

## Storm Data and Unusual Weather Phenomena - April 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### OKLAHOMA, Panhandle

#### (OK-Z001) CIMARRON, (OK-Z002) TEXAS

	04/10/19 13:45 CST	0		High Wind (MAX 54 kt)
	04/10/19 16:25 CST	0		

A deepening closed upper low over the Great Basin region tracked east across the central Rockies. This caused a surface low over the central Rockies to deepen rapidly by mid to late morning. Very strong southwesterly to westerly winds started as early as late morning, and peaked in the late afternoon to early evening. The highest wind gust recorded was 62 MPH just 2 miles West of Guymon. There were also a few 40+ MPH sustained winds observed. The majority of the high winds occurred in the TX Panhandle, but we still observed high winds in the OK Panhandle as well.

### TEXAS, North Panhandle

#### HUTCHINSON COUNTY --- 5.6 E FRITCH [35.63, -101.50]

	04/03/19 15:40 CST	0		Thunderstorm Wind (EG 52 kt)
	04/03/19 15:40 CST	0		Source: Public

Greater than 2" diameter tree limbs down.

#### DONLEY COUNTY --- 9.0 S CLARENDON [34.80, -100.90]

	04/03/19 15:43 CST	0		Hail (1.00 in)
	04/03/19 15:43 CST	0		Source: Law Enforcement

#### HUTCHINSON COUNTY --- 5.5 WSW BORGER [35.64, -101.47]

	04/03/19 15:47 CST	0		Hail (1.00 in)
	04/03/19 15:47 CST	0		Source: Trained Spotter

#### ROBERTS COUNTY --- 31.0 NNW CODMAN [36.04, -101.00]

	04/03/19 16:30 CST	0		Hail (0.88 in)
	04/03/19 16:30 CST	0		Source: Trained Spotter

#### DONLEY COUNTY --- 5.1 SSW GILES [34.75, -100.56]

	04/03/19 16:33 CST	0		Hail (1.00 in)
	04/03/19 16:33 CST	0		Source: Public

Hail was in size of dimes with a few quarters along Highway 287.

#### COLLINGSWORTH COUNTY --- 7.5 NW DOZIER [35.16, -100.44]

	04/03/19 19:57 CST	0		Hail (1.50 in)
	04/03/19 19:57 CST	0		Source: Broadcast Media

#### WHEELER COUNTY --- SHAMROCK [35.22, -100.25]

	04/03/19 20:11 CST	0		Hail (0.75 in)
	04/03/19 20:11 CST	0		Source: Trained Spotter

An upper level disturbance moved through eastern New Mexico the afternoon on the 3rd. Downstream of the upper level system, a dryline was setting up across the eastern TX Panhandle and along this boundary with converging winds and instability, thunderstorms were able to develop. Some thunderstorms reached severe limits with hail up to ping pong ball size and damaging winds gusts also reported.

#### (TX-Z003) HANSFORD, (TX-Z004) OCHILTREE, (TX-Z006) HARTLEY, (TX-Z007) MOORE, (TX-Z008) HUTCHINSON, (TX-Z009) ROBERTS, (TX-Z010) HEMPHILL, (TX-Z011) OLDHAM, (TX-Z012) POTTER, (TX-Z013) CARSON, (TX-Z014) GRAY, (TX-Z016) DEAF SMITH, (TX-Z017) RANDALL COUNTY, (TX-Z018) ARMSTRONG, (TX-Z019) DONLEY, (TX-Z020) COLLINGSWORTH

	04/10/19 09:18 CST	0		High Wind (MAX 61 kt)
	04/10/19 17:16 CST	0		

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A deepening closed upper low over the Great Basin region tracked east across the central Rockies. This caused a surface low over the central Rockies to deepen rapidly by mid to late morning. Very strong southwesterly to westerly winds started as early as late morning, and peaked in the late afternoon to early evening. Highest wind gust recorded was 67 MPH just 2 miles NW of Lake McClellan. Power poles were reported to be downed in other areas, so higher gusts are certainly possible. In addition to multiple 60+ MPH wind gusts, there were several 40+ MPH sustained winds observed.

**ARMSTRONG COUNTY --- 0.9 NE GOODNIGHT [35.04, -101.19]**

04/17/19 12:46 CST	0	Hail (1.00 in)
04/17/19 12:46 CST	0	Source: Public

Hail from dimes to quarters reported, accumulating up to an inch deep in spots.

**ARMSTRONG COUNTY --- 7.7 SE GOODNIGHT [34.94, -101.12]**

04/17/19 12:46 CST	0	Hail (1.00 in)
04/17/19 12:46 CST	0	Source: Public

Hail from dimes to quarters reported, accumulating up to an inch deep in spots.

**DONLEY COUNTY --- 2.8 SSE HOWARDWICK [35.03, -100.91]**

04/17/19 13:13 CST	0	Hail (1.00 in)
04/17/19 13:13 CST	0	Source: Fire Department/Rescue

Accumulating hail between dime and quarter size.

**DONLEY COUNTY --- 1.8 ESE HOWARDWICK [35.06, -100.89]**

04/17/19 13:18 CST	0	Hail (1.00 in)
04/17/19 13:18 CST	0	Source: Public

**DONLEY COUNTY --- 2.1 SSE HOWARDWICK [35.04, -100.91]**

04/17/19 13:32 CST	0	Hail (1.00 in)
04/17/19 13:32 CST	0	Source: Fire Department/Rescue

Accumulating hail several inches deep.

**DONLEY COUNTY --- 2.6 SE HOWARDWICK [35.04, -100.89], 3.5 SSE HOWARDWICK [35.03, -100.89], 3.4 SSE HOWARDWICK [35.03, -100.89], 2.0 SE HOWARDWICK [35.05, -100.90]**

04/17/19 13:32 CST	0	Flood (due to Heavy Rain)
04/17/19 13:32 CST	0	Source: Fire Department/Rescue

Water over roadway on Texas highway 70 in Howardwick, accumulating hail several inches deep.

**GRAY COUNTY --- MC LEAN [35.23, -100.60]**

04/17/19 13:44 CST	0	Hail (0.75 in)
04/17/19 13:44 CST	0	Source: Broadcast Media

**DONLEY COUNTY --- 17.5 E JERICHO [35.18, -100.61]**

04/17/19 13:46 CST	0	Hail (1.75 in)
04/17/19 13:46 CST	0	Source: Law Enforcement

**DONLEY COUNTY --- 18.1 E JERICHO [35.15, -100.60]**

04/17/19 13:47 CST	0	Hail (1.25 in)
04/17/19 13:47 CST	0	Source: NWS Employee

**GRAY COUNTY --- 2.8 S MC LEAN [35.19, -100.60]**

04/17/19 13:51 CST	0	Hail (1.00 in)
04/17/19 13:51 CST	0	Source: NWS Employee

Tweet from NWS Employee reporting hail accumulating hail up to the size of quarters.

**WHEELER COUNTY --- 2.1 NNW TWITTY [35.35, -100.24]**

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	04/17/19 14:11 CST		0	Hail (2.00 in)
	04/17/19 14:11 CST		0	Source: Trained Spotter
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<b>DEAF SMITH COUNTY --- 0.6 W SIMMS [35.03, -102.67]</b>				
	04/17/19 14:17 CST		0	Hail (1.00 in)
	04/17/19 14:17 CST		0	Source: Emergency Manager
Accumulating hail reported just west of Simms area.				
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<b>HEMPHILL COUNTY --- 1.8 NE CANADIAN [35.92, -100.36]</b>				
	04/17/19 14:26 CST		0	Hail (1.75 in)
	04/17/19 14:26 CST		0	Source: Trained Spotter
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<b>HEMPHILL COUNTY --- 0.7 N CANADIAN [35.91, -100.38]</b>				
	04/17/19 14:28 CST		0	Hail (1.00 in)
	04/17/19 14:28 CST		0	Source: Fire Department/Rescue
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<b>HEMPHILL COUNTY --- 4.4 WSW GLAZIER [35.97, -100.30], 5.5 NNE CANADIAN [35.97, -100.34]</b>				
	04/17/19 14:39 CST		0	Tornado (EFU, L: 2.43 mi , W: 30 yd)
	04/17/19 14:54 CST		0	Source: Broadcast Media
Channel 9 OKC live broadcast of a tornado touchdown. NWS survey information suggests the tornado touchdown first occurred about 3 miles southwest of Glazier at 0339 pm and lifted around 0354 pm approximately 5 miles north northeast of Canadian. The tornado was rated EF-Unknown since no damage was observed. The tornado track and times were based on several reports and radar data.				
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<b>DONLEY COUNTY --- 1.4 N CLARENDON [34.95, -100.90]</b>				
	04/17/19 14:42 CST		0	Hail (1.25 in)
	04/17/19 14:42 CST		0	Source: Trained Spotter
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<b>WHEELER COUNTY --- 3.6 NNE KELTON [35.45, -100.10]</b>				
	04/17/19 14:45 CST		0	Hail (2.00 in)
	04/17/19 14:45 CST		0	Source: Trained Spotter
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<b>WHEELER COUNTY --- 4.0 NE KELTON [35.44, -100.07]</b>				
	04/17/19 14:52 CST		0	Hail (1.00 in)
	04/17/19 14:52 CST		0	Source: Public
Report received of quarter size hail from MPing.				
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<b>HEMPHILL COUNTY --- 2.4 N GLAZIER [36.03, -100.23], 6.2 NNE GLAZIER [36.08, -100.18]</b>				
	04/17/19 14:54 CST		0	Tornado (EF0, L: 4.13 mi , W: 40 yd)
	04/17/19 15:21 CST		0	Source: Fire Department/Rescue
Multiple sources reported a tornado touchdown. NWS survey information suggests the tornado touchdown began at 0354 PM 2 miles northeast of Glazier in Hemphill County and lifted at 0421 PM approximately 6 miles northeast of Glazier in Lipscomb County. A few trees were damaged along highway 60 southwest of Coburn, and some large tree limbs were snapped. The tornado was rated EF-0 with an estimated peak wind speed of 75 MPH.				
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<b>ROBERTS COUNTY --- 26.6 NNW CODMAN [35.99, -100.95]</b>				
	04/17/19 15:03 CST		0	Hail (1.00 in)
	04/17/19 15:03 CST		0	Source: Trained Spotter
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<b>LIPSCOMB COUNTY --- 4.8 SW HIGGINS [36.07, -100.07], 4.7 SW HIGGINS [36.08, -100.09]</b>				
	04/17/19 15:29 CST		0	Tornado (EFU, L: 1.06 mi , W: 30 yd)
	04/17/19 15:32 CST		0	Source: Broadcast Media
Broadcast media and multiple spotters reported a new tornado touchdown near Higgins, TX. NWS survey information suggests the tornado touchdown first occurred about 4 miles southwest of Higgins at 0429 PM and lifted at 0432 PM approximately 4 miles southwest of Higgins. The tornado was rated EF-Unknown since no damage was observed. The tornado track and times were based on spotter reports and radar data.				
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<b>COLLINGSWORTH COUNTY --- 2.1 NNE DOZIER [35.11, -100.34]</b>				

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	04/17/19 15:55 CST		0	Hail (1.75 in)
	04/17/19 15:55 CST		0	Source: Trained Spotter
Late report of golf ball size hail near Dozier.				
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<b>CARSON COUNTY --- 5.8 WSW PANHANDLE [35.31, -101.47]</b>				
	04/17/19 16:02 CST		0	Hail (0.75 in)
	04/17/19 16:02 CST		0	Source: Trained Spotter
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<b>CARSON COUNTY --- 7.1 SE PANTEX [35.25, -101.50], 7.5 SSE PANTEX [35.23, -101.52]</b>				
	04/17/19 16:05 CST		0	Tornado (EFU, L: 1.97 mi , W: 20 yd)
	04/17/19 16:19 CST		0	Source: Broadcast Media
Landspout reported by broadcast media and Rick Husband International Airport. Landspout lifted 2 miles east of airport.				
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<b>CARSON COUNTY --- 4.4 SE PANTEX [35.29, -101.51]</b>				
	04/17/19 16:15 CST		0	Hail (1.25 in)
	04/17/19 16:15 CST		0	Source: Trained Spotter
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<b>POTTER COUNTY --- VALLE DE ORO [35.45, -102.11]</b>				
	04/17/19 16:17 CST		0	Hail (0.88 in)
	04/17/19 16:17 CST		0	Source: Trained Spotter
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<b>DEAF SMITH COUNTY --- 0.7 S DAWN [34.91, -102.20]</b>				
	04/17/19 16:23 CST		0	Hail (1.00 in)
	04/17/19 16:23 CST		0	Source: Trained Spotter
Accumulating hail was reported.				
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<b>WHEELER COUNTY --- 13.3 SSE KELTON [35.23, -100.01]</b>				
	04/17/19 16:35 CST		0	Hail (1.25 in)
	04/17/19 16:35 CST		0	Source: Public
Late report received of hail along interstate 40 near the Oklahoma and Texas state line.				
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<b>RANDALL COUNTY --- 6.6 NW CANYON [35.05, -102.00]</b>				
	04/17/19 16:49 CST		0	Hail (0.88 in)
	04/17/19 16:49 CST		0	Source: Trained Spotter
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<b>RANDALL COUNTY --- 6.3 WNW TIMBERCREEK CANYON [35.09, -101.92]</b>				
	04/17/19 16:53 CST		0	Hail (1.00 in)
	04/17/19 16:53 CST		0	Source: Trained Spotter
Late report of accumulating hail ranging from dimes to quarters. Ground was covered up to several inches deep.				
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<b>RANDALL COUNTY --- 7.0 NW CANYON [35.05, -102.01]</b>				
	04/17/19 16:56 CST		0	Hail (0.75 in)
	04/17/19 16:56 CST		0	Source: Trained Spotter
Accumulating hail on the ground. Lots of hail reducing visibility.				
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<b>RANDALL COUNTY --- 2.3 SW AMARILLO [35.18, -101.85], 2.4 SW AMARILLO [35.17, -101.85], 2.4 SW AMARILLO [35.17, -101.85], 2.3 SW AMARILLO [35.18, -101.85]</b>				
	04/17/19 18:00 CST		0	Flood (due to Heavy Rain)
	04/17/19 18:00 CST		0	Source: NWS Employee

South Washington street down to one lane in either direction due to water on road way. Just south of I-27. Time estimated based on radar.

**A cold front stalled across the Texas Panhandle, and was oriented from southwest to northeast over the region. The temperatures and moisture contrast along the front in-conjunction with a potent mid-level disturbance provided plenty of instability and lift for thunderstorms to develop. Sufficient wind shear allowed for supercells to develop and some of these storms produced large hail up to**

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2" in diameter and tornadoes. Some storms produced accumulating hail with some locations several inches deep. As a result of the rapid melting of hail and heavy rainfall, flooding was also reported. Three tornadoes and one landspout were reported. Two tornadoes and the landspout had an EF-unknown rating as they remained in open grasslands and did not cause any damage. One tornado had an EF-0 rating with tree damage and large tree branches snapped.

**OLDHAM COUNTY --- 8.0 NNE VEGA [35.36, -102.38]**

	04/27/19 17:02 CST	0	Hail (1.50 in)
	04/27/19 17:02 CST	0	Source: Public

Late report of ping pong ball size hail on Highway 385 north of Vega.

**RANDALL COUNTY --- 0.9 NW LAKE TANGLEWOOD [35.07, -101.79]**

	04/27/19 18:27 CST	0	Hail (0.75 in)
	04/27/19 18:27 CST	0	Source: NWS Employee

A supercell developed in NW Oldham County and re-strengthened as it approached the town of Vega. The very high based supercell storm dropped hail of ping pong ball sized near Vega, TX before slowly weakening and then dissipating over central Randall County, TX near the town of Canyon.

**RANDALL COUNTY --- 7.6 WSW AMARILLO [35.15, -101.94]**

	04/30/19 08:54 CST	0	Hail (1.00 in)
	04/30/19 08:54 CST	0	Source: Public

Spotter network report quarter size hail.

**RANDALL COUNTY --- 7.1 WSW AMARILLO [35.15, -101.93]**

	04/30/19 08:57 CST	0	Hail (1.00 in)
	04/30/19 08:57 CST	0	Source: NWS Employee

NWS employee report of quarter size hail.

**RANDALL COUNTY --- 6.6 WSW AMARILLO [35.15, -101.92]**

	04/30/19 08:58 CST	0	Hail (1.75 in)
	04/30/19 08:58 CST	0	Source: Public

NBC broadcast media relayed public report of golf ball size hail.

**RANDALL COUNTY --- 4.2 WSW AMARILLO [35.18, -101.89]**

	04/30/19 08:59 CST	0	Hail (1.50 in)
	04/30/19 08:59 CST	0	Source: Public

Ping pong ball size hail reported at Crockett Middle School.

**RANDALL COUNTY --- 6.5 WSW AMARILLO [35.17, -101.93]**

	04/30/19 09:00 CST	0	Hail (1.00 in)
	04/30/19 09:00 CST	0	Source: Broadcast Media

NBC meteorologist reported nickels to quarter sized hail.

**POTTER COUNTY --- 1.1 W AMARILLO [35.20, -101.84]**

	04/30/19 09:03 CST	0	Hail (1.00 in)
	04/30/19 09:03 CST	0	Source: Broadcast Media

**RANDALL COUNTY --- 5.3 WSW AMARILLO [35.16, -101.90]**

	04/30/19 09:03 CST	0	Hail (1.00 in)
	04/30/19 09:03 CST	0	Source: Public

Quarter size hail reported via Twitter.

**POTTER COUNTY --- 4.0 W AMARILLO [35.20, -101.89]**

	04/30/19 09:04 CST	0	Hail (0.75 in)
	04/30/19 09:04 CST	0	Source: Trained Spotter

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Spotter network report of penny size hail.				
<b>RANDALL COUNTY --- 5.3 WSW AMARILLO [35.16, -101.90]</b>				
	04/30/19 09:04 CST	0		Hail (0.75 in)
	04/30/19 09:04 CST	0		Source: Public
MPING report of penny size hail.				
<b>RANDALL COUNTY --- 7.6 WSW AMARILLO [35.15, -101.94]</b>				
	04/30/19 09:17 CST	0		Hail (1.75 in)
	04/30/19 09:17 CST	0		Source: NWS Employee
NWS employee reported golf ball size hail near Hillside and Soncy rd.				
<b>WHEELER COUNTY --- 11.9 E SHAMROCK [35.23, -100.04]</b>				
	04/30/19 10:00 CST	0		Hail (1.00 in)
	04/30/19 10:00 CST	0		Source: Public
<b>HUTCHINSON COUNTY --- 1.1 W BORGER [35.67, -101.40]</b>				
	04/30/19 10:13 CST	0		Hail (0.75 in)
	04/30/19 10:13 CST	0		Source: Fire Department/Rescue
Borger fire dept reported accumulating hail ranging from pea to dime size.				
<b>HUTCHINSON COUNTY --- 1.3 WSW BORGER [35.66, -101.40]</b>				
	04/30/19 10:16 CST	0		Hail (0.75 in)
	04/30/19 10:16 CST	0		Source: Trained Spotter
Penny sized hail in SW Borger.				
<b>WHEELER COUNTY --- 0.9 SW KELTON [35.39, -100.13]</b>				
	04/30/19 10:27 CST	0		Hail (0.88 in)
	04/30/19 10:27 CST	0		Source: Trained Spotter

A morning large hail event occurring between 10 AM CDT and noon. Although surface temperatures were only in the mid to upper 40s at the time (quite uncharacteristic for a large hail event), very strong elevated instability existed above the cool air near the surface along with significant wind shear. A strong mid level trough moving east into the region triggered elevated supercell thunderstorms that produced large hail in some areas. Hail up to golf ball sized occurred in Amarillo as these storms moved through the region.