive request, the warrant judge failed to fulfill his obligation to make an independent determination of probable cause.”

Burns v. United States, 235 A.3d 758 (2020)

- ***U.S. v. Winn*, 79 F. Supp.3d 904 (2015)** “The bottom line is that if Detective Lambert wanted to seize every type of data from the cell phone, then it was incumbent upon him to explain in the complaint how and why each type of data was connected to Winn's criminal activity, and he did not do so.”
- ***Buckham v. State*, 185 A.3d 1 (Del.2018)**
- ***Commonwealth v. Broom*, 474 Mass. 486 (2016)** “The affidavit points to no “particularized evidence” suggesting that the contents of the defendant's cellular telephone and specifically the files that police sought to seize or search, including the contact list, address book, voice mail, text, and electronic mail (e-mail) messages”

GOOD

**GET A
WARRANT**



On device versus business records

Electronic Privacy Act (ECPA)

- 18 USC § 2510 – 2523, Title I: Intercept of Live Communications
- 18 USC § 2701 – 2713, Title II: Stored Communications Act
- 18 USC § 3121 – 3127, Title III: Pen Register – Trap & Trace



18 USC § 2701-2713



SUBSCRIBER DATA



TRANSACTIONAL
DATA



CONTENT

18 USC § 2701-2713



SUBSCRIBER DATA

SUBPOENA

18 USC § 2701-2713



SUBSCRIBER DATA

SUBPOENA



TRANSACTIONAL
DATA



CONTENT

18 USC § 2701-2713



TRANSACTIONAL DATA

~~2703(D) ORDER~~

Carpenter v. U.S., 138 S.Ct. 2206 (2018)

- Getting cell-site location information (CSLI) is a search and requires a warrant.
- “Accordingly, when the Government accessed CSLI from the wireless carriers, it invaded Carpenter's reasonable expectation of privacy in the whole of his physical movements.”

18 USC § 2701-2713



SUBSCRIBER DATA

SUBPOENA



TRANSACTIONAL DATA

WARRANT



CONTENT

18 USC § 2701-2713



CONTENT

18 USC § 2701-2713



SUBSCRIBER DATA

SUBPOENA



TRANSACTIONAL DATA

WARRANT



CONTENT

WARRANT

18 USC § 2705

- Non-disclosure order for up to 90 days
- May be renewed
- Application and order must specify reasons for delay



18 USC § 2703

- Letter from law enforcement officer preserves data for 90 days
- One extension
- Submit legal process (include non-disclosure)



Overbroad warrants

- ***U.S. v. Shipp, 392 F.Supp.3d 300 (2019)*** – Facebook records – 21,000 pages.
- ***U.S. v. Irving, 347 F.Supp.3d 615 (2018)*** – Facebook records – should have been limited to the crime being investigated
- ***U.S. v. Chaves, 423 F.Supp.3d 194 (2019)*** – Facebook records – could have been limited in time, data, users requested

GOOD

**GET A
WARRANT**

Search and Seizure

- “For the Fourth Amendment protects people, not places. What a person knowingly exposes to the public, even in his own home or office, is not a subject of Fourth Amendment protection...But what he seeks to preserve as private, even in an area accessible to the public, may be constitutionally protected.
- *Katz v. U.S.*, 389 U.S. 347 (1967) (citations omitted).



[Introduction](#)[Information Google collects](#)[Why Google collects data](#)[Your privacy controls](#)[Sharing your information](#)[Keeping your information secure](#)[Exporting & deleting your information](#)[Retaining your information](#)[Compliance & cooperation with](#)

SHARING YOUR INFORMATION

When you share your information

Many of our services let you share information with other people, and you have control over how you share. For example, you can share videos on YouTube publicly or you can decide to keep your videos private. Remember, when you share information publicly, your content may become accessible through search engines, including Google Search.

When you're signed in and interact with some Google services, like leaving comments on a YouTube video or reviewing an app in Play, your name and photo appear next to your activity. We may also display this information in [ads depending on your Shared endorsements setting](#).

facebook

Sign Up

Email or phone

Password

Log In

[Forgot account?](#)

The California Consumer Privacy Act is effective as of January 1, 2020. California residents can learn more about their privacy rights [here](#).



What kinds of information do we collect?



How do we use this information?



How is this information shared?



How do the Facebook Companies work together?



How can I manage or delete information about me?



How do we respond to legal requests or prevent harm?



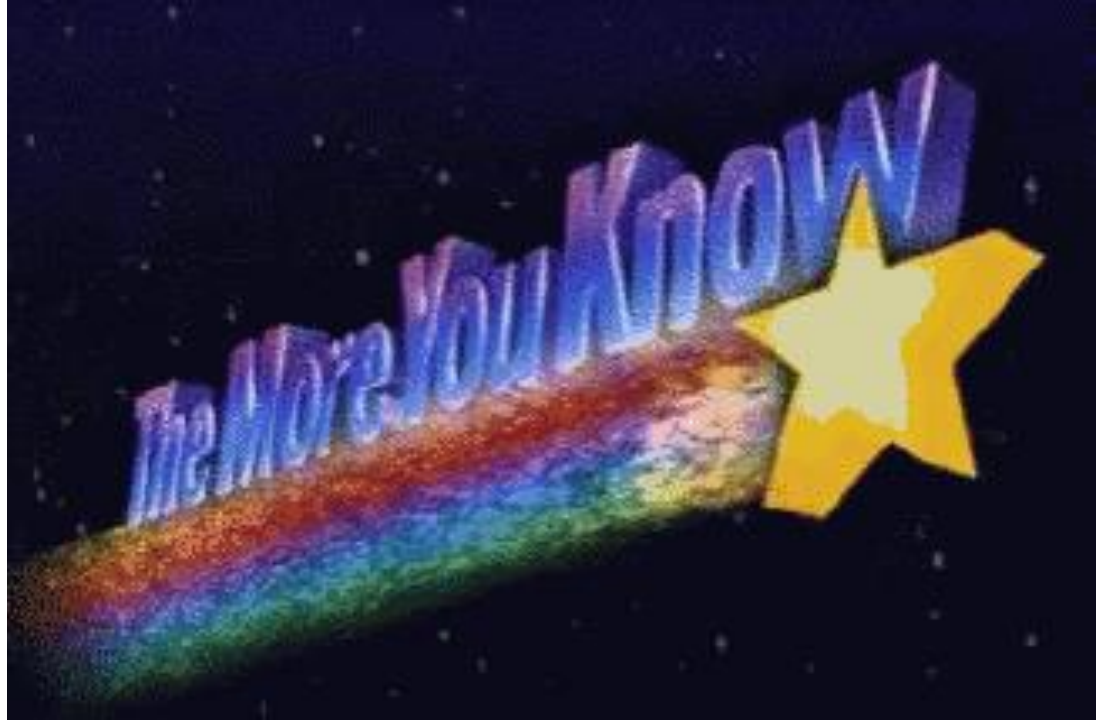
How do we operate and transfer data as part of our global services?

The Facebook company is now Meta. While our company name is changing, we are continuing to offer the same products, including the Facebook app from Meta. Our Data Policy and Terms of Service remain in effect, and this name change does not affect how we use or share data. [Learn more about Meta](#) and our vision for the metaverse.

Data Policy

This policy describes the information we process to support Facebook, Instagram, Messenger and other products and features offered by Facebook ([Facebook Products](#) or Products). You can find additional tools and information in the [Facebook Settings](#) and [Instagram Settings](#).

-
- Consider adding screenshots to warrants



United States v. Chatrie, 107 F.4th 319 (Fourth Circuit)

- Three step geolocation warrant
 - Anonymized location history 30 minutes before to 30 minutes after robbery (19 hits)
 - Narrowed down list and got anonymized location history from 60 minutes before to 60 minutes after robbery – not tied to geofence (9 accounts)
 - Narrowed down list and got user names and identity information for those left on the list (3 accounts)



United States v. Chatrie, 107 F.4th 319 (Fourth Circuit)

- Not a search
- Limited to two hours – not “all-encompassing record” of whereabouts
- Had to opt in to Google location history
- No reasonable expectation of privacy



United States v. Smith, 2024 WL 3738050 (Fifth Circuit)

-
- “We hold that geofence warrants are modern-day general warrants and are unconstitutional under the Fourth Amendment. ”



When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

Does Carpenter apply to IP addresses/ISP subscriber information?

Yes

No

Does Carpenter apply to?

- IP address logs/ISP subscriber information? No – U.S. v. Trader, 981 F.3d 961 (11th Cir.2020); State v. Mixton, 250 Ariz. 282 (2021).
- Mixton: “In sum, Carpenter expressly preserves existing applications...and its logic does not extend its exception to the third-party doctrine for CSLI information to IP addresses and ISP subscriber information. Such information does not implicate the privacy interests embodied in the de facto omnipresent surveillance generated by “detailed, encyclopedic” CSLI information.”

🌐 When poll is active, respond at **pollev.com/lauragirard427**

📱 Text **LAURAGIRARD427** to **37607** once to join

Does Carpenter apply to pole cameras?

Yes

No

Does Carpenter apply to?

- Pole camera? Yes. *People v. Tafoya*, 494 P.3d 613 (Co.2021)
- “Here, the pole camera surreptitiously recorded the curtilage of Tafoya's property all day, every day for over three months. The police indefinitely stored the footage gathered by the camera and could review it at any later date. The camera could pan left and right, tilt up and down, and zoom in and out while viewing the footage live. In fact, police used these features on both June 25 and August 24 to observe Tafoya and Sanchez's actions. We find the extended duration and continuity of the surveillance here to be constitutionally significant.”

When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

Does Carpenter apply to geolocation?

Yes

No

Carpenter v. U.S., 138 S.Ct. 2206 (2018)

- “tracks nearly exactly the movements of its owner.”
- “retrospective quality of the data here gives police access to a category of information otherwise unknowable.”
- “this newfound tracking capacity runs against everyone.”
- “Whoever the suspect turns out to be, he has effectively been tailed every moment of every day for five years...”

Carpenter v. U.S., 138 S.Ct. 2206 (2018)

- Read 497 F.Supp.3d 345 (granting geofence warrant)
- Read 542 F.Supp.3d 1153 (denying geofence warrant)



Snap Inc. Law Enforcement Guide

Last Updated: September 29, 2020

Download the most recent version at <https://www.snapchat.com/lawenforcement>

Contact Information for Law Enforcement

Sending Legal Process and Related Inquiries

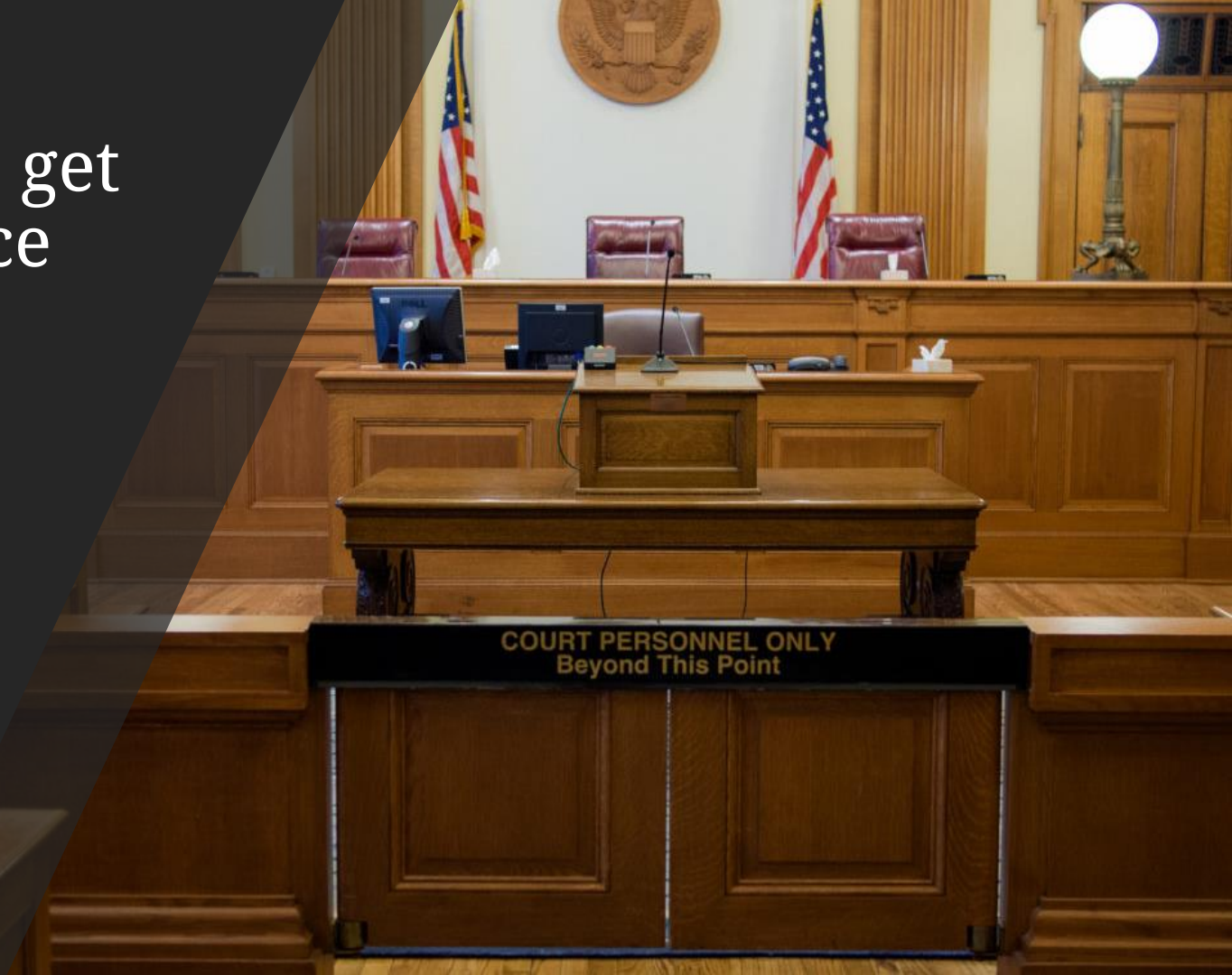
U.S. law enforcement and governmental agencies should submit legal process (including preservation requests) to Snap Inc. ("Snap") via Snap's Law Enforcement Service Site: less.snapchat.com.



The Digital DA

- digital-da+subscribe@groups.io

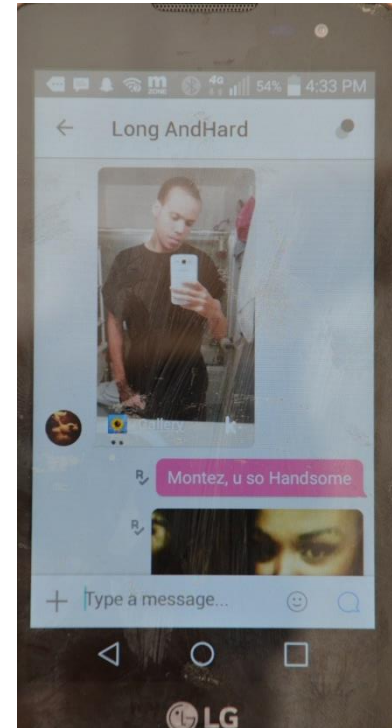
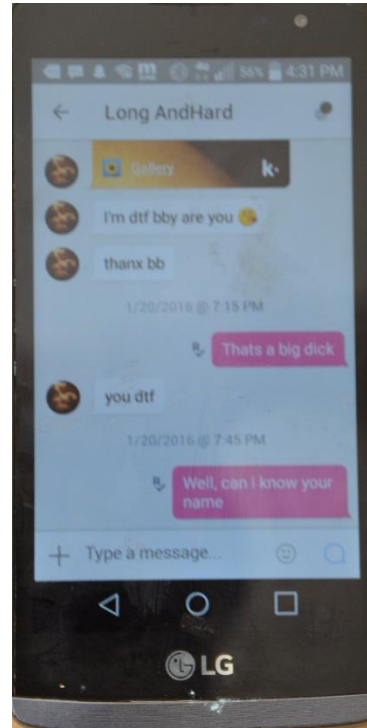
How do we get
the evidence
admitted?



Federal Rules of Evidence, Rule 901

- **(b) Examples.** The following are examples only--not a complete list--of evidence that satisfies the requirement:
- **(1) Testimony of a Witness with Knowledge.** Testimony that an item is what it is claimed to be.
- **(9) Evidence About a Process or System.** Evidence describing a process or system and showing that it produces an accurate result.





ROBERT H HUBER DBA
GELATIN CAPSULE TECHNOLOGY

1537

70-2100/715-
142

Pay to the
Order of

02/03/2016
Montez Lavell Wright III
Thirty Six Thousand Five Hundred and 35/100 \$ *36,579.35*
36 Dollars

 PNC BANK

PNC Bank, N.A. 071

For *Full Payment - Ref - Wholesaler - Guthrie Co.* *Robert H. Huber*

1537

Search Term	URL	Date/Time - (UTC) (MM/dd/yyyy)
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks	02/04/2016 12:36:40 AM
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks&start=10	02/04/2016 12:37:01 AM
how to send a fake check using checking account	https://www.google.com/?gws_rd=ssl#q=how+to+send+a+fake+check+using+checking+account	02/04/2016 12:46:30 AM
accounts that take checking account numbers	https://www.google.com/?gws_rd=ssl#q=accounts+that+take+checking+account+numbers	02/04/2016 12:47:58 AM
wire transfer to bank account	https://www.google.com/afs/ads?q=wire%20transfer%20to%20bank%20account&oe=utf-8&ie=utf-8&lo=false&adpage=1&adrep=4&po=false&r=m&fexp=21404&client=aj-dictionary-106&channel=12025%2Cchan_web%2CCorig_semQuery%2Cud_desktop%2CTEST_69%2Cask-non-dla&adtest=off&adsafe=medium&type=0&format=p4%7Cn5&ad=n5p4&nocache=2621454548343391&num=0&output=uds_ads_only&v=3&adlh=on&adext=as1%2Csr1&bsl=10&u_his=7&u_tz=-360&dt=1454548343400&u_w=1366&u_h=768&biw=1354&bih=651&psw=1354&psh=1730&frm=0&uio=uv3cs1sr1lo0po0va1hCs1cc0-lHaf3st15sd13sv13sa13lt18ld16lv16da1-lhaf3st15sd13sv13sa13lt18ld16lv16da1&rurl=http%3A%2F%2Fwww.ask.com%2Fweb%3Fam%3Dbroad%26q%3Dwire%2Btransfer%2Bto%2Bbank%2Baccount%26an%3Dmsn_s%26askid%3Dc7337beb-7027-4258-8053-929445a36df6-0-us_msb%26kv%3Ddefault%26gc%3D0%26dqi%3D%26qsrc%3D999%26ad%3DsemD%26o%3D12025%26l%3Ddir%26af%3D&referer=https%3A%2F%2Fwww.bing.com%2F	02/04/2016 01:12:23 AM

Federal Rules of Evidence, Rule 901

- **(b) Examples.** The following are examples only--not a complete list--of evidence that satisfies the requirement:
- **(1) Testimony of a Witness with Knowledge.** Testimony that an item is what it is claimed to be.
- **(9) Evidence About a Process or System.** Evidence describing a process or system and showing that it produces an accurate result.



Child rape case sparks debate on child witnesses in criminal courts

28 May 2010 by Rosalind English

The recent Old Bailey case involving two boys aged 10 and 11 accused of rape on an eight year girl has reignited the long running debate over the treatment of child witnesses in the adversarial courts system.


In a Daily Telegraph article John Bingham and Caroline Gammell report that

More than 1,000 children under the age of 10 are called to give evidence in courts in England and Wales every year. Almost two thirds are themselves the victims of crime, asked to relive a traumatic experience, often as much as a year after the event. Although special measures are in place to make the ordeal of



Federal Rules of Evidence, Rule 902


- The following items of evidence are self-authenticating; they require no extrinsic evidence of authenticity in order to be admitted



Documents

Federal Rules of Evidence, Rule 902

- **(11) Certified Domestic Records of a Regularly Conducted Activity.** The original or a copy of a domestic record that meets the requirements of Rule 803(6)(A)-(C), as shown by a certification of the custodian or another qualified person that complies with a federal statute or a rule prescribed by the Supreme Court. Before the trial or hearing, the proponent must give an adverse party reasonable written notice of the intent to offer the record--and must make the record and certification available for inspection--so that the party has a fair opportunity to challenge them.



Documents

Federal Rules of Evidence, Rule 902


- **(13) Certified Records Generated by an Electronic Process or System.** A record generated by an electronic process or system that produces an accurate result, as shown by a certification of a qualified person that complies with the certification requirements of Rule 902(11) or (12). The proponent must also meet the notice requirements of Rule 902(11).



Documents

Federal Rules of Evidence, Rule 803

- **(6) Records of a Regularly Conducted Activity.** A record of an act, event, condition, opinion, or diagnosis if:
- **(A)** the record was made at or near the time by--or from information transmitted by--someone with knowledge;
- **(B)** the record was kept in the course of a regularly conducted activity of a business, organization, occupation, or calling, whether or not for profit;
- **(C)** making the record was a regular practice of that activity;



Documents

CERTIFICATION
RULE 902(11) OF
RULES OF E

I, Preston Charlton, am the C
for QuikTrip Corporation

I hereby certify under penalty of perjury that
regarding the records relating to QuikTrip
02/08/16 between the hours of 0800 and 1
Dysart Road in Avondale, Arizona. Provided
Surprise Police Department on in March of

- (A) Were made at or near the time of the occurrence of the matters set forth
by or from information transmitted
matters;
(B) Were kept in the course of the regularly conducted activity; and
(C) Were made by the regularly conducted activity as a regular practice.

☐ Were scanned to disc in lieu of providing hard copies

Preston Charlton
Signature
Custodian of Records

Certification Executed on the 29th day of

Subscribed to and sworn before me this 29th

Samantha Smart
Signature
NOTARY PUBLIC

** The original, signed copy of this certification is to be retained by the certifier. Please

PLEASE DO NOT STAPLE THE
PROVIDING HARD

I hereby certify under penalty of perjury that the following is true and correct
regarding the records relating to QuikTrip video surveillance footage on
02/08/16 between the hours of 0800 and 1000, at the QT location of 550 N
Dysart Road in Avondale, Arizona. Provided to Detective Kulfan of the
Surprise Police Department on in March of 2016.

- (A) Were made at or near the time of the occurrence of the matters set forth
by or from information transmitted by, a person with knowledge of those
matters;
(B) Were kept in the course of the regularly conducted activity; and
(C) Were made by the regularly conducted activity as a regular practice.

☐ Were scanned to disc in lieu of providing hard copies

Preston Charlton
Signature
Custodian of Records



Jason Kalish
Deputy County Attorney
Bar ID #: 018429
301 West Jefferson, 8th Floor
Phoenix, AZ 85003
Telephone: (602) 506-1159
mcaoctd@mcao.maricopa.gov
MCAO Firm #: 00032000
Attorney for Plaintiff

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA

THE STATE OF ARIZONA,

Plaintiff,

vs.

Defendant.

STATE'S NOTICE OF INTENT TO
OFFER CERTIFICATION PURSUANT TO
RULE 902(11), ARIZONA RULES OF
EVIDENCE

(Assigned to the Honorable Erin O Otis,
Div. CRJ04)

The State of Arizona hereby gives notice pursuant to Rule 902(11), Arizona Rules of Evidence, to the Defendant that the State intends to use the below listed certified records pursuant to Rule 902(11), Arizona Rules of Evidence, in lieu of calling a Custodian of Records. The State avows that it has previously disclosed these documents, and that the originals are available for inspection.

Description	Surprise Police Department Evidence Number	Bates Number
<u>Ruth Schwed's Wells Fargo Account</u> <u>Paperwork</u>	205	914-927
<u>Barbara Leslie's Chase Account</u> <u>Paperwork</u>	206	726-756
<u>Tichina Shepard's Stripe Account</u> <u>Paperwork</u>	210	569-582 10578-10579 (certification)
<u>Tichina Shepard's Bank of America</u> <u>Paperwork</u>	211	757-775

Submitted September 5, 2018.

WILLIAM G MONTGOMERY
MARICOPA COUNTY ATTORNEY

BY: 
/s/ Jason Kalish
Deputy County Attorney

Copy mailed/delivered September 5, 2018, to:

The Honorable Erin O Otis
Judge of the Superior Court

Explaining to the jury



FBI CELLULAR ANALYSIS SURVEY TEAM



SA Geoffrey Young

FBI Phoenix Division

Date of Report: 12/13/2016

Telephone Numbers Analyzed:

T-Mobile 734-620-5880 (Montes Wright III)

Sprint 248-722-6520 (Tichina Wright)

Historical Cell Site Analysis



1. Background

The Federal Bureau of Investigation (FBI) Cellular Analysis Survey Team (CAST) was requested to analyze cell phone records for 734-620-5880 and 248-722-6520 ("questioned cell phones") to determine their location in relation to a homicide.

2. Methodology

An analysis was performed on the call detail records obtained for the questioned cell phones. The call detail records showed calls made to and from the cell phones. Additionally, the records showed the cell tower and cell sector ("cell site") serving the cell phones during those calls, and allowed the general location of the questioned cell phones to be determined.

2.1 Cell Site Locations

In order to map the cell sites associated with the questioned cell phones, the call detail records and cell site locations were imported into a Google based mapping program.

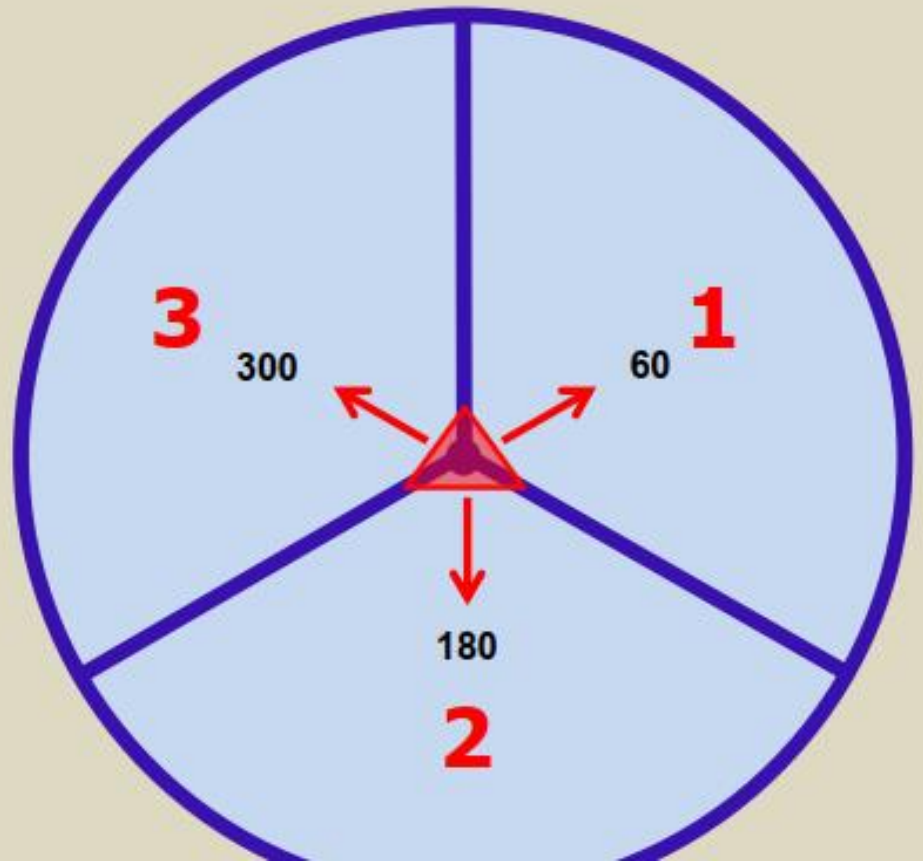
3. Conclusions

An historical cell site analysis was performed on the call detail records for the questioned cell phones. The methods detailed in Sections 2 and 2.1 were used to produce the following historical

Sector Orientations



EXAMPLE ONLY
EACH CELL SITE ORIENTATION CAN VARY





Other considerations for trial





Always consider

You're only proving that the
phone was somewhere



When poll is active, respond at pollev.com/lauragirard427

Text **LAURAGIRARD427** to **37607** once to join

Does the "not my pants" defense exist in your jurisdiction?

Yes

No

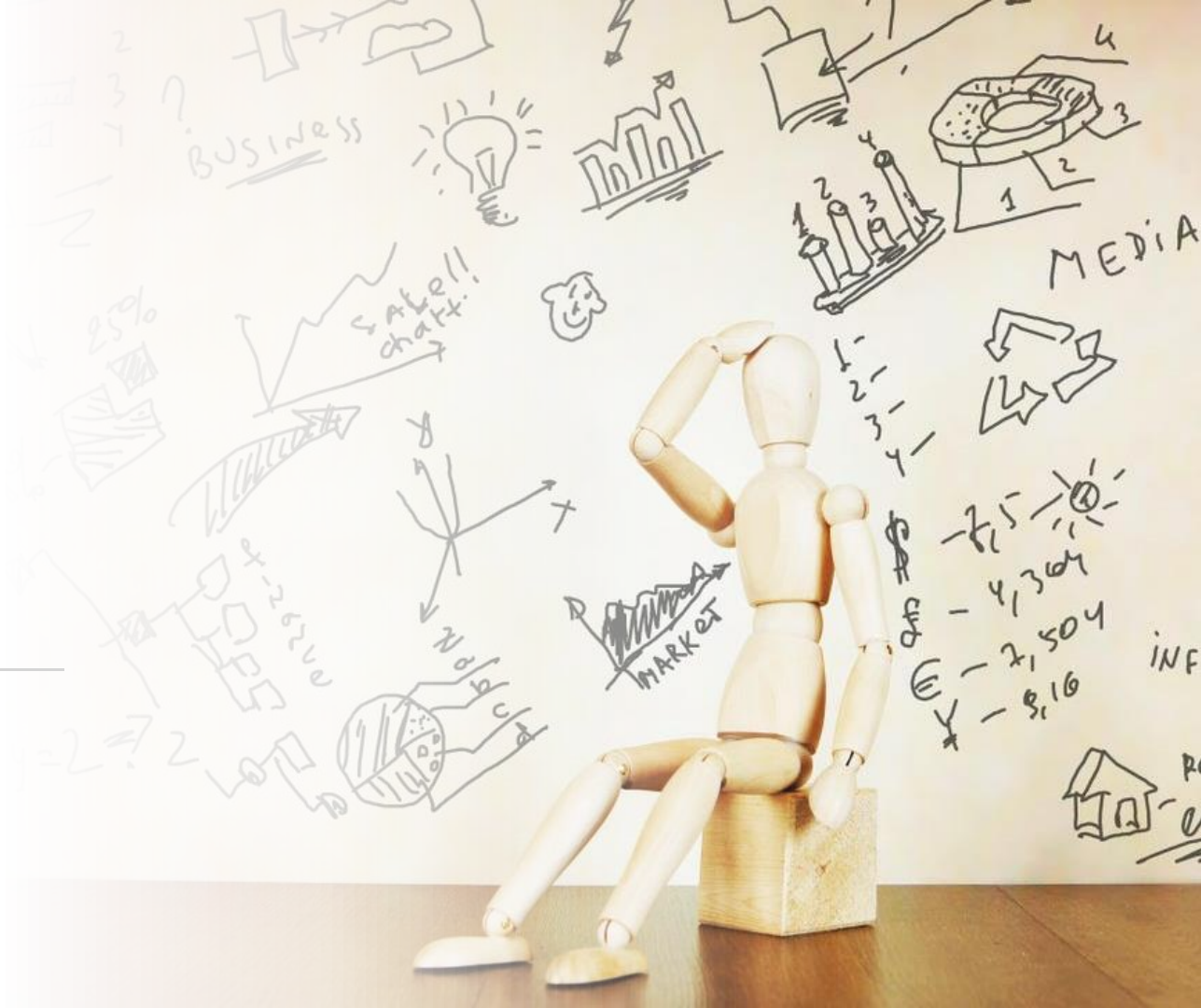


Always consider

The digital “not my pants”
defense

The sheer amount of information you have

The sheer amount of information you have

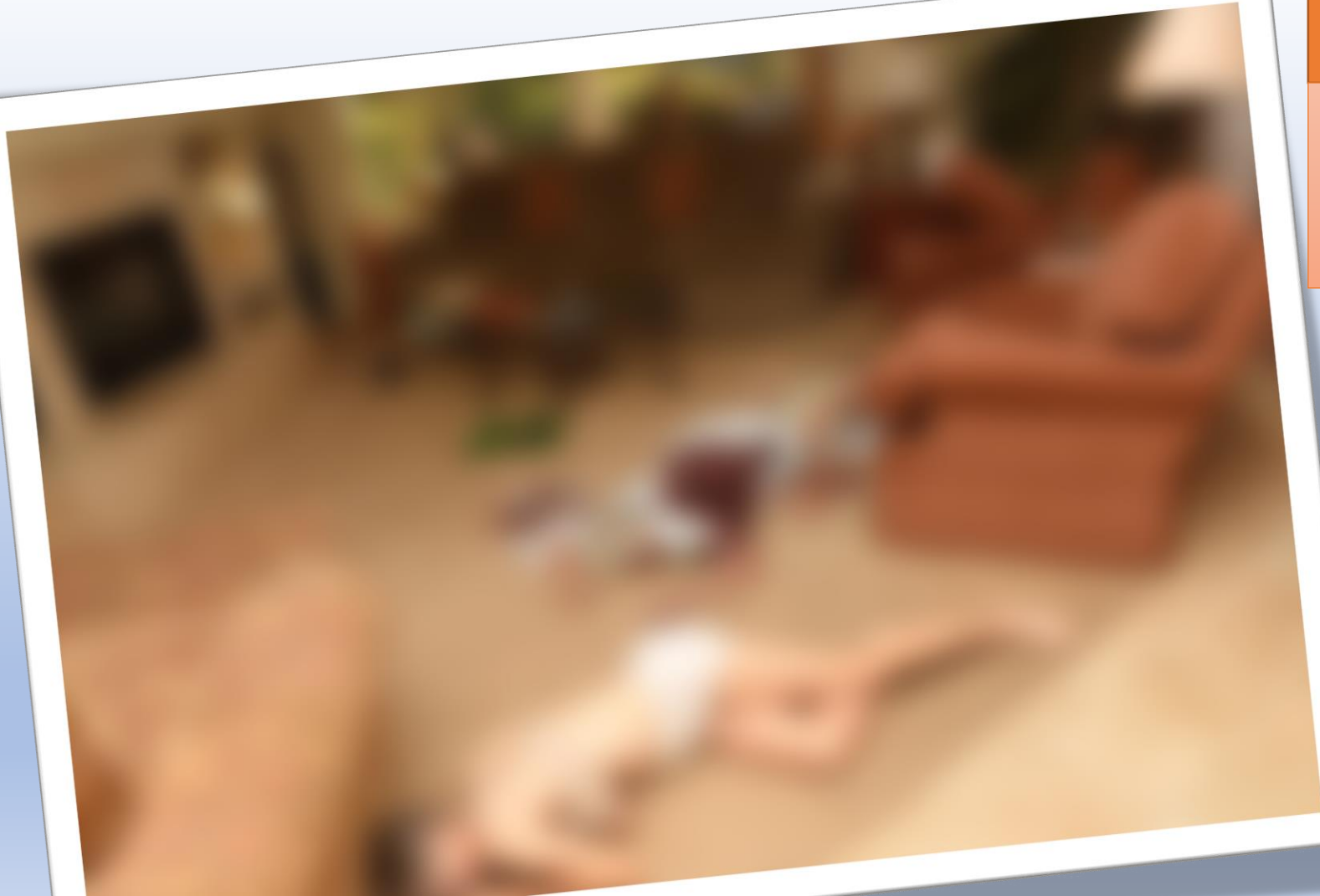


February

2016

Monday

8



February

2016

Monday

8



State v. Wright/Shepard

My phone rears its
ugly head.

2

3

4

more ahead of



6

[illegible]

7

Phone Number - 2487226520

8

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

238


10

Country	Year	Population (millions)	GDP (billions of USD)	Life expectancy (years)	Healthcare expenditure (USD per capita)	Healthcare expenditure (% of GDP)	Healthcare expenditure (% of total expenditure)	Healthcare expenditure (% of total expenditure)
USA	2010	310.2	14.9	78.4	2,040	1.36%	1.36%	1.36%
USA	2011	312.1	15.2	78.6	2,060	1.37%	1.37%	1.37%
USA	2012	314.0	15.5	78.8	2,080	1.38%	1.38%	1.38%
USA	2013	315.9	15.8	79.0	2,100	1.39%	1.39%	1.39%
USA	2014	317.8	16.1	79.2	2,120	1.40%	1.40%	1.40%
USA	2015	319.7	16.4	79.4	2,140	1.41%	1.41%	1.41%
USA	2016	321.6	16.7	79.6	2,160	1.42%	1.42%	1.42%
USA	2017	323.5	17.0	79.8	2,180	1.43%	1.43%	1.43%
USA	2018	325.4	17.3	80.0	2,200	1.44%	1.44%	1.44%
USA	2019	327.3	17.6	80.2	2,220	1.45%	1.45%	1.45%
USA	2020	329.2	17.9	80.4	2,240	1.46%	1.46%	1.46%

11

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	
Montez Wright #1	248-309-0801	Pawn Ticket

Pledgor's Name & Address MONTEZ LAVELL WRIGHT 333 E VANBUREN APT 165 AVONDALE AZ 85323 (248) 309-0801		Original Loan No. LT-S09038717 						
Identification Type & No. MICHIGAN ID W623609488500		D.O.B. 6/26/1992	Eyes BRN	Race BLK	Hair BRN	Height 6'1"	Weight 150 lbs.	Sex M
You are giving a Security Interest in the following pledged goods: HEDGE TRIMMER: ECHO MODEL HC-235, SERIAL NUMBER S72312017257, GAS OPERATED TRIMMER		MATURITY DATE 4/28/2016						

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	Certified Cell Phone Records
Montez Wright #1	248-309-0801	Pawn Ticket

Billing Account Number (BAN): 289394271
 Account Establish Date: 12/24/2015
 Account Expiration (Cancel) Date: 4/12/2016

Account Billing Address(es):
 Effective: 12/24/2015

BINA WRIGHT
 25512 SHIAWASSEE RD
 SOUTHFIELD, MI 48033

Account Contact Numbers:
 Phone: 0000000000 Active Date: 4/12/2016

***** SUBSCRIBER DETAILS *****

SubscriberID: 82762275121
 Personal Telephone Number (PTN / MDN)
 2487226520 Status Date: 4/12/2016 8:07:23 PM Status: C
 2487226520 Status Date: 2/11/2016 10:54:32 AM Status: S
 2487226520 Status Date: 12/24/2015 1:50:56 PM Status: A

Bank of America 

P.O. Box 15284
 Wilmington, DE 19850

TICHINA P SHEPHARD
 25512 SHIAWASSEE APT 127
 SOUTH FIELD, MI 48223

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	Certified Cell Phone Records
Montez Wright #1	248-309-0801	Pawn Ticket

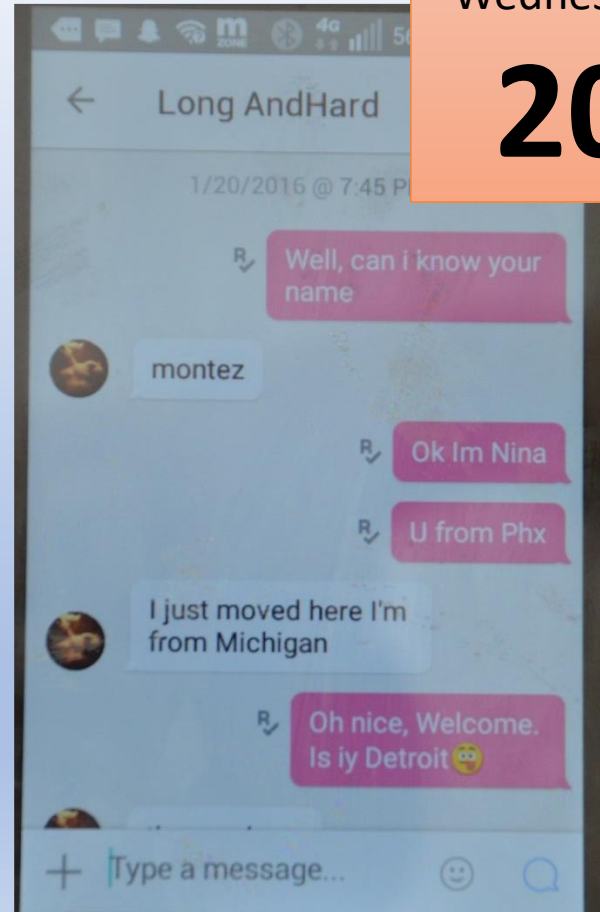
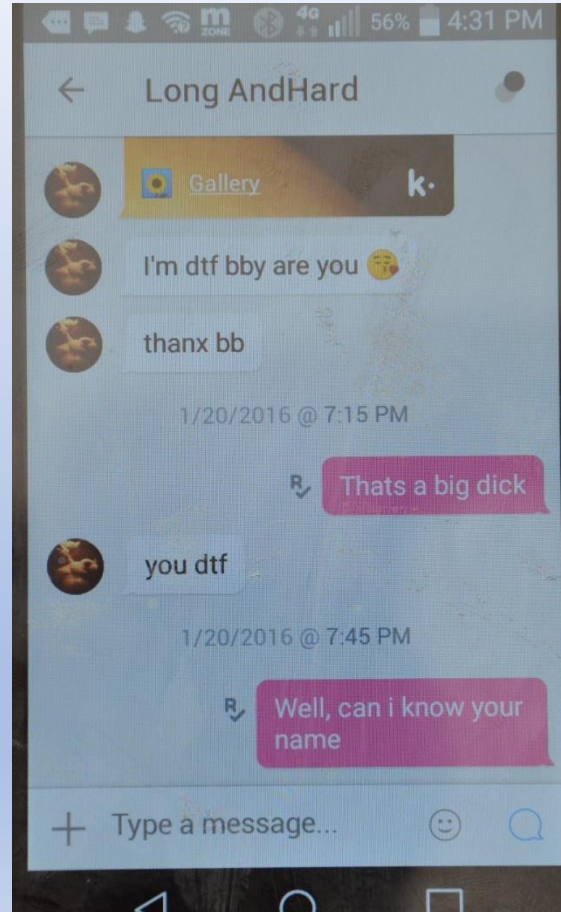
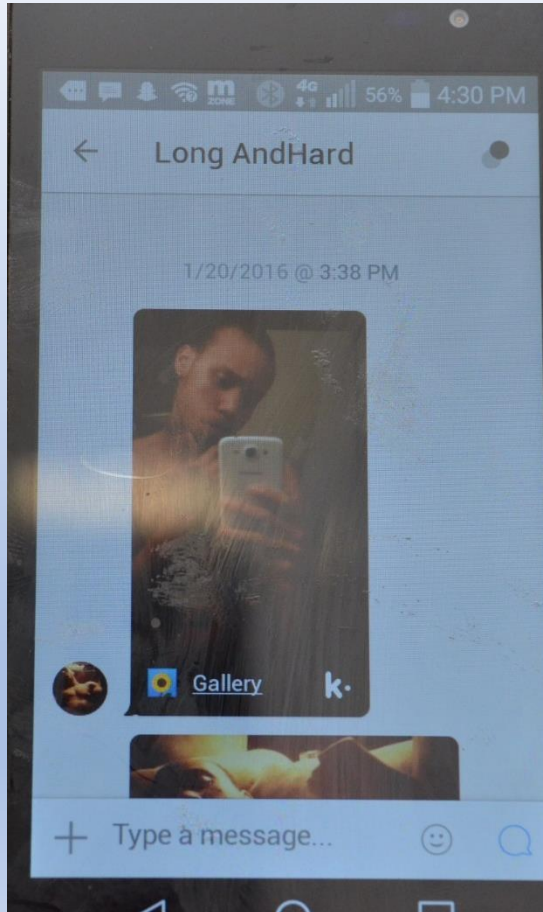
Between 12/26/15 and 1/30/16 there are 460 calls or texts between those two numbers

After 1/30/16 there is only one – a text from Tichina on 2/5.

January
2016

Wednesday

20

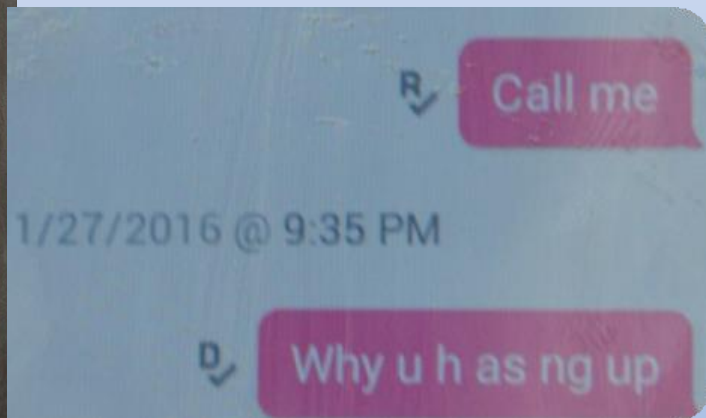
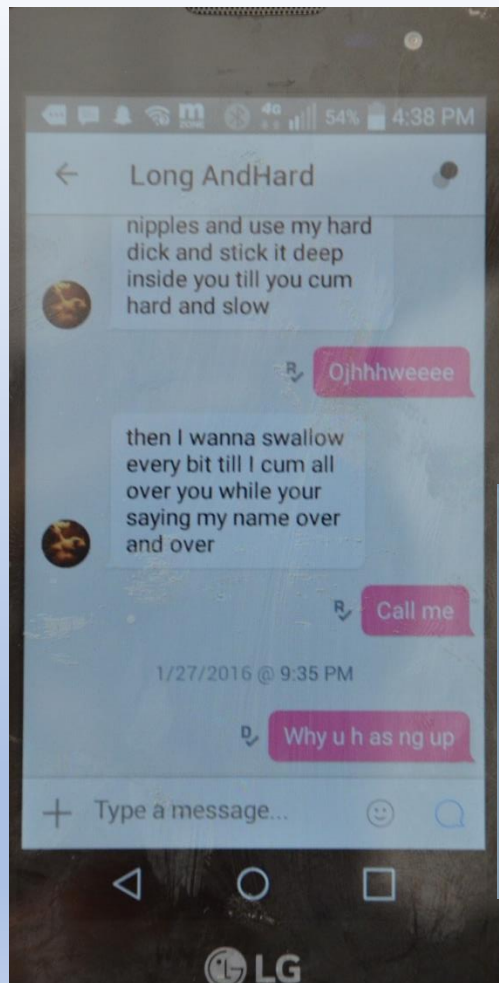
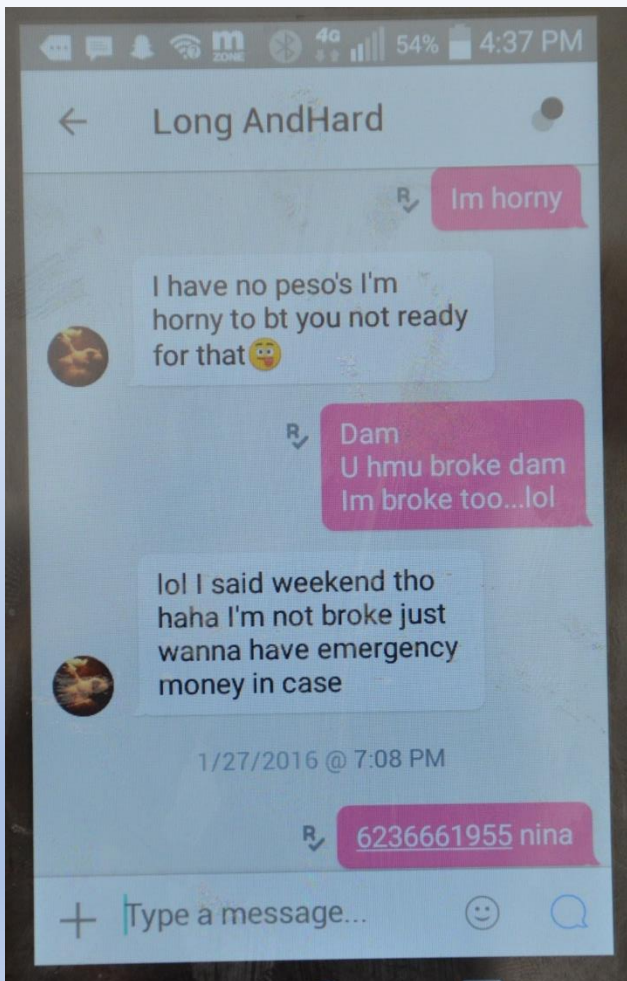


January

2016

Wednesday

27

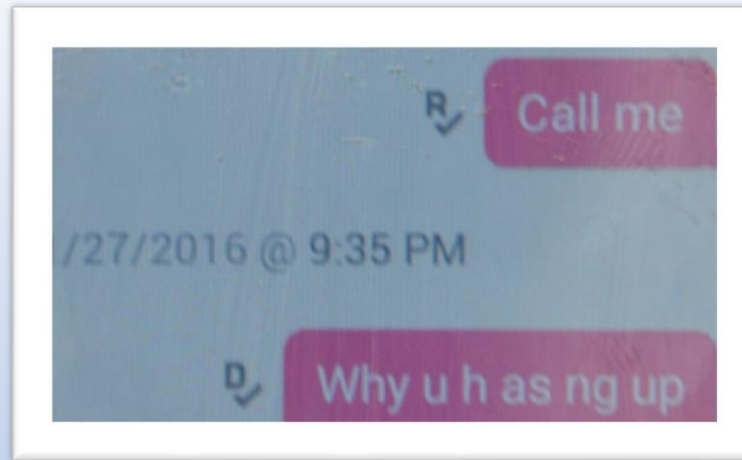
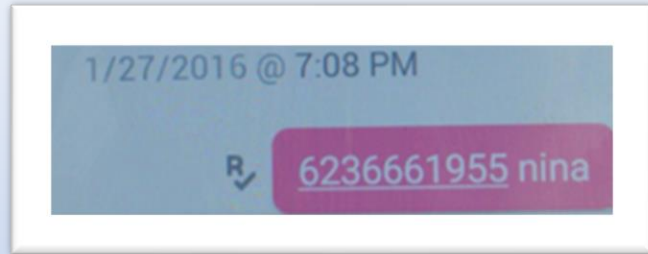


January

2016

Wednesday

27



This is in response to your Search Warrant , SW2016-002928 dated Feb 11,2016 which was served upon T-Mobile US, Inc. You have requested Information for the subscriber associated with MSISDN: 7346205880. All times below are reflected in Coordinated Universal Time (UTC).

Date	Time	Duration	Call Type	Direction	Calling Number	Dialed Number	Called Number	Destination Number	IMSI
1/28/2016	02:21:37	458	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955	310260726523333
1/28/2016	03:39:39	1070	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955	310260726523333

Date	Arizona Time	Duration	Call Type	Direction	Calling Number	Dialed Number	Called Number	Destination Number
1/27/2016	19:21:37	458	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955
1/27/2016	20:39:39	1070	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	Certified Cell Phone Records
Montez Wright #1	248-309-0801	Pawn Ticket
Montez Wright #2	734-620-5880	KIK messages

Between 1/27/16 and 2/8/16 there are 28 calls or texts between Shephard and Wright's second phone

February

2016

Sunday

7

Account 1 – brownmia14@yahoo.com

1. Account Name – brownmia14@yahoo.com
2. Date Account Submitted – 02/07/2016
3. Location of Account Creation – 66.87.70.210 (Phoenix, Arizona, United States)
4. Account Status – This account as rejected on 2/08/2016
5. Legal Business Name (if given) – LUSCIOUSLOCZ
6. DBA (if given) – LUSCIOUSLOCZ
7. URL – <http://lusciouslocz.bigcartel.com>
8. Product Description – “Virgin hair”
9. Volume / # of Charges - \$26,295 / 5
10. Email Address – brownmia14@yahoo.com
11. Phone Number - 2487226520
12. Company Representative / DOB – Tichina Shepard / 10/07/1992
13. Physical Address – 123 Creekside Court, GA, AZ, 30223, US
14. Bank Account(s) –

Name of Bank/Financial Institution	Routing Number	Account Number
Bank of America, N.A.	122101706	457034148853
Zeal Credit Union	272477694	40001899364

	A	B	C	D	E	F	
1	Date	Start	End	Event	Source	Exhibit #	Notes
2	1/29/2016	16:34		Pawn	Pawn ticket	104	
3	2/3/2016	17:30		Ways to erase ink on check	Computer search	133	Yahoo search
4	2/3/2016	17:36		how to remove ink for checks	Computer search	133	Google search
5	2/3/2016	17:37		how to remove ink for checks	Computer search	133	Google search
6	2/3/2016	17:46		how to send a fake check using check	Computer search	133	Google search
7	2/3/2016	17:47		accounts that take checking account	Computer search	133	Google search
8	2/3/2016	18:12		wire transfer to bank account	Computer search	133	Google search
9	2/3/2016	18:12		wire transfer to bank account	Computer search	133	Google search
10	2/3/2016	18:39		Craigslist search	Computer search	133	Google search
11	2/4/2016	0:01		Craigslist search	Computer search	133	Google search
12	2/4/2016	11:34	11:39	Wright's phone near apartment	CDR	101	Tower 21023
13	2/4/2016	11:48	12:02	Check cashing	Credit Union	103	
14	2/4/2016			Wright doesn't go to work	Gothic	116	
15	2/4/2016			Lauro works 7.98 hours	Gothic	116	
16	2/5/2016			Lauro works 7.95 hours	Gothic	116	
17	2/5/2016			Wright works 7.93 hours	Gothic	116	
18	2/6/2016	4:13	4:14	Wright's phone near CAVCO	CDR	101	1300 S. Litchfield Rd
19	2/7/2016	12:35	12:36	Shephard's phone near apartment	CDR	97	Tower 20065
20	2/7/2016	12:36	12:43	Shephard's phone calls ended	CDR	97	From 20065

31	2/7/2016	21:40	21:41	Shephard's phone near apartment	CDR	97	Tower 40065
32	2/8/2016	4:45	4:46	Wright's phone near apartment	CDR	101	Tower 21023
33	2/8/2016	8:08	8:08	Wright's phone near murder	CDR	101	
34	2/8/2016	8:54	8:55	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
35	2/8/2016	8:56	9:18	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
36	2/8/2016	9:46	9:46	Shephard's phone calls Baggett	CDR	97	From near Cavco
37	2/8/2016	9:46	9:50	Shephard's phone calls Baggett	CDR	97	From near Cavco (only call that lasts more than 30 seconds)
38	2/8/2016	9:58	10:02	Stripe access (Sprint)	Stripe records	93	
39	2/8/2016	10:09	10:09	Shephard's phone calls stepdad	CDR	97	From near PIR (exhibit 130)
40	2/8/2016	10:30	10:31	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
41	2/8/2016	10:42	10:47	Stripe access (Sprint)	Stripe records	93	
42	2/8/2016	10:50		Baggett texts Shephard's phone	CDR	97	
43	2/8/2016	10:56	10:56	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
44	2/8/2016	10:56		Baggett texts Shephard's phone	CDR	97	
45	2/8/2016	10:57	10:57	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)

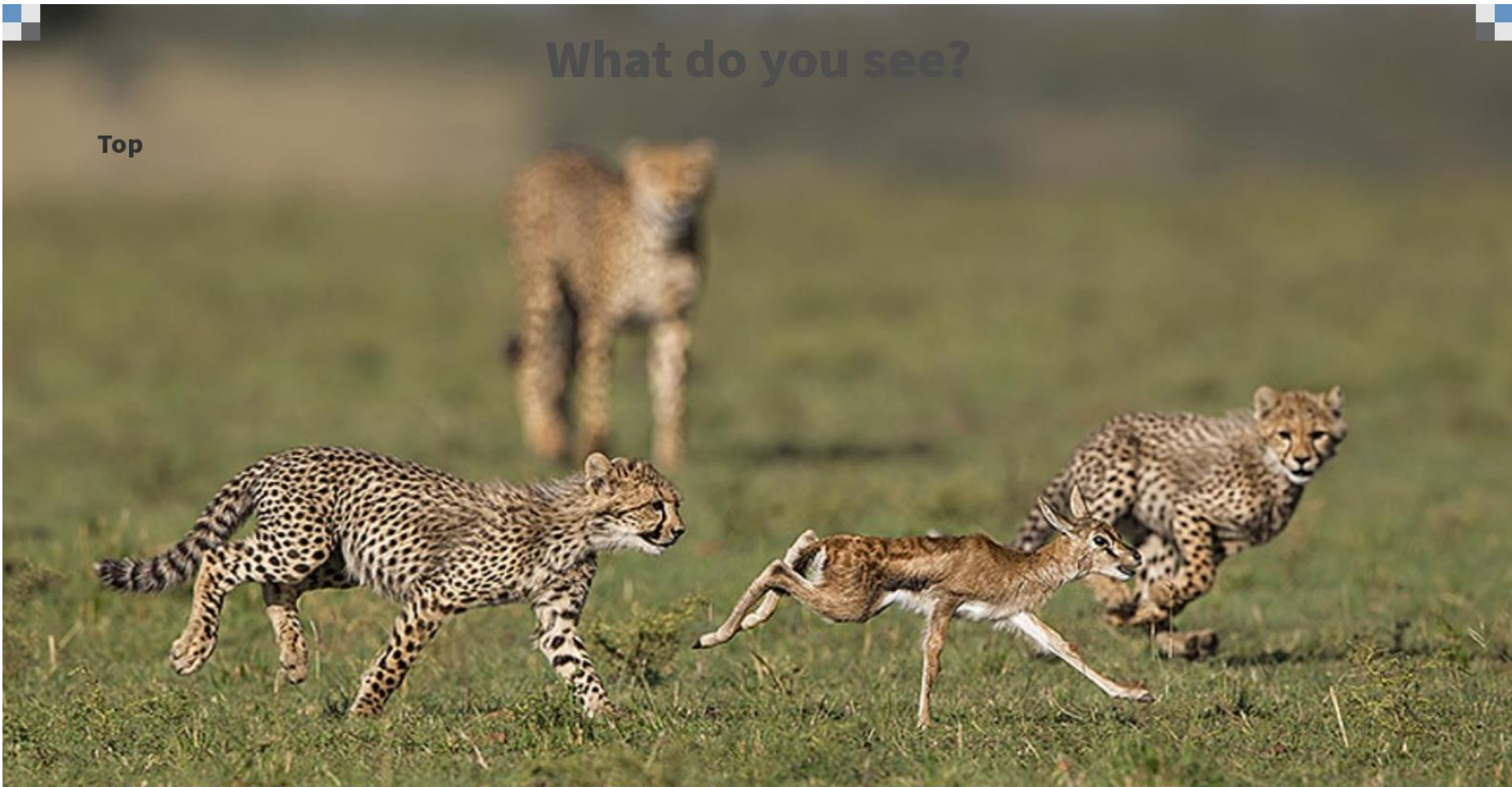
Putting it all together

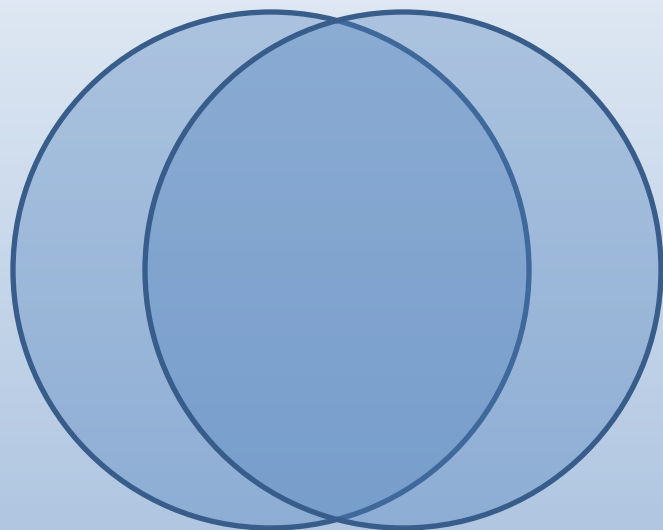
A cheetah is chasing a gazelle in a savanna. The cheetah is in the foreground, running towards the right. The gazelle is running away from the cheetah, also towards the right. In the background, another cheetah is visible, standing and looking towards the camera. The text "What do you see?" is overlaid on the image.

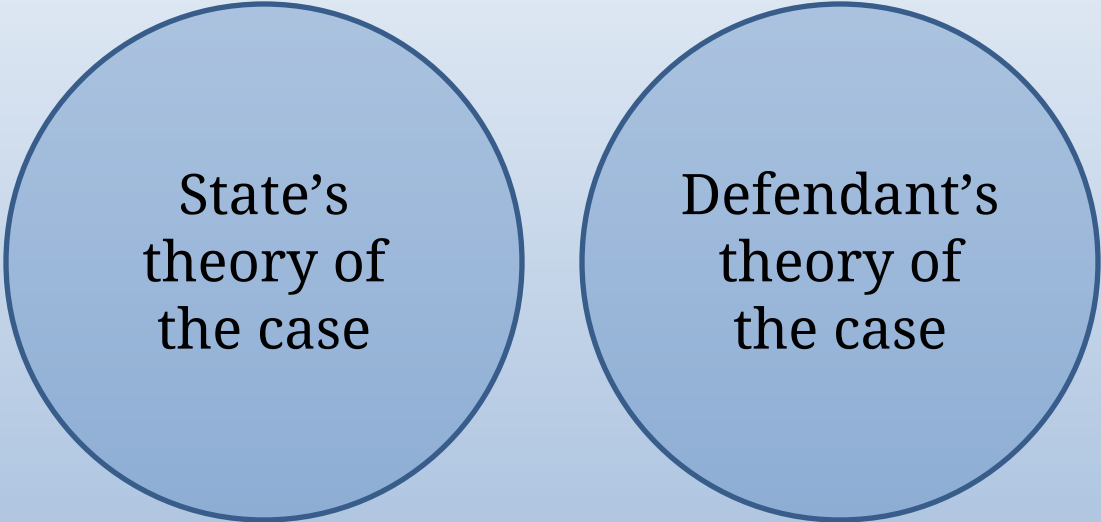
What do you see?

What do you see?

Top

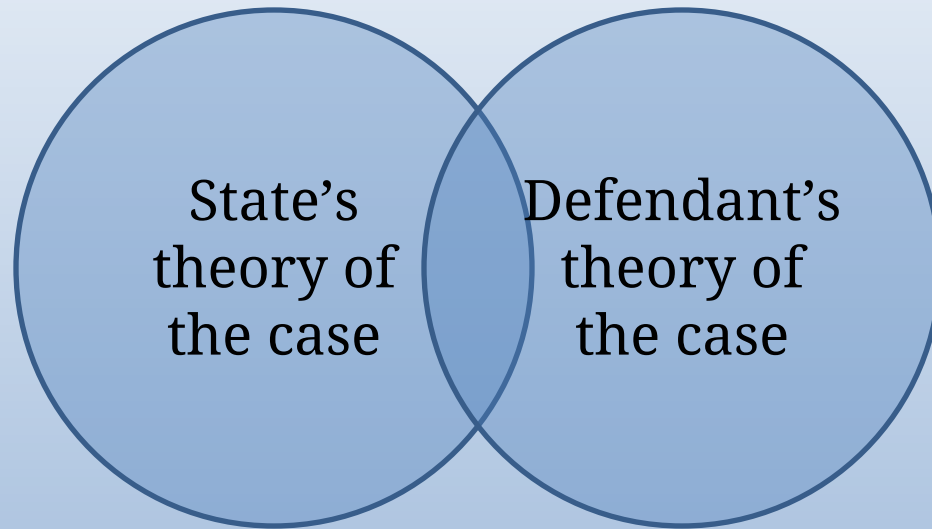


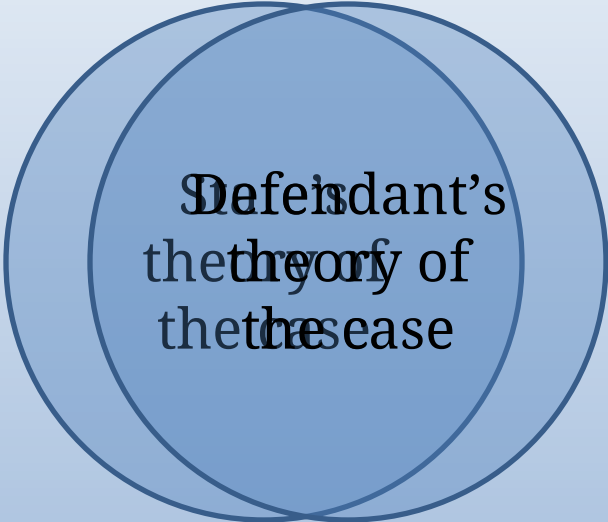




State's
theory of
the case

Defendant's
theory of
the case





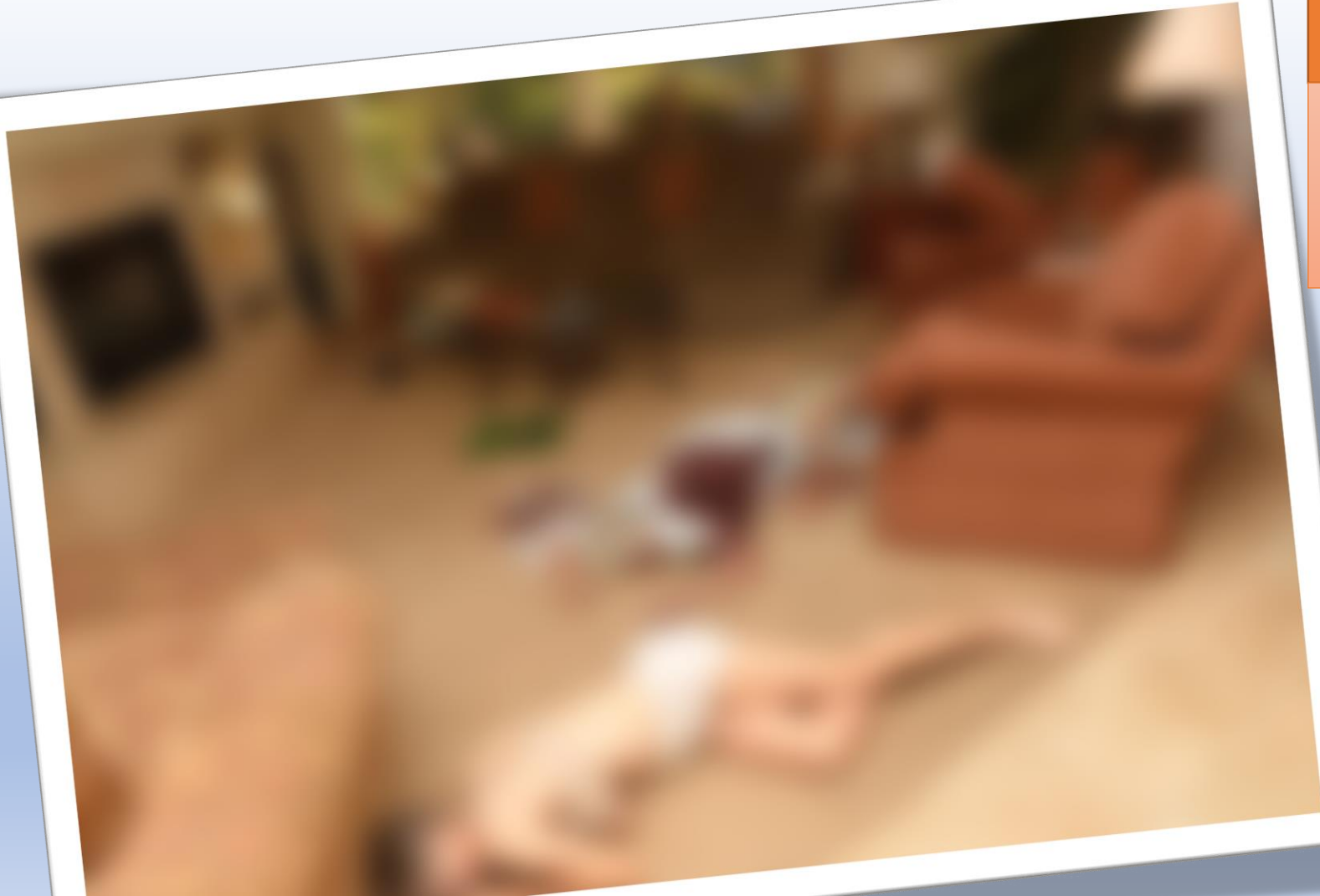
Defendant's
theory of
the case

February

2016

Monday

8



February

2016

Monday

8

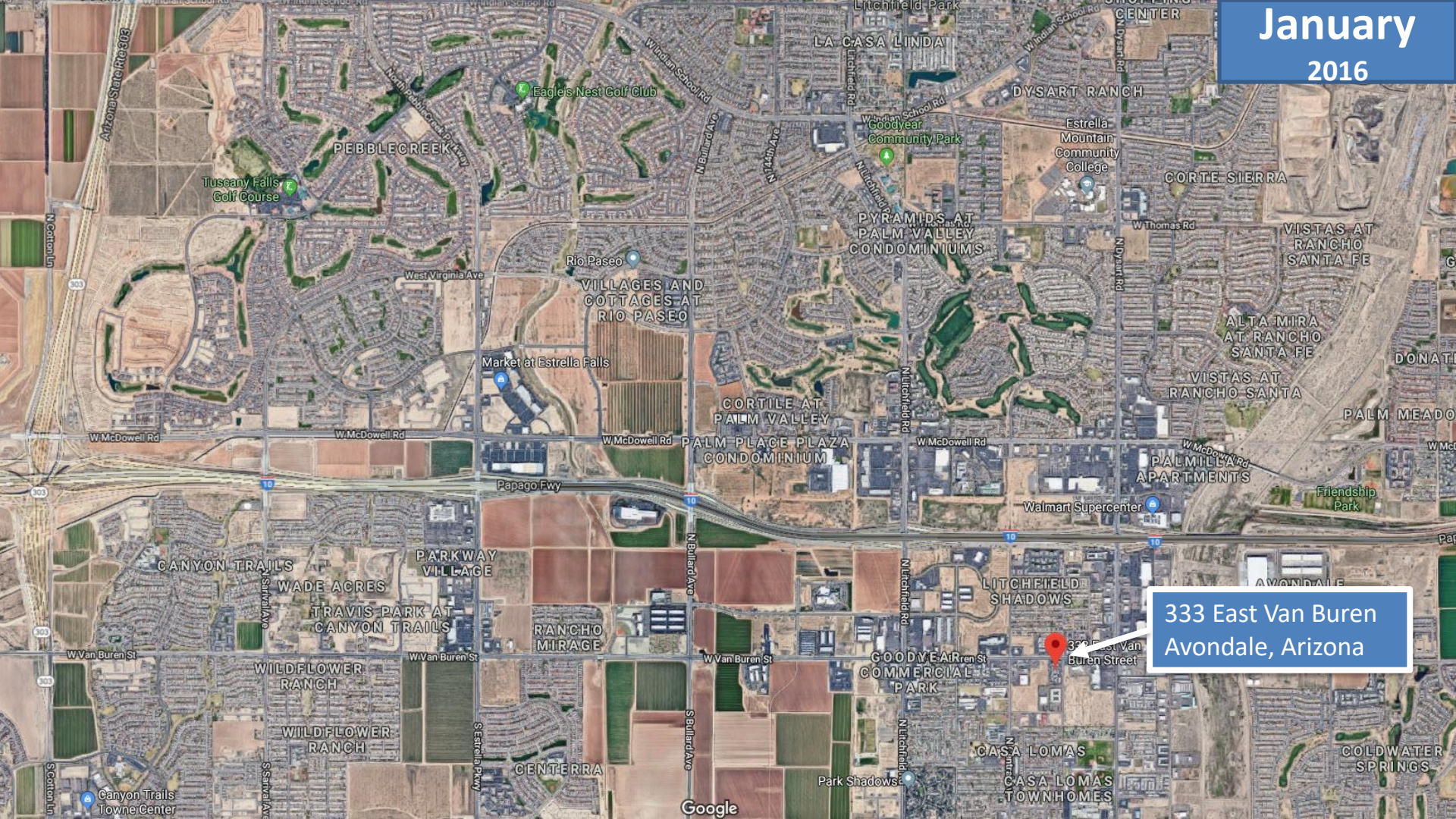


**State v. Montez Wright
State v. Tichina Shephard
CR 2017-005569**



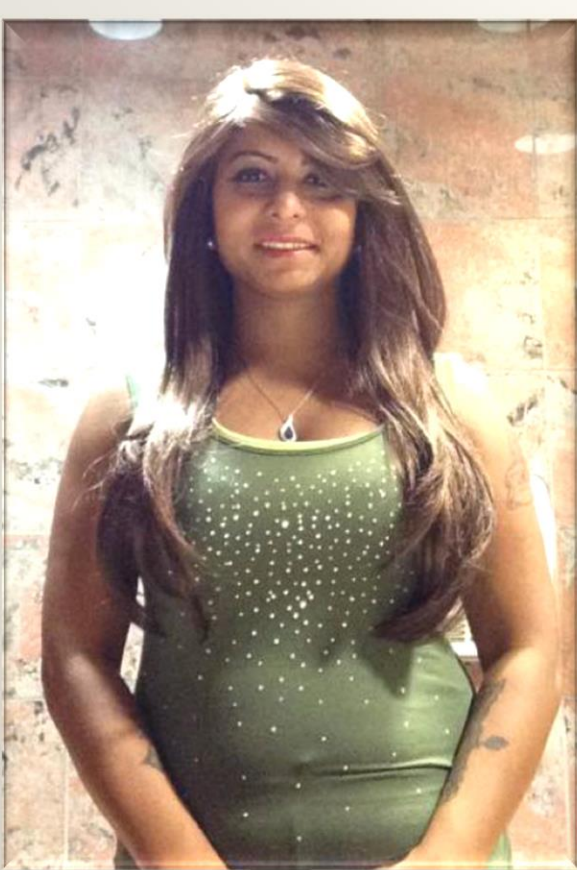
State's Opening Statement

January
2016

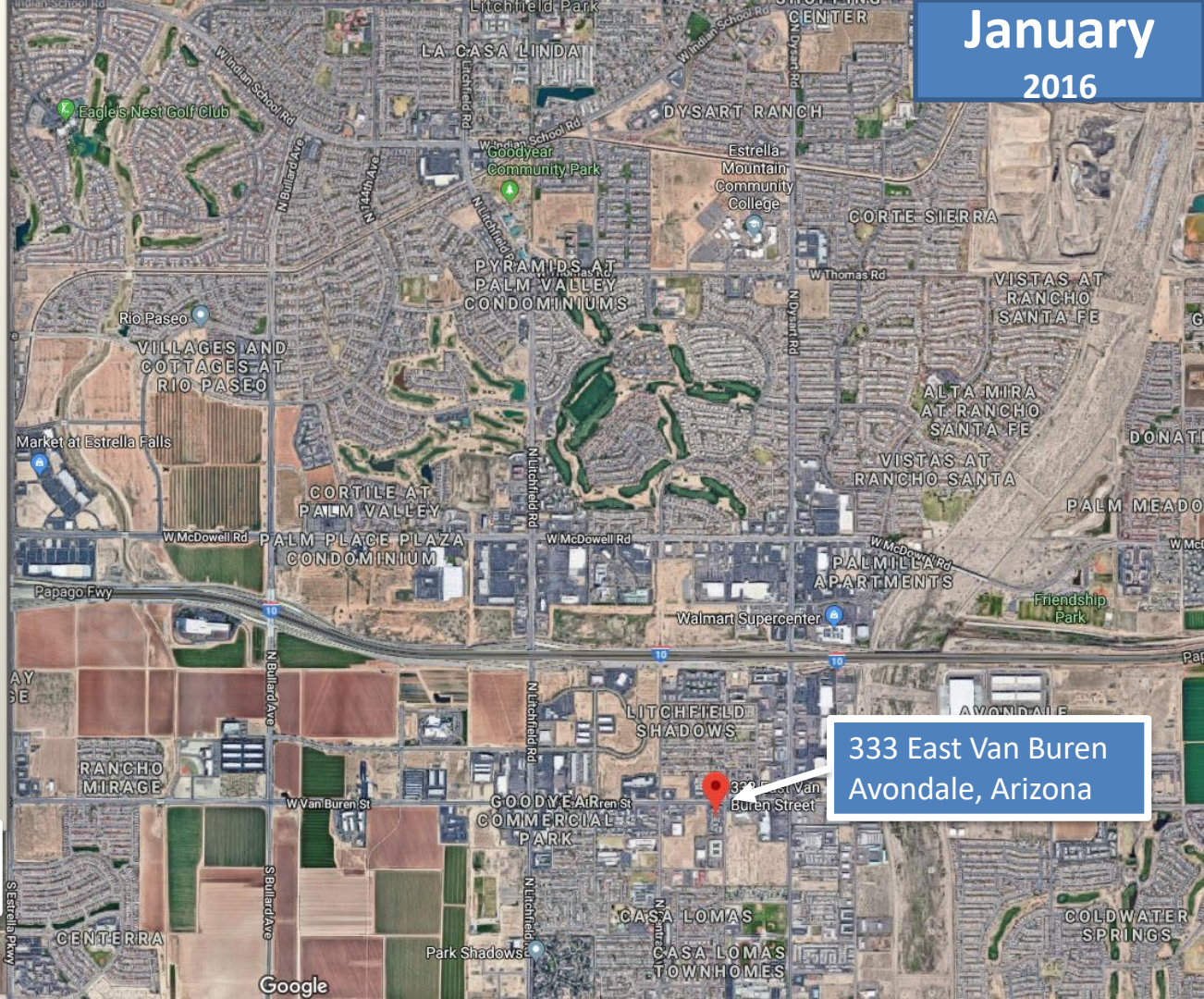


333 East Van Buren
Avondale, Arizona

January
2016



Noorun Mukti



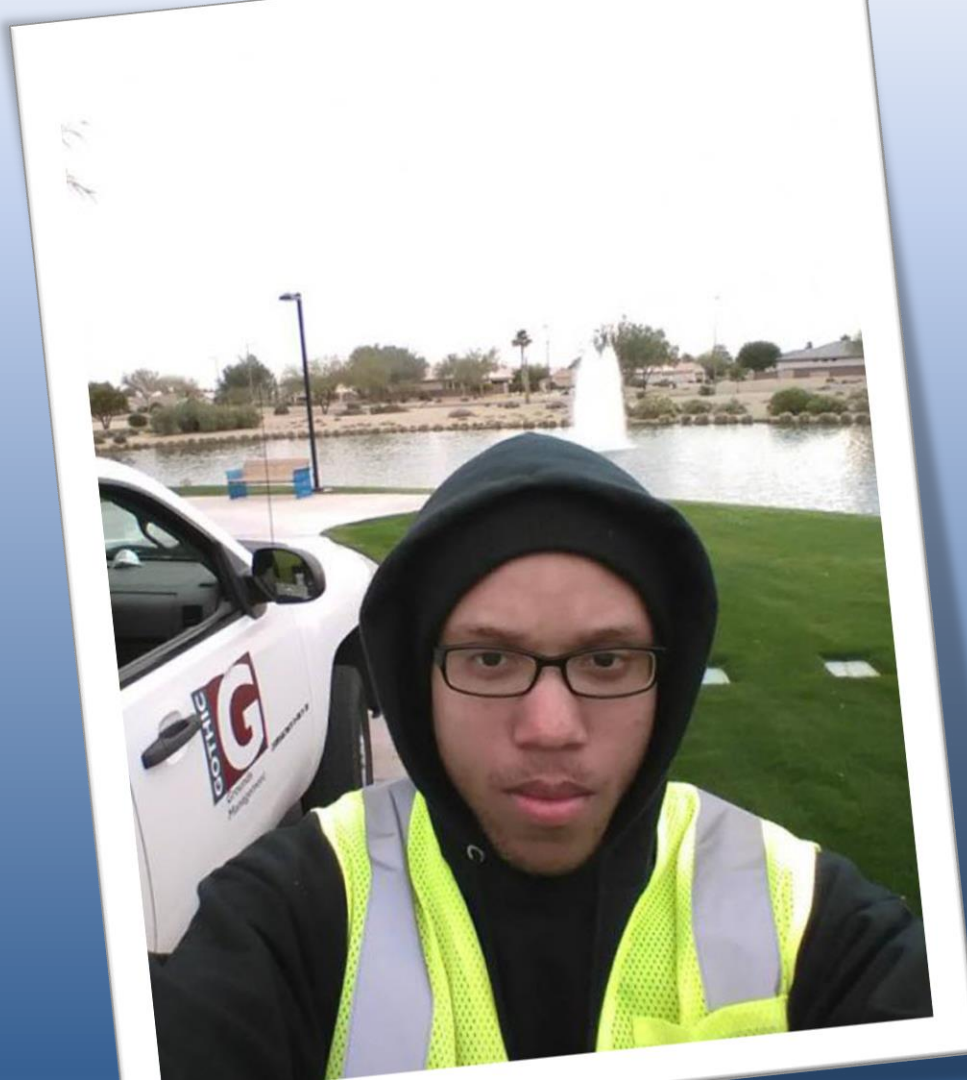
333 East Van Buren
Avondale, Arizona

January

2016

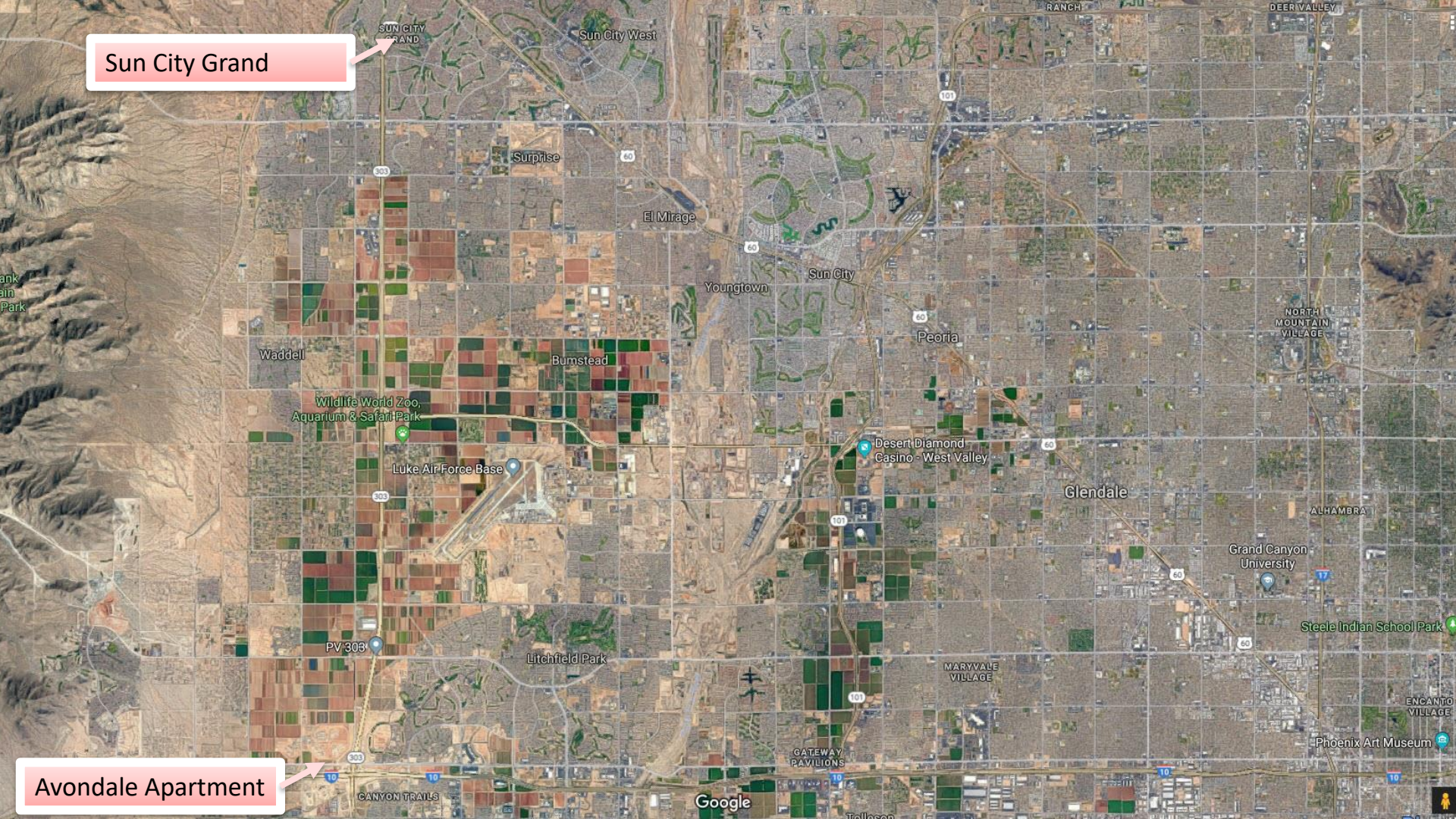
Friday

15



Sun City Grand

Avondale Apartment

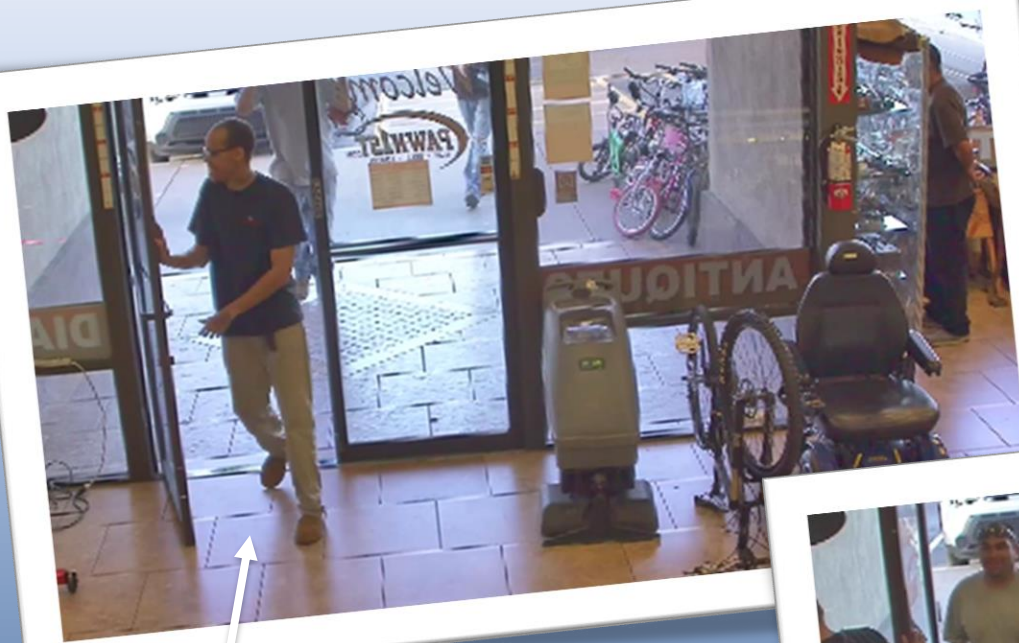


January

2016

Friday

29



Montez
Wright

Andrew Lauro





203 N. LITCHFIELD RD.
GOODYEAR AZ 85338
(623) 544-8000

LOAN

Pledgor's Name & Address MONTEZ LAVELL WRIGHT 333 E VANBUREN APT 165 AVONDALE AZ 85323 (248) 309-0801		Original Loan No. LT-S09038717													
Identification Type & No. MICHIGAN ID W623609488500		D.O.B. 6/26/1992	<table border="1"> <tr> <th>Eyes</th> <th>Race</th> <th>Hair</th> <th>Height</th> <th>Weight</th> <th>Sex</th> </tr> <tr> <td>BRN</td> <td>BLK</td> <td>BRN</td> <td>6'1"</td> <td>150 lbs.</td> <td>M</td> </tr> </table>	Eyes	Race	Hair	Height	Weight	Sex	BRN	BLK	BRN	6'1"	150 lbs.	M
Eyes	Race	Hair	Height	Weight	Sex										
BRN	BLK	BRN	6'1"	150 lbs.	M										
You are giving a Security Interest in the following pledged goods: HEDGE TRIMMER: ECHO MODEL HC-235, SERIAL NUMBER S72312017257, GAS OPERATED TRIMMER		MATURITY DATE 4/28/2016													
		AMOUNT FINANCED. The amount of cash advanced or credit extended to you. \$80.00													
		FINANCE CHARGE. The dollar amount the credit will cost you. \$53.10													
		TOTAL OF PAYMENTS. Amount required to redeem pawn on maturity date. \$133.10													
		ANNUAL PERCENTAGE RATE. The cost of your credit as a yearly rate. 265.5%													
		PAYMENT SCHEDULE 1 @ \$ \$133.10													
See your contract for any additional information concerning nonpayment and default and prepayment refunds or penalties.		PREPAYMENT: If you pay off early, you may be charged a minimum finance charge.													

YOU ARE NOT OBLIGATED TO REDEEM THE PLEDGED GOODS. THE PLEDGED GOODS WILL BE FORFEITED TO THE PAWNBROKER AFTER THE MATURITY DATE UNLESS THE PLEDGED GOODS ARE REDEEMED OR YOU ENTER INTO A NEW PAWN TRANSACTION FOR THE PLEDGED GOODS.

By signing, I am stating that I agree to all terms and conditions on the front and back and acknowledge receipt of a copy of this agreement.

I also state, Under penalty of perjury, I have read the foregoing document, and the facts stated in it are true.

X
Pledgor's Signature

NOTICE: See Reverse Side





LOAN

Pledgor's Name & Address

MONTEZ LAVELL WRIGHT
333 E VANBUREN APT 165
AVONDALE AZ 85323
(248) 309-0801

Original Loan No.

LT-S09038717



Loan Date

1/29/2016

Time Made

16:34:42

Identification Type & No.

MICHIGAN ID W623609488500

D.O.B.

6/26/1992

Eyes

BRN

Race

BLK

Hair

BRN

Height

6'1"

Weight

150 lbs.

Sex

M

You are giving a Security Interest in the following pledged goods:

HEDGE TRIMMER: ECHO MODEL HC-235, SERIAL NUMBER S72312017257, GAS OPERATED
TRIMMER

MATURITY DATE

4/28/2016

PAYMENT
SCHEDULE 1 @ \$

\$133.10

See your contract for any additional information concerning nonpayment and default and prepayment refunds or penalties.

PREPAYMENT: If you pay off early, you may
be charged a minimum finance charge.

**YOU ARE NOT OBLIGATED TO REDEEM THE PLEDGED GOODS. THE PLEDGED GOODS WILL BE
FORFEITED TO THE PAWNBROKER AFTER THE MATURITY DATE UNLESS THE PLEDGED GOODS
ARE REDEEMED OR YOU ENTER INTO A NEW PAWN TRANSACTION FOR THE PLEDGED GOODS.**

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I also state, Under penalty of perjury, I have read the foregoing document, and the facts stated in it are true.


X

Pledgor's Signature

NOTICE: See Reverse Side

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	
Montez Wright #1	248-309-0801	Pawn Ticket

Pledgor's Name & Address MONTEZ LAVELL WRIGHT 333 E VANBUREN APT 165 AVONDALE AZ 85323 (248) 309-0801		Original Loan No. LT-S09038717 													
Identification Type & No. MICHIGAN ID W623609488500		D.O.B. 6/26/1992	<table border="1"> <tr> <td>Eyes</td> <td>Race</td> <td>Hair</td> <td>Height</td> <td>Weight</td> <td>Sex</td> </tr> <tr> <td>BRN</td> <td>BLK</td> <td>BRN</td> <td>6'1"</td> <td>150 lbs.</td> <td>M</td> </tr> </table>	Eyes	Race	Hair	Height	Weight	Sex	BRN	BLK	BRN	6'1"	150 lbs.	M
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Cell Phones

Name	Number	Source(s)
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Montez Wright #1	248-309-0801	Pawn Ticket

Billing Account Number (BAN): 289394271
Account Establish Date: 12/24/2015
Account Expiration (Cancel) Date: 4/12/2016

Account Billing Address(es):
Effective: 12/24/2015

BINA WRIGHT
25512 SHIAWASSEE RD
SOUTHFIELD, MI 48033

Account Contact Numbers:
Phone: 0000000000 Active Date: 4/12/2016

***** SUBSCRIBER DETAILS *****

SubscriberID: 82762275121
Personal Telephone Number (PTN / MDN)

2487226520	Status Date: 4/12/2016 8:07:23 PM	Status: C
2487226520	Status Date: 2/11/2016 10:54:32 AM	Status: S
2487226520	Status Date: 12/24/2015 1:50:56 PM	Status: A

Bank of America 

P.O. Box 15284
Wilmington, DE 19850

TICHINA P SHEPHARD
25512 SHIAWASSEE APT 127
SOUTH FIELD, MI 48223

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	Certified Cell Phone Records
Montez Wright #1	248-309-0801	Pawn Ticket

Between 12/26/15 and 1/30/16 there are 460 calls or texts between those two numbers

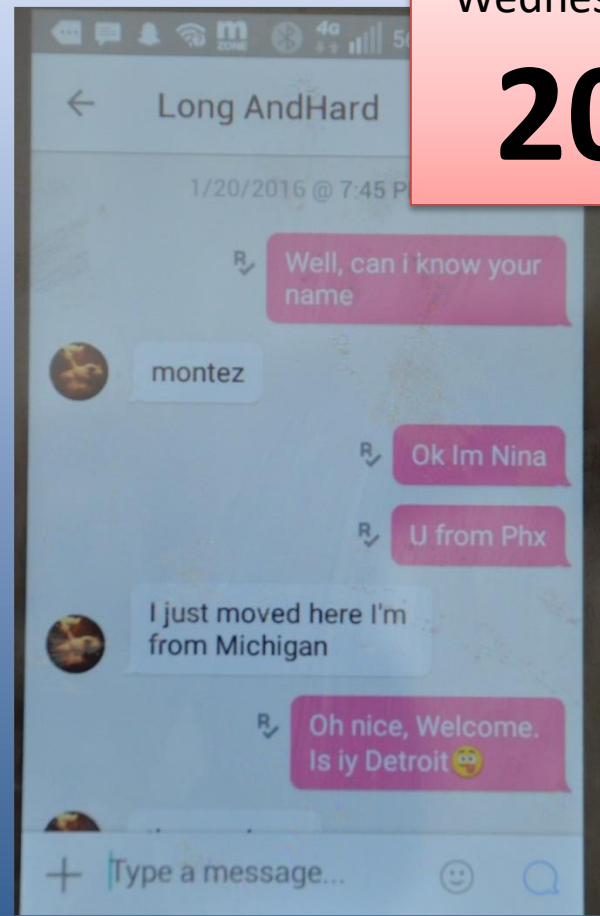
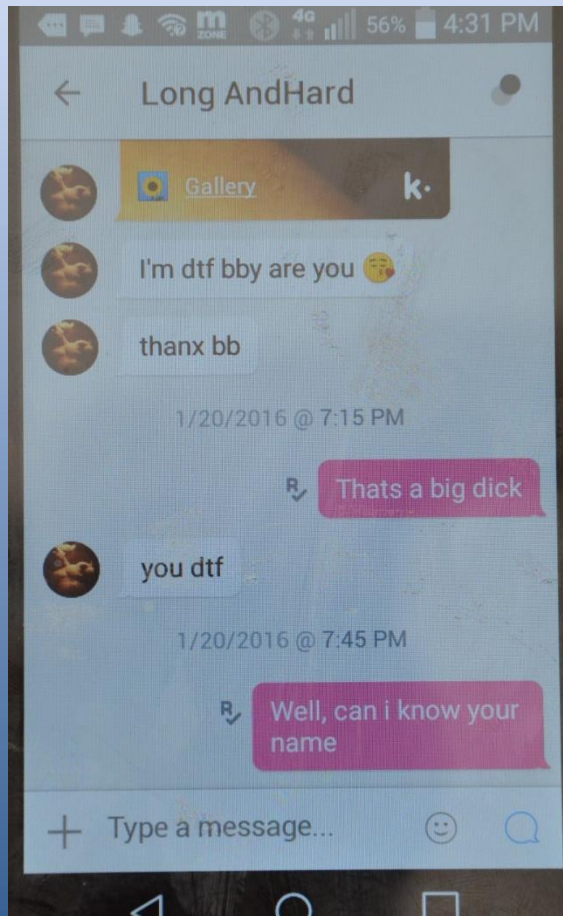
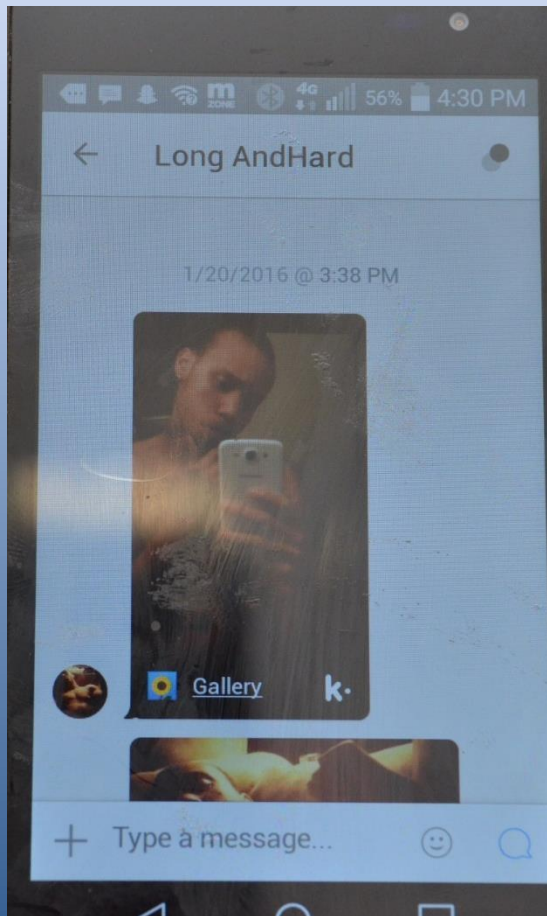
After 1/30/16 there is only one – a text from Tichina on 2/5.

January

2016

Wednesday

20

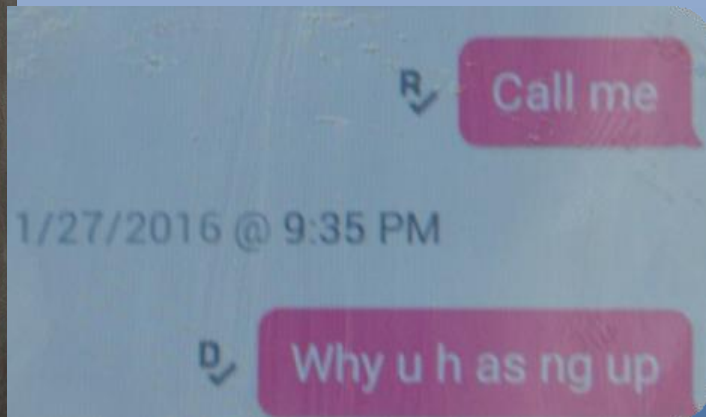
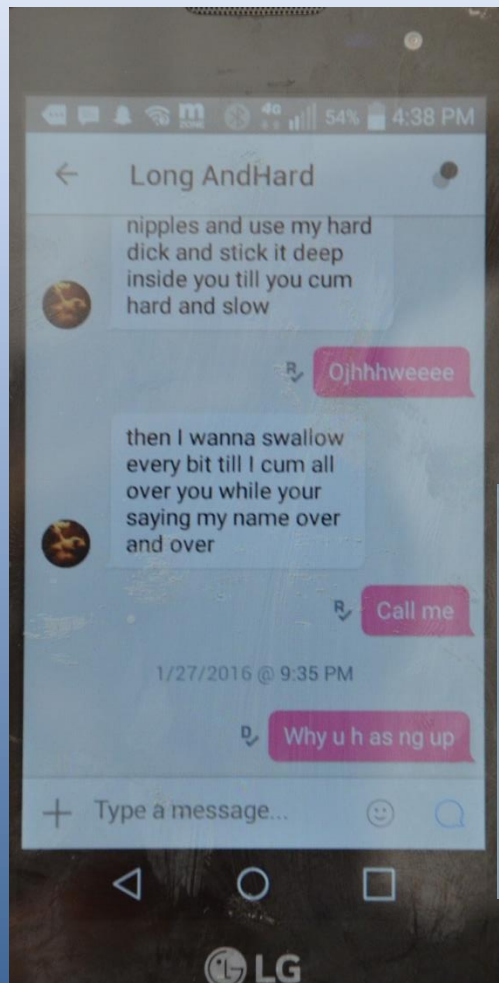
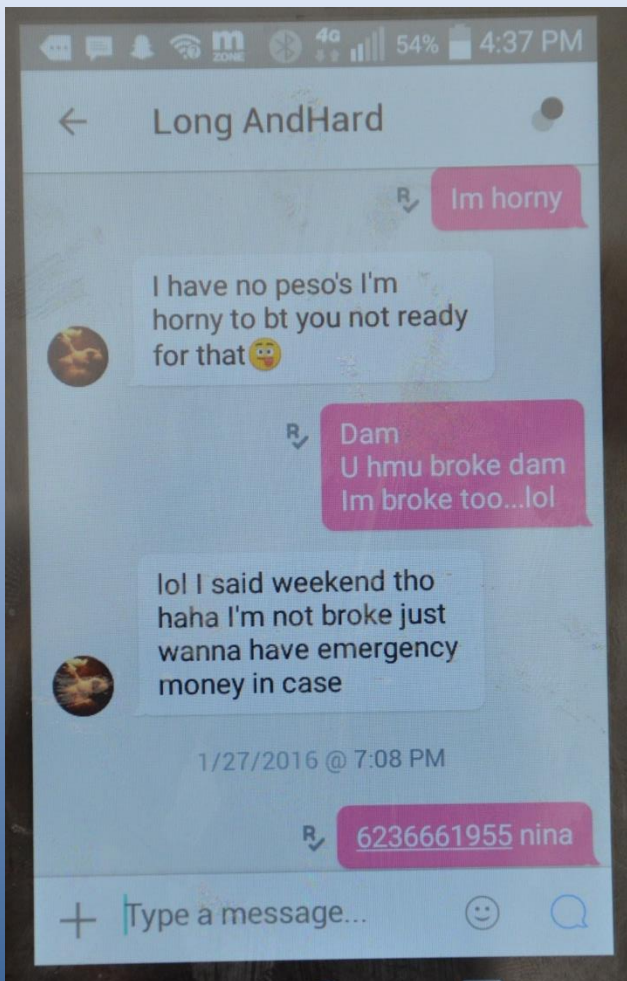


January

2016

Wednesday

27

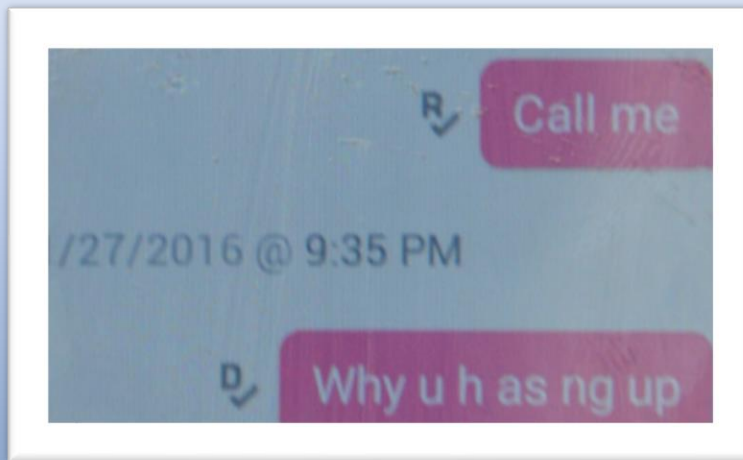
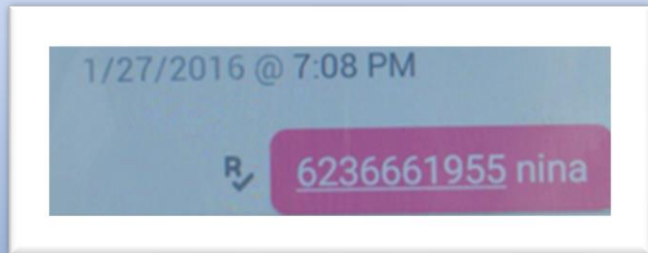


January

2016

Wednesday

27



This is in response to your Search Warrant , SW2016-002928 dated Feb 11,2016 which was served upon T-Mobile US, Inc. You have requested Information for the subscriber associated with MSISDN: 7346205880. All times below are reflected in Coordinated Universal Time (UTC).

Date	Time	Duration	Call Type	Direction	Calling Number	Dialed Number	Called Number	Destination Number	IMSI
1/28/2016	02:21:37	458	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955	310260726523333
1/28/2016	03:39:39	1070	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955	310260726523333

Date	Arizona Time	Duration	Call Type	Direction	Calling Number	Dialed Number	Called Number	Destination Number
1/27/2016	19:21:37	458	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955
1/27/2016	20:39:39	1070	mSOriginating	Outgoing	7346205880	6236661955	6236661955	6236661955

Cell Phones

Name	Number	Source(s)
Tichina Shephard (Bina Wright)	248-722-6520	Certified Cell Phone Records
Montez Wright #1	248-309-0801	Pawn Ticket
Montez Wright #2	734-620-5880	KIK messages

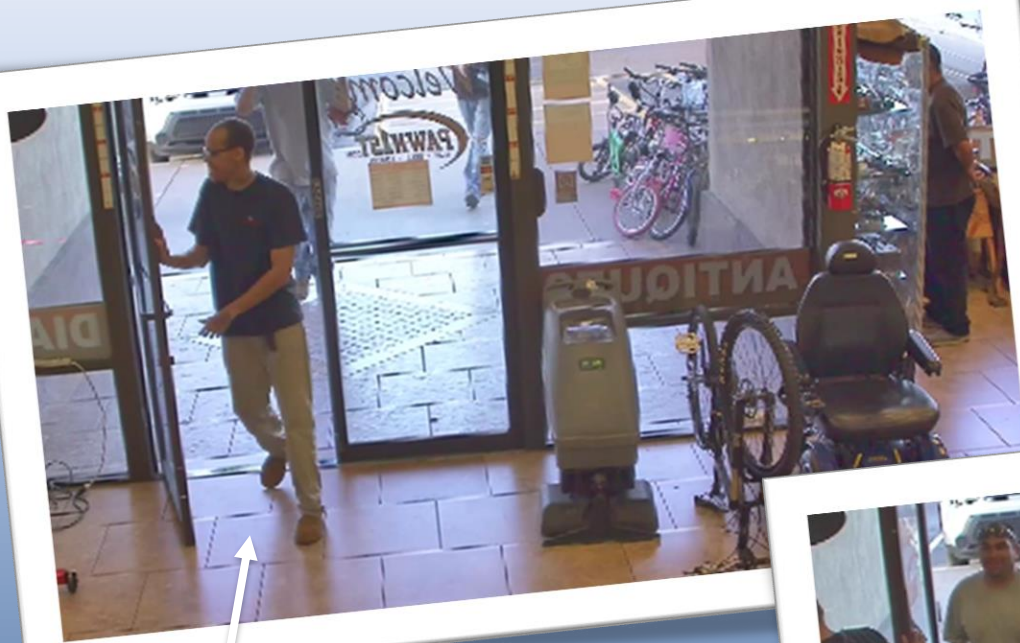
Between 1/27/16 and 2/8/16 there are 28 calls or texts between Shephard and Wright's second phone

January

2016

Friday

29



Montez
Wright

Andrew Lauro



February

2016

Wednesday

3

ROBERT H HUBER DBA
GELATIN CAPSULE TECHNOLOGY
8529 WALDON DR
GREENWOOD, IN 46143-5270

1537
70-2100/715
142

02/03/2016

Pay to the
Order of

Morton Lowell Wright III

\$36,579.35

Thirty Six Thousand Five Hundred and No/100ths —

35/100 Dollars



PNC BANK

PNC Bank, N.A. 071

For Final Payment - Rev Wharves Gutter Lt.

Robert H. L. Huber

⑆071921891⑆ 4617886209⑆ 1537

Search Term	URL	Date/Time - (UTC) (M)
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks	02/04/2016 12:36:40 AM
how to remove ink for checks	https://www.google.com/?gws_rd=ssl#q=how+to+remove+ink+for+checks&start=10	02/04/2016 12:37:01 AM
how to send a fake check using checking account	https://www.google.com/?gws_rd=ssl#q=how+to+send+a+fake+check+using+checking+account	02/04/2016 12:46:30 AM
accounts that take checking account numbers	https://www.google.com/?gws_rd=ssl#q=accounts+that+take+checking+account+numbers	02/04/2016 12:47:58 AM
wire transfer to bank account	https://www.google.com/afs/ads?q=wire%20transfer%20to%20bank%20account&oe=utf-8&ie=utf-8&lo=false&adpage=1&adrep=4&po=false&r=m&fexp=21404&client=aj-dictionary-106&channel=12025%2Cchan_web%2Corig_semQuery%2Cud_desktop%2CTEST_69%2Cask-non-dla&adtest=off&adsafe=medium&type=0&format=p4%7Cn5&ad=n5p4&nocache=2621454548343391&num=0&output=uds_ads_only&v=3&adlh=on&adext=as1%2Csr1&bsl=10&u_his=7&u_tz=-360&dt=1454548343400&u_w=1366&u_h=768&biw=1354&bih=651&psw=1354&psh=1730&frm=0&uio=uv3cs1sr1lo0po0va1hCsl1cc0-lHaf3st15sd13sv13sa13lt18d16lv16da1-lhaf3st15sd13sv13sa13lt18d16lv16da1&rurl=http%3A%2F%2Fwww.ask.com%2Fweb%3Fam%3Dbroad%26q%3Dwire%2Btransfer%2Bto%2Bbank%2Baccount%26an%3Dmsn_s%26askid%3Dc7337beb-7027-4258-8053-929445a36df6-0-us_msb%26kv%3Ddefault%26gc%3D0%26dqi%3D%26qsrc%3D999%26ad%3DsemD%26o%3D12025%26l%3Ddir%26af%3D&referrer=https%3A%2F%2Fwww.bing.com%2F	02/04/2016 01:12:23 AM

how to remove ink for checks

how to remove ink for checks

how to send a fake check using checking account

accounts that take checking account numbers

wire transfer to bank account

February
2016

Wednesday

3

Between 5:30 pm and 6:15 pm,
Arizona time on February 3, 2016

Employee Time Card

For the period of Monday, February 1, 2016 - Sunday, March 6, 2016

MONTEZ LAVELL WRIGHT III

Location Name	Cost Code	Mon 2/1	Tue 2/2	Wed 2/3	Thu 2/4	Fri 2/5	Sat 2/6	Sun 2/7	Total
SUN CITY GRAND - 740	Landscape Maintenanc	7.92	7.93	7.68	-	7.93	-	-	31.46
Total		7.92	7.93	7.68	-	7.93	-	-	31.46

2016

4

333 East Van Buren
Avondale, Arizona

Credit Union West
503 W. Van Buren



February

2016

Thursday

4

Employee Time Card

For the period of Monday, February 1, 2016 - Sunday, March 6, 2016

MONTEZ LAVELL WRIGHT III

Location Name	Cost Code	Mon 2/1	Tue 2/2	Wed 2/3	Thu 2/4	Fri 2/5	Sat 2/6	Sun 2/7	Total
SUN CITY GRAND - 740	Landscape Maintenanc	7.92	7.93	7.68	-	7.93	-	-	31.46
Total		7.92	7.93	7.68	-	7.93	-	-	31.46

Account 1 – brownmia14@yahoo.com

1. Account Name – brownmia14@yahoo.com
2. Date Account Submitted – 02/07/2016
3. Location of Account Creation – 66.87.70.210 (Phoenix, Arizona, United States)
4. Account Status – This account as rejected on 2/08/2016
5. Legal Business Name (if given) – LUSCIOUSLOCZ
6. DBA (if given) – LUSCIOUSLOCZ
7. URL – http://lusciouslocz.bigcartel.com
8. Product Description – “Virgin hair”
9. Volume / # of Charges - \$26,295 / 5
10. Email Address – brownmia14@yahoo.com
11. Phone Number - 2487226520
12. Company Representative / DOB – Tichina Shepard / 10/07/1992
13. Physical Address – 123 Creekside Court, GA, AZ, 30223, US
14. Bank Account(s) –

Name of Bank/Financial Institution	Routing Number	Account Number
Bank of America, N.A.	122101706	457034148853
Zeal Credit Union	272477694	40001899364

February

2016

Sunday

7

Stripe Account

February

2016

Sunday

7

14. Bank Account(s) –

Name of Bank/Financial Institution	Routing Number	Account Number
Bank of America, N.A.	122101706	457034148853
Zeal Credit Union	272477694	40001899364

Date: 2/9/2016 Time: 4:58:28 PM (US Central Time) Scanned from: 12101706

Bank of America

BANK OF AMERICA, N.A. (THE "BANK")

Account Number: 457034148853

4570 3414 8853

TICHINA P SHEPHARD

OWNERSHIP TYPES:

☒ Individual Owner

TX & NC: IF JOINT OWNERS, THE JOINT OWNER SURVIVORSHIP MUST BE SELECTED ON PAGE 2. ALL OTHER STATES: IF JOINT OWNERS, SELECT FROM THE APPROPRIATE SURVIVORSHIP BELOW.

☐ Joint with Right of Survivorship

☐ Tenants by Entireties (Form of Joint with Right of Survivorship for spousal co-owners only. Note: Defaults to Joint with Right of Survivorship if state law does not recognize Tenants by Entireties for bank accounts.)

Check if designating beneficiaries: ☐ Payable on Death (POD) / ☐ In Trust for (ITF) / ☐ Totten Trust (Refer to Beneficiary Addendum for details)

ZEAL CREDIT UNION

Member Number: 35061403

Account Number: 40001899364

Free Checking ☒ Overdraft Protection ☐
Basic Checking ☐ Overdraft Line of Credit (if applicable) to checking account to cover overdraft transactions. Fees for this service are disclosed in the Schedule of Fees. Please indicate transfer priority below:
Dividend Checking ☐
1. Overdraft Line of Credit Loan (LOD) - if applicable
2. mbr savings
3.

VISA Debit Card (w/Checking Account Only) ☐ ATM Card ☐ Telephone Banking ☐ e-Statements ☐
Primary Owner ☐ Joint Owner ☐
You are requesting the convenience of 24-hour access to your Credit Union account (s) and a Personal Identification Number (PIN) and you agree to the terms and conditions of the EFT/ATM agreement provided.

Secondary Savings Account ☐ High Yield (Initial deposit of \$2500.00)
(Interest to be paid monthly to:
☐ Mail Check to Account Holder
☐ Credit to High Yield Account
☐ Credit to Savings Account #

Montez L. Wright III

Montez L. Wright III

Address: 25512 Shiawassee R Apt # City: Southfield State: MI Zip: 48033

THE FOLLOWING INDIVIDUAL(S) IS/ARE JOINT OWNERS WITH RIGHTS TO SURVIVORSHIP ON THESE SERVICES.

Secondary Savings ☐ First Name Middle Last Name

February

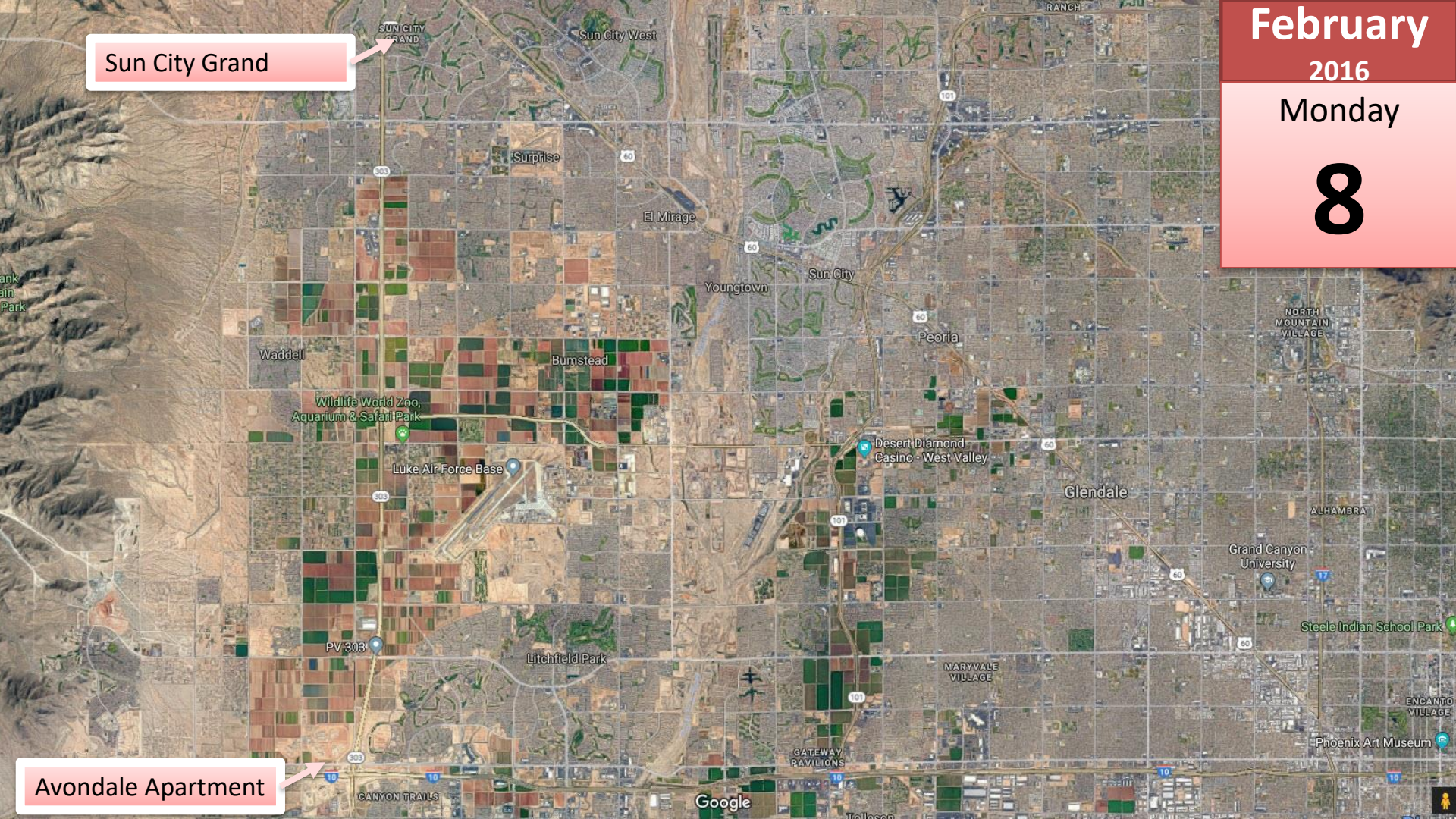
2016

Monday

8

Sun City Grand

Avondale Apartment



February
2016
Monday

8

The Dobbert
residence



Wright & Shephard Timeline

February

2016

Monday

8

Dobbert

7:45 am



February
2016
Monday

8



The Dobbert residence



The Colville residence

The Leslie residence

Wright & Shephard Timeline

February

2016

Monday

8

Dobbert

7:45 am



Colville gym

6:15 am



February

2016

Monday

8





February

2016

Monday

8



February

2016

Monday

8



Wright & Shephard Timeline

February

2016

Monday

8

Dobbert

7:45 am



Murder



Colville gym

6:15 am

Colville home

Garage
open-car
gone

8:00 am

Historical Cell Site Analysis

Cell Site Activations for Sprint 248-722-6520 and T-Mobile 734-620-5880

02/08/2016 8:07 am, 8:08 am



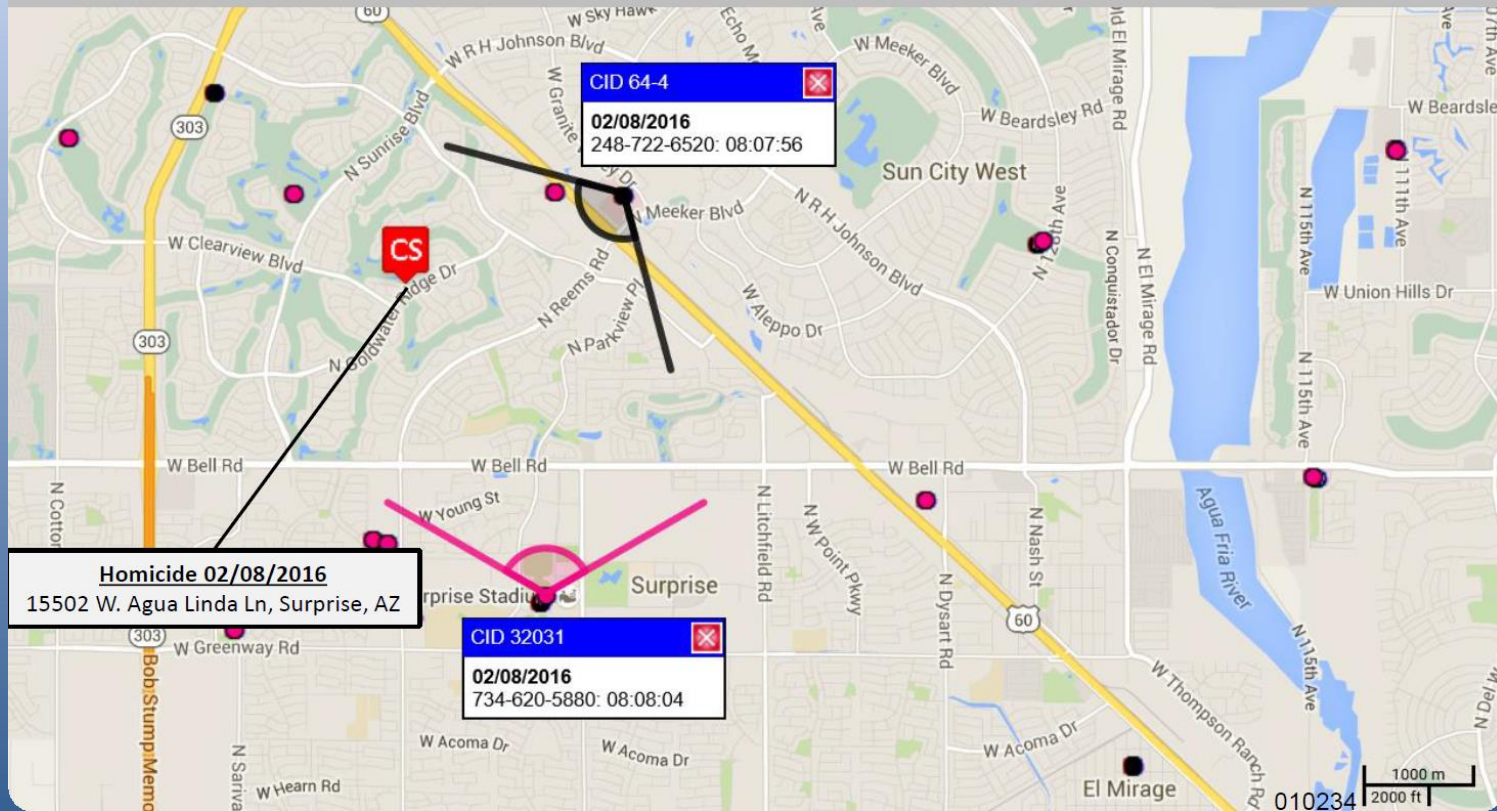
February

2016

Monday

8

Note: T-Mobile 734-620-5880 was recovered at the scene of the homicide. The call depicted on this slide is from Sprint 248-722-6520 to T-Mobile 734-620-5880, time discrepancy is due to different service providers.

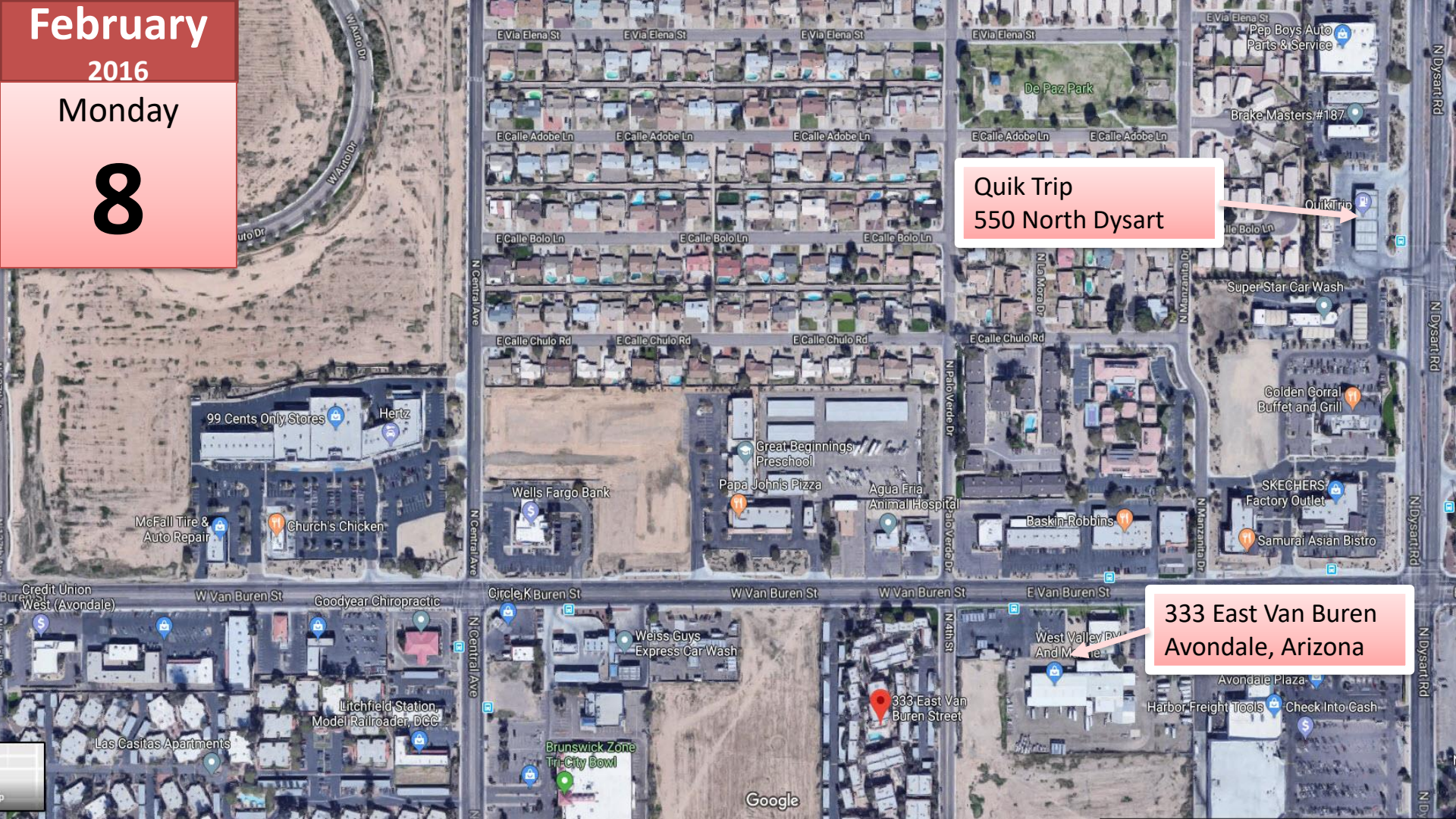


February

2016

Monday

8



Quik Trip
550 North Dysart

333 East Van Buren
Avondale, Arizona

February

2016

Monday

8

2/8/2016 08:59:18.176 AM (MST)



Parking Right



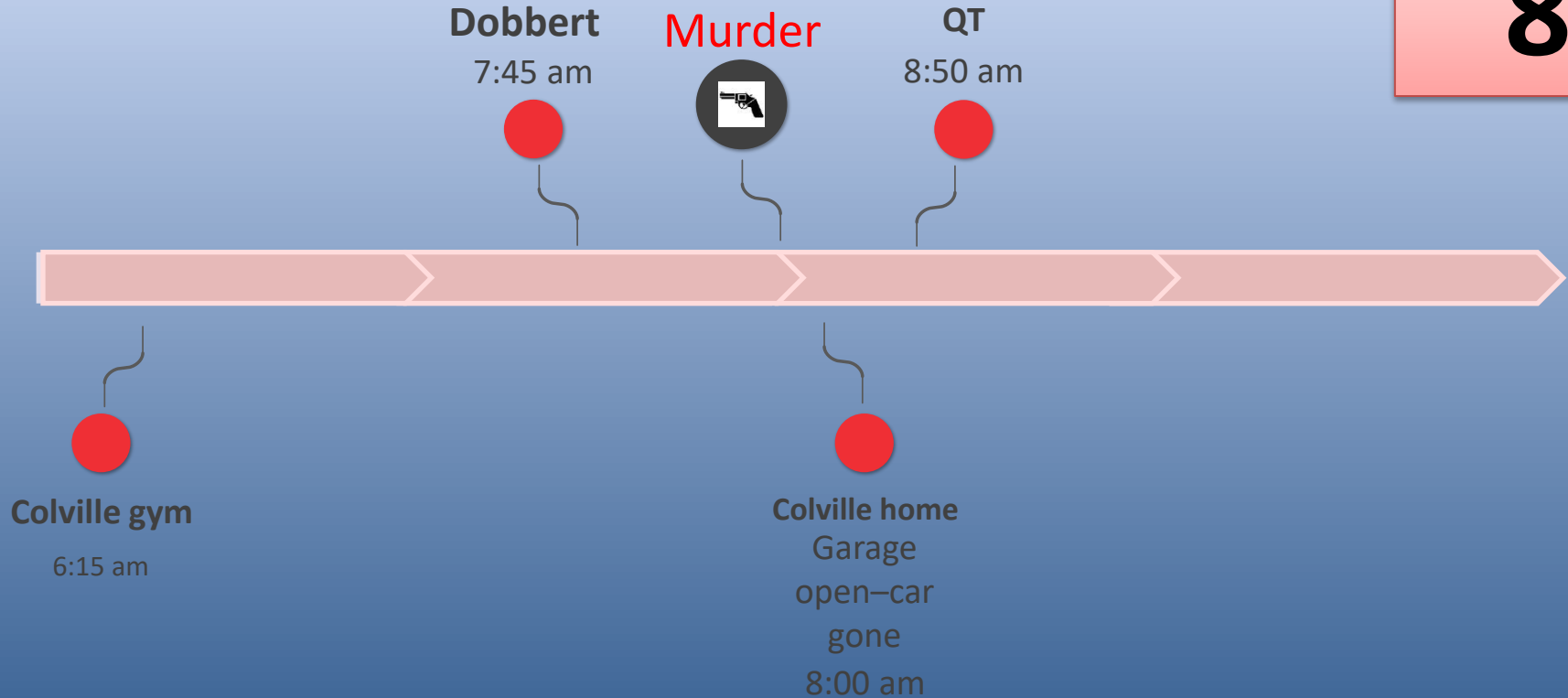
Wright & Shephard Timeline

February

2016

Monday

8



Account 1 – brownmia14@yahoo.com

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6. DBA (if given) – LUSCIOUSLOCZ
7. URL – <http://lusciouslocz.bigcartel.com>
8. Product Description – “Virgin hair”
9. Volume / # of Charges - \$26,295 / 5
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11. Phone Number - 2487226520
12. Company Representative / DOB – Tichina Shepard / 10/07/1992
13. Physical Address – 123 Creekside Court, GA, AZ, 30223, US
14. Bank Account(s) –

Name of Bank/Financial Institution	Routing Number	Account Number
Bank of America, N.A.	122101706	457034148853
Zeal Credit Union	272477694	40001899364

February

2016

Sunday

7

Ruth Schwed's Wells Fargo Account

Post Date (yyyymmdd)	Reference Number	Merchant Name	Amount
2016-02-10	00005029010034802331	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	1,115.00
2016-02-10	00005026010034957558	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	5,595.00
2016-02-10	00005025010034975586	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	16,795.00

Barbara Leslie's Chase Account

TRANSACTION DETAIL

DATE	DESCRIPTION	AMOUNT	BALANCE
	Beginning Balance		\$6,694.73
01/19	Southwest Gas App PPD ID: 4880085720	- 66.20	6,628.53
01/20	SSA Treas 310 Xxsoc Sec PPD ID: 9031736039	1,783.00	8,411.53
01/25	01/23 Online Transfer 5148125049 To Ryan #####0020 Transaction #: 5148125049	- 200.00	8,211.53
01/25	01/25 Online Transfer 5151896509 To Ryan #####0020 Transaction #: 5151896509	- 1,000.00	7,211.53
01/25	Chase Autopay PPD ID: 4760039224	- 1,086.74	6,124.79
01/25	Check # 1525 Parks And Sons Checkpaym! Arc ID: 2860390345	- 196.00	5,928.79
01/26	Check # 1525	- 30.00	5,898.79
01/28	Centurylink Auto Pay PPD ID: 9Atp027380	- 45.99	5,852.80
01/29	Deposit	320.18	6,172.98
02/01	Fidelity Investm Pension PPD ID: 9000876483	1,656.28	7,829.26
02/01	Fidelity Investm Pension PPD ID: 9000876483	563.15	8,392.41
02/01	Metlife Ins Paymnl PPD ID: 9430805910	- 48.25	8,344.16
02/04	Verizon Wireless Payments PPD ID: 4223344794	- 86.43	8,277.73
02/04	Epcor Water(USA) Payment PPD ID: 4460525312	- 33.60	8,244.13
02/05	Directv Payment PPD ID: 9Dlvdv	- 134.12	8,110.01
02/05	Aps Billing PPD ID: 1860011170	- 86.52	8,023.49
02/05	Phx News Inc AZ Rep PPD ID: 2860937358	- 25.64	7,997.85
02/08	The Hartford Ntlpicool PPD ID: 900653231	- 110.71	7,887.14
02/08	The Hartford Ntlpicool PPD ID: 900653231	- 58.89	7,828.25
02/08	Safeco Insurance Ins Prem PPD ID: 0019972828	- 26.40	7,801.85
02/08	Azawc Payment PPD ID: 1860096580	- 24.78	7,777.07
02/09	Card Purchase 02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,675.00	6,102.07
02/09	Card Purchase 02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,115.00	4,987.07

02/09	Card Purchase	02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,675.00	6,102.07
02/09	Card Purchase	02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,115.00	4,987.07

February

2016

Monday

8

Shephard's Stripe Account

Date And Time	Card Number (First Six and Last Four)	Amount	Currency
2016-02-08T16:43:00.722Z	475056tYfKINet3iouS8744	1675	usd
2016-02-08T16:45:26.207Z	475056tYfKINet3iouS8744	1115	usd
2016-02-08T18:22:04.847Z	4342584zzJuM2IzSViP8282	1115	usd
2016-02-08T18:24:08.774Z	4342584zzJuM2IzSViP8282	16795	usd
2016-02-08T18:27:14.442Z	4342584zzJuM2IzSViP8282	5595	usd

Barbara Leslie Account

02/09	Card Purchase	02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,675.00	6,102.07
02/09	Card Purchase	02/08 Lusciouslocz Lusciouslocz. GA Card 8744	- 1,115.00	4,987.07

Ruth Schwed Account

Date	Card Number	Merchant Name	Amount
2016-02-10	00005029010034802331	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	1,115.00
2016-02-10	00005026010034957558	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	5,595.00
2016-02-10	00005025010034975586	PURCHASE LUSCIOUSLOCZ GA AZ CARD8282	16,795.00

Account Number: 4570 3414 8853

Bank Number: 333

Account Type: ☒ DDA ☐ SAV ☐ CD

Account Title:

TICHINA P SHEPHARD

OWNERSHIP TYPES:	<input checked="" type="checkbox"/> Individual Owner
	TX & NC: IF JOINT OWNERS, THE JOINT OWNER SURVIVORSHIP MUST BE SELECTED ON PAGE 2. ALL OTHER STATES: IF JOINT OWNERS, SELECT FROM THE APPROPRIATE SURVIVORSHIP BELOW.
	<input type="checkbox"/> Joint with Right of Survivorship
	<input type="checkbox"/> Tenants by Entireties (Form of Joint with Right of Survivorship for spousal co-owners only. Note: Defaults to Joint with Right of Survivorship if state law does not recognize Tenants by Entireties for bank accounts.)

Check if designating beneficiaries: ☐ Payable on Death (POD) / In Trust For (ITF) / Totten Trust (Refer to Beneficiary Addendum for details)

By signing below, I/we acknowledge and agree that this account is and will be governed by the terms and conditions set forth in the account opening documents, including the Deposit Agreement and Disclosures and the Personal Schedule of Fees. I/we acknowledge the receipt of these documents. I/we understand and agree that the Bank may change these documents at any time by adding new terms, or deleting or amending existing terms. The Deposit Agreement includes a provision for jury trial waiver or reference to a judicial referee. A joint account with right of survivorship is the property of each co-owner and payable to either co-owner or to the surviving co-owner(s) if a co-owner dies.

By checking the box marked "ATM/Debit Card Requested?" I/we hereby request an Automatic Teller Machine Card and/or a Debit Card. By signing below, I/we consent to the issuance of an ATM card and/or Debit Card to the other account holders indicated below. By signing below, I/we acknowledge and agree that the signature(s) will serve as verification for any transaction in connection with this account, and as the certification (set forth below) of the taxpayer identification number (TIN).

Substitute Form W-9
Certification - Under penalties of perjury, I certify that: (1) The number shown on this form is the correct taxpayer identification number (or I am waiting for a number to be issued to me); and (2) I am not subject to backup withholding because: (A) I am exempt from backup withholding, or (B) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (C) the IRS has notified me that I am no longer subject to backup withholding; (3) I am a US citizen or other US person (Defined in the W-9 instructions); and (4) the FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification Instructions
You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. (Please refer to the IRS instructions for Form W-9).

The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid backup withholding.

☐ Nonresident Alien Status (if applicable) If you and all of the joint owners of this account are foreign persons, check here and complete and sign the applicable Form(s) W-8.

Tax ID Number	Rpt. Interest On Yes/No	Printed Name	Signature	Date	ATM/Debit Card Request? Check if Yes (Dep. Accts. Only)
1. 377-15-8673	<input checked="" type="checkbox"/>	TICHINA P SHEPHARD	Tichina Shephard	02-08-16	<input checked="" type="checkbox"/>
2.	<input type="checkbox"/>				<input type="checkbox"/>
3.	<input type="checkbox"/>				<input type="checkbox"/>

February

2016

Monday

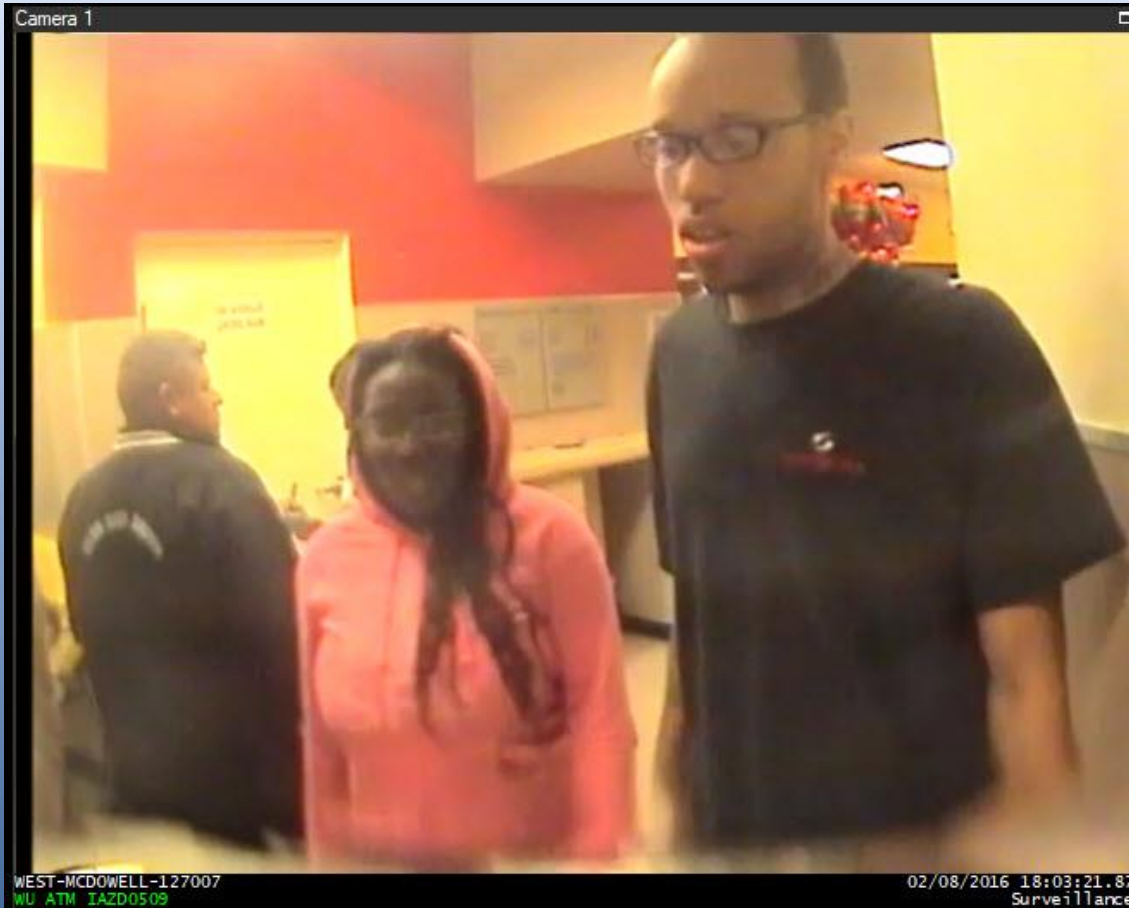
8

February

2016

Monday

8



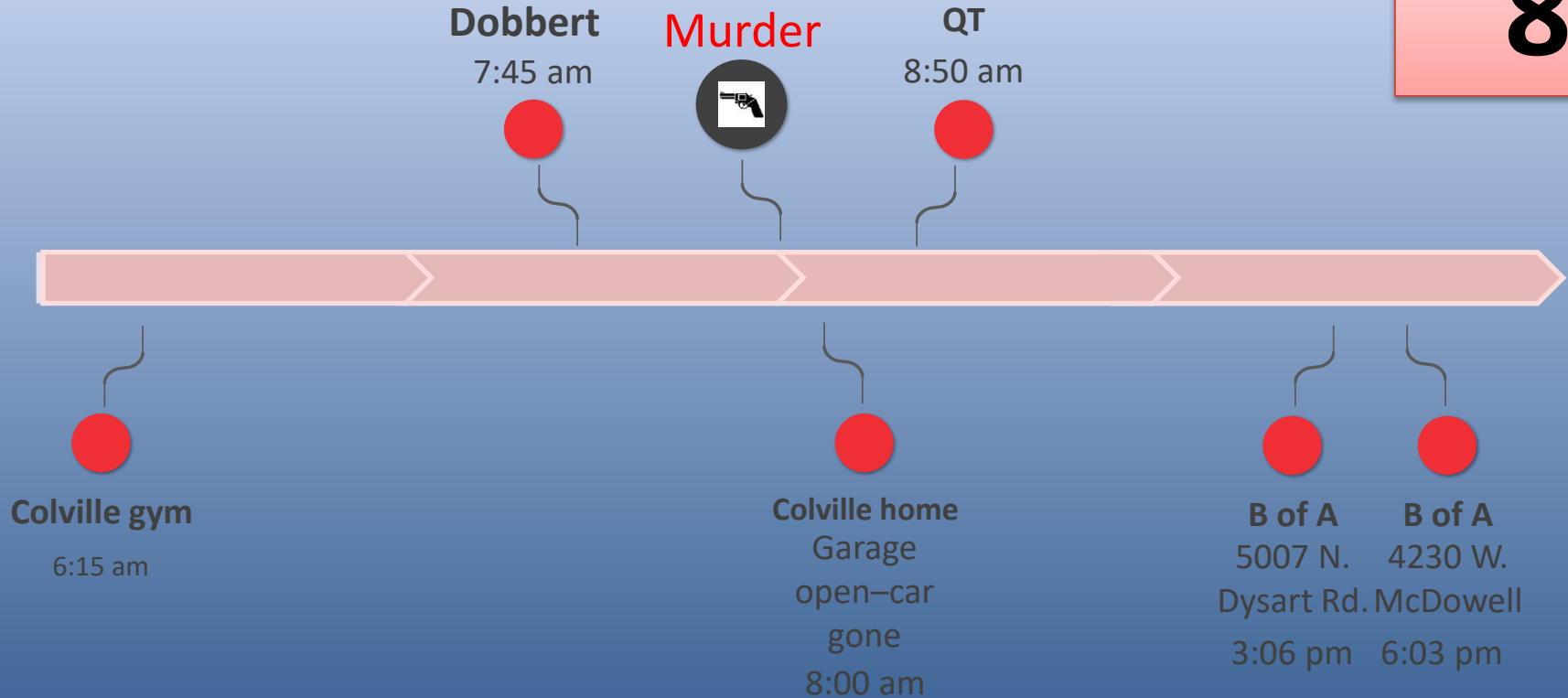
Wright & Shephard Timeline

February

2016

Monday

8



Historical Cell Site Analysis

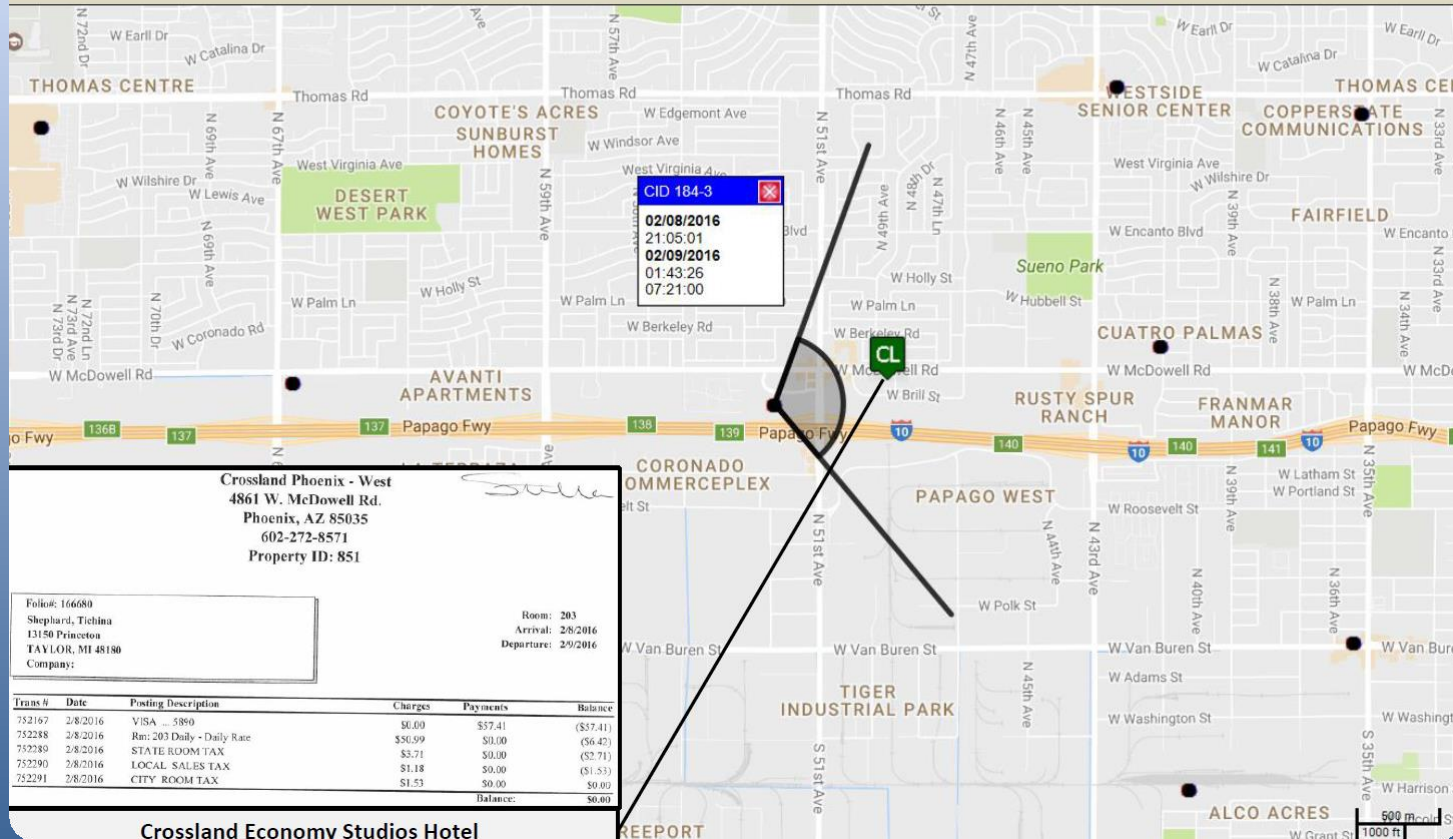
Cell Site Activations for Sprint 248-722-6520

02/08/2016 9:05 pm, 02/09/2016 1:43 am, 7:21 am



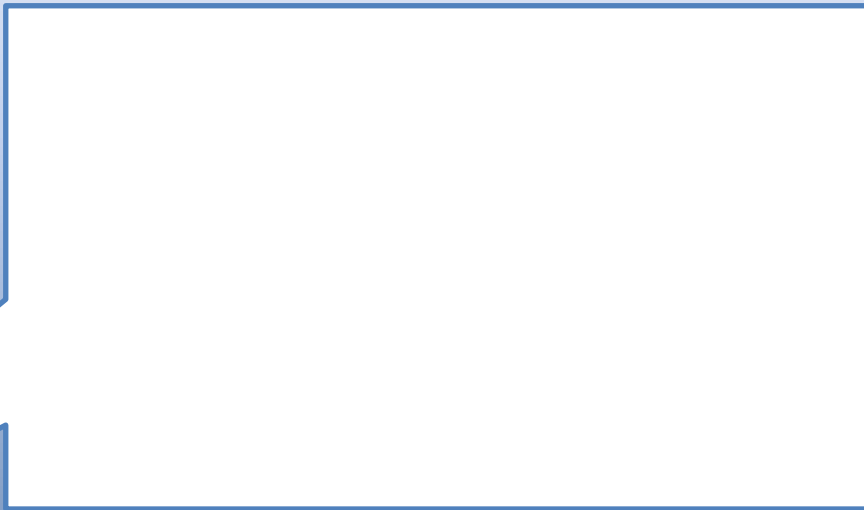
February
2016
Monday

8





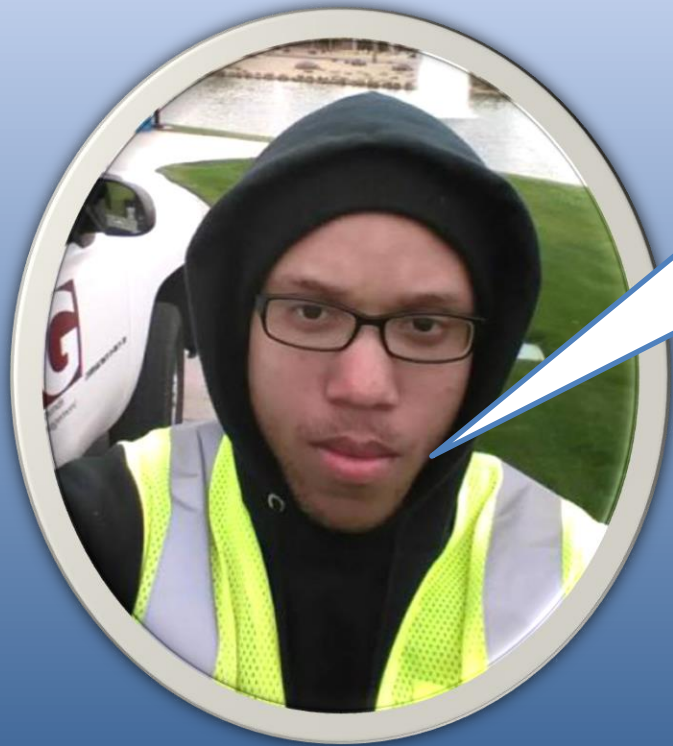
Cross examination



31	2/7/2016	21:40	21:41	Shephard's phone near apartment	CDR	97	Tower 40065
32	2/8/2016	4:45	4:46	Wright's phone near apartment	CDR	101	Tower 21023
33	2/8/2016	8:08	8:08	Wright's phone near murder	CDR	101	
34	2/8/2016	8:54	8:55	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
35	2/8/2016	8:56	9:18	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
36	2/8/2016	9:46	9:46	Shephard's phone calls Baggett	CDR	97	From near Cavco
37	2/8/2016	9:46	9:50	Shephard's phone calls Baggett	CDR	97	From near Cavco (only call that lasts more than 30 seconds)
38	2/8/2016	9:58	10:02	Stripe access (Sprint)	Stripe records	93	
39	2/8/2016	10:09	10:09	Shephard's phone calls stepdad	CDR	97	From near PIR (exhibit 130)
40	2/8/2016	10:30	10:31	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
41	2/8/2016	10:42	10:47	Stripe access (Sprint)	Stripe records	93	
42	2/8/2016	10:50		Baggett texts Shephard's phone	CDR	97	
43	2/8/2016	10:56	10:56	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
44	2/8/2016	10:56		Baggett texts Shephard's phone	CDR	97	
45	2/8/2016	10:57	10:57	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)

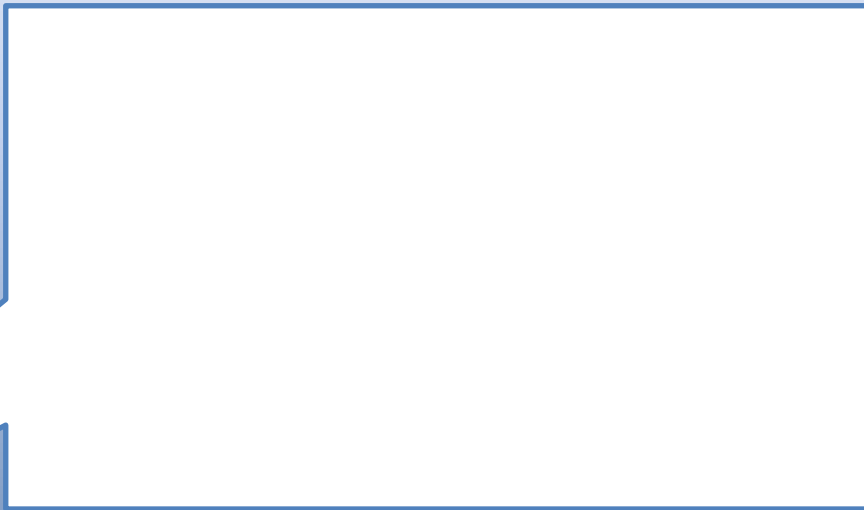


Did not log into Stripe at the library



I was not at the bank at 3:30

31	2/7/2016	21:40	21:41	Shephard's phone near apartment	CDR	97	Tower 40065
32	2/8/2016	4:45	4:46	Wright's phone near apartment	CDR	101	Tower 21023
33	2/8/2016	8:08	8:08	Wright's phone near murder	CDR	101	
34	2/8/2016	8:54	8:55	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
35	2/8/2016	8:56	9:18	Shephard's phone calls stepdad	CDR	97	From QT (exhibit 130)
36	2/8/2016	9:46	9:46	Shephard's phone calls Baggett	CDR	97	From near Cavco
37	2/8/2016	9:46	9:50	Shephard's phone calls Baggett	CDR	97	From near Cavco (only call that lasts more than 30 seconds)
38	2/8/2016	9:58	10:02	Stripe access (Sprint)	Stripe records	93	
39	2/8/2016	10:09	10:09	Shephard's phone calls stepdad	CDR	97	From near PIR (exhibit 130)
40	2/8/2016	10:30	10:31	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
41	2/8/2016	10:42	10:47	Stripe access (Sprint)	Stripe records	93	
42	2/8/2016	10:50		Baggett texts Shephard's phone	CDR	97	
43	2/8/2016	10:56	10:56	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)
44	2/8/2016	10:56		Baggett texts Shephard's phone	CDR	97	
45	2/8/2016	10:57	10:57	Shephard's phone calls Baggett	CDR	97	From near PIR (exhibit 130)





Thank you

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