

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, South Panhandle				
BRISCOE COUNTY --- 7.0 ESE SILVERTON [34.43, -101.19]				
	06/04/20 02:05 CST	0		Thunderstorm Wind (MG 52 kt)
	06/04/20 02:05 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet station near Silverton measured a wind gust to 60 mph.				
Scattered thunderstorms moved out of the south-central Texas Panhandle during the early morning hours of the fourth. As these storms decreased in intensity, they produced a severe wind gust to 60 mph near Silverton (Briscoe County).				
BRISCOE COUNTY --- 7.0 ESE SILVERTON [34.43, -101.19]				
	06/04/20 16:10 CST	0		Thunderstorm Wind (MG 63 kt)
	06/04/20 16:10 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Silverton measured a wind gust to 72 mph.				
BRISCOE COUNTY --- CAPROCK CANYONS STATE PARK [34.41, -101.07]				
	06/04/20 16:23 CST	0		Thunderstorm Wind (MG 52 kt)
	06/04/20 16:24 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Caprock Canyons State Park measured a peak wind gust of 60 mph at 1624 CST. Severe winds gusts were observed from 1623 through 1624 CST.				
HALE COUNTY --- 5.0 E PLAINVIEW [34.20, -101.61]				
	06/04/20 17:08 CST	0		Hail (0.75 in)
	06/04/20 17:08 CST	0		Source: Broadcast Media
CHILDRESS COUNTY --- (CDS)CHILDRESS ARPT [34.43, -100.30]				
	06/04/20 17:38 CST	0		Thunderstorm Wind (MG 50 kt)
	06/04/20 17:38 CST	0		Source: ASOS
The Automated Surface Observing System at Childress Municipal Airport measured a wind gust to 58 mph.				
FLOYD COUNTY --- 8.0 W FLOYDADA [33.98, -101.47], 2.9 WNW MC COY [33.88, -101.48]				
	06/04/20 17:50 CST	0		Hail (2.00 in)
	06/04/20 17:50 CST	0		Source: Social Media
Reports on social media depicted hail up to two inches in diameter from about eight miles west of Floydada to about nine miles southwest of Floydada.				
CROSBY COUNTY --- 1.2 ENE ESTACADO [33.78, -101.50]				
	06/04/20 18:00 CST	0		Hail (1.75 in)
	06/04/20 18:00 CST	0		Source: Broadcast Media
Local broadcast media relayed a report of golf ball size hail west of Cone.				
CROSBY COUNTY --- RALLS [33.68, -101.38], 1.0 SE RALLS [33.67, -101.37]				
	06/04/20 18:30 CST	0		Thunderstorm Wind (MG 54 kt)
	06/04/20 18:35 CST	0		Source: Mesonet
A Texas Tech University West Texas mesonet site near Ralls measured a wind gust to 62 mph. Additionally, reports from the Ralls Fire Department and social media showed wind damage in and around the city of Ralls. Multiple power poles and a tractor trailer were blown over as well as an irrigation center pivot.				
CROSBY COUNTY --- RALLS [33.68, -101.38]				
	06/04/20 18:32 CST	0		Hail (1.75 in)
	06/04/20 18:32 CST	0		Source: Fire Department/Rescue
In addition to reporting wind damage in Ralls, the Ralls Fire Department reported hail up to golf ball size.				
CROSBY COUNTY --- 0.6 SE ROBERTSON [33.56, -101.51]				

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	06/04/20 18:56 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/20 18:56 CST		0	Source: Public

A report was received of roof damage about seven miles northwest of Caprock.

(TX-Z028) LAMB

	06/04/20 19:25 CST		0	High Wind (MAX 50 kt)
	06/04/20 19:25 CST		0	

LUBBOCK COUNTY --- (LBB)LUBBOCK INTL AR [33.67, -101.82], 2.1 NNE UNION [33.45, -101.76]

	06/04/20 20:20 CST		0	Thunderstorm Wind (MG 67 kt)
	06/04/20 20:40 CST		0	Source: ASOS

Thunderstorms developed on outflow boundaries in the central South Plains and rapidly intensified as these storms approached the city of Lubbock. A large swath of severe winds affected the area from Lubbock Preston Smith International Airport (KLBB) south-southeastward to about County Road 7600. An initial report of a wind gust to 77 mph was reported by the Automated Surface Observing System at KLBB at 2020 CST. Additional wind reports were observed by the Texas Tech University West Texas mesonet at Reese Center at 2027 CST (69 mph), Texas Tech University at 2030 CST (72 mph), and Slaton at 2040 CST (60 mph). Law enforcement in Lubbock County also reported that 50 poles were down on the east side of the city of Lubbock. A tree was blown over onto a house near the intersection of 54th Street and Gary Avenue which damaged the home and displaced the resident of the home.

LUBBOCK COUNTY --- 7.0 SSW LUBBOCK [33.49, -101.90]

	06/04/20 20:38 CST		0	Hail (0.75 in)
	06/04/20 20:38 CST		0	Source: NWS Employee

GARZA COUNTY --- 1.0 S SOUTHLAND [33.34, -101.55], POST [33.18, -101.38]

	06/04/20 20:58 CST		0	Thunderstorm Wind (MG 63 kt)
	06/04/20 21:30 CST		0	Source: Mesonet

A swath of wind damage was observed from just south of Southland along US Highway 84 into Post. Several transmission power poles were downed within this swath. The Garza County Sheriff's Office relayed numerous reports of wind damage in and around Post including outbuilding flattened, carports lifted, roofs damage, and a tractor trailer flipped over. The Texas Tech University West Texas mesonet site one mile northeast of Post reported a peak wind gust of 73 mph at 2120 CST. Severe winds were observed from 2110 through 2130 CST.

LYNN COUNTY --- 3.0 NNE TAHOKA [33.22, -101.76]

	06/04/20 21:04 CST		0	Thunderstorm Wind (MG 52 kt)
	06/04/20 21:04 CST		0	Source: Mariner

A Texas Tech University West Texas mesonet site near Tahoka measured a wind gust to 60 mph.

GARZA COUNTY --- 4.0 N POST [33.24, -101.38], 4.3 NNW POST [33.24, -101.40], 5.3 NNW POST [33.25, -101.40], 5.0 N POST [33.25, -101.38]

	06/04/20 21:15 CST		10K	Flood (due to Heavy Rain)
	06/05/20 00:15 CST		0	Source: Social Media

Very heavy rainfall affected a portion of Texas State Highway 207 approximately four to five miles north of Post. Photos from social media showed that the road was damaged and impassable.

GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]

	06/04/20 21:25 CST		0	Thunderstorm Wind (MG 82 kt)
	06/04/20 21:45 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet near Graham measured a peak wind gust of 94 mph at 2140 CST. Severe wind gusts were observed from 2125 through 2145 CST.

Very hot temperatures combined with a weak upper level disturbance, abundant moisture, and instability led to the development of thunderstorms on the afternoon of the fourth. These thunderstorms produced widespread wind damage and large hail. The hot and well mixed lower atmosphere and high-based nature of the thunderstorms provided ideal conditions for the generation of strong and severe wind gusts. Scattered thunderstorms initially developed in the Texas Panhandle along a surface trough and tracked to the south and southeast through the evening.

The first reports of severe weather were from Briscoe County with wind gusts up to 72 mph near Silverton. These initial thunderstorms then accelerated to the south forming a strong cold pool out ahead of the storms. Storms repeatedly formed along outflow boundaries in the central South Plains and quickly raced southward. One of these storms produced large hail up to two inches in diameter in Floyd County. This particular storm went on to produce wind damage in Ralls (Crosby County) and finally in Post (Garza

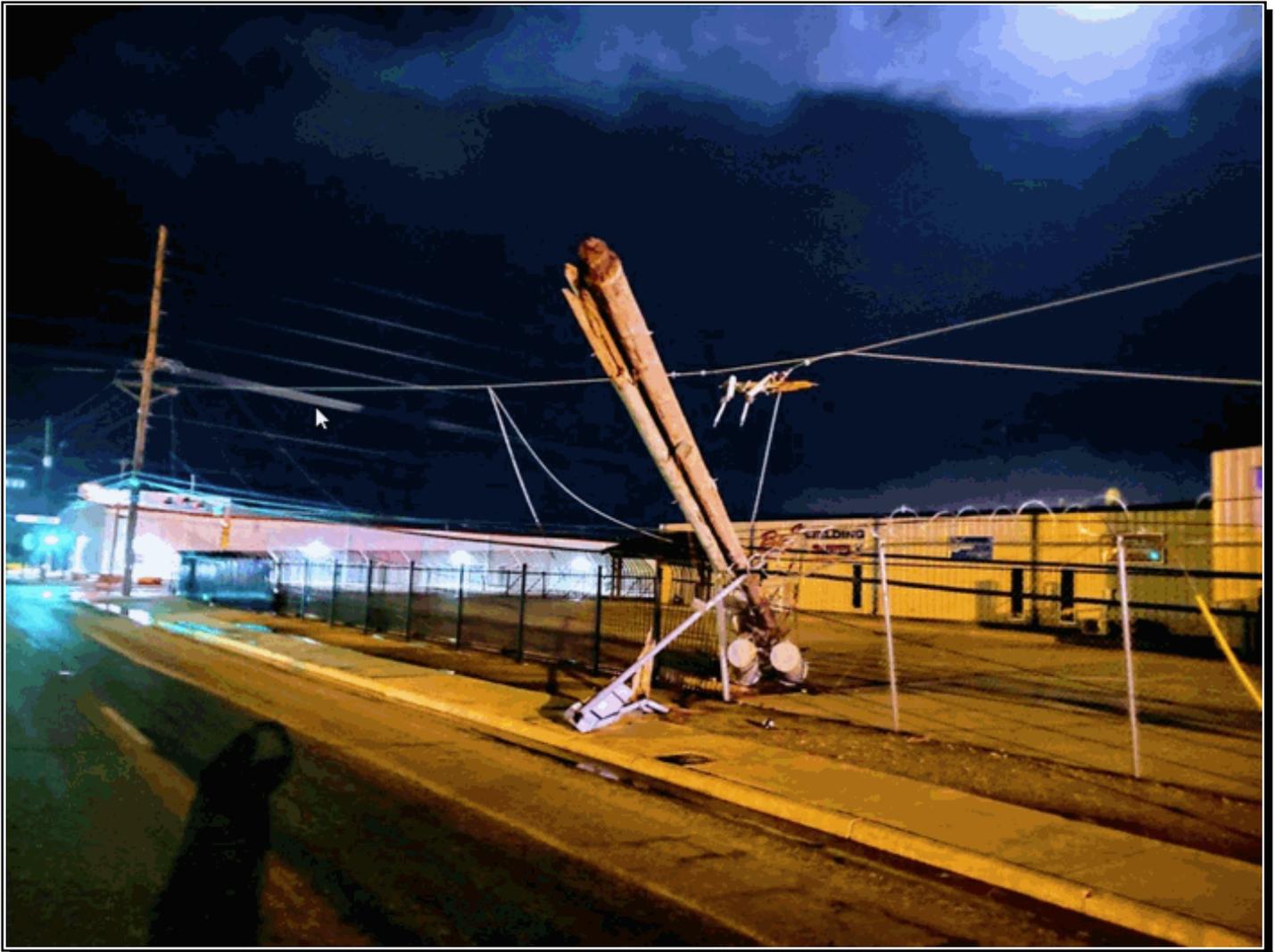
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County). In far southwestern Garza County, this storm produced a wind gust to 94 mph near Graham. High precipitable water values contributed to flooding in Garza County along Texas State Highway 207 north of Post. Reports on social media showed the road had been damaged and impassable due to flooding.

Additional thunderstorms developed across the central South Plains and rushed southward from Hale into Lubbock and Lynn Counties. A large swath of severe winds initially affected a portion of Lubbock County and the city of Lubbock. The first severe wind gust was reported by the Automated Surface Observing System at Lubbock Preston Smith International Airport at 2020 CST. The Texas Tech University West Texas mesonet recorded additional severe wind gusts at Reese Center, Texas Tech University, and Slaton. These severe winds mostly affected the eastern portion of the city of Lubbock. In total, 50 power poles were downed along with a tree that fell onto and damaged a residence.

Thunderstorm outflow winds well ahead of the thunderstorms produced a severe wind gust to 58 mph at Amherst (Lamb County) at 1925 CST measured by the Texas Tech University West Texas mesonet.



Downed power pole near 1600 East and 50th Street in Lubbock Thursday evening. The image is courtesy of Wood Franklin.

LAMB COUNTY --- 9.0 WSW EARTH [34.18, -102.55]

06/17/20 15:55 CST	0	Thunderstorm Wind (MG 62 kt)
06/17/20 15:59 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Earth measured a peak wind gust of 71 mph at 1556 CST. Severe wind gusts were measured from 1555 CST to 1559 CST.

TERRY COUNTY --- BROWNFIELD [33.18, -102.28]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/17/20 17:35 CST		0	Thunderstorm Wind (EG 91 kt)
	06/17/20 17:45 CST		0	Source: NWS Storm Survey

A NWS storm survey revealed that a wet microburst hit the southern portion of the town of Brownfield from approximately 1735 to 1745 CST. Very intense winds leaned over or snapped off numerous power poles, damaged several mobile homes, and destroyed one mobile home. Two center pivots were also destroyed and numerous car windows were broken at the Rudd Correctional Facility. Given the magnitude of the damage, a National Weather Service damage survey team estimated that peak wind gusts of 100 to 105 mph likely affected the area.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]

06/17/20 17:45 CST	0	Thunderstorm Wind (MG 53 kt)
06/17/20 17:45 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Wolfforth measured a wind gust to 61 mph.

HALE COUNTY --- 5.0 ENE ABERNATHY [33.86, -101.77]

06/17/20 18:10 CST	0	Thunderstorm Wind (MG 60 kt)
06/17/20 18:25 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Abernathy measured a peak wind gust to 69 mph at 1820 CST. Severe wind gusts were measured over a 15 minute span from 1810 through 1825 CST.

LYNN COUNTY --- NEW HOME [33.32, -101.92]

06/17/20 18:19 CST	0	Thunderstorm Wind (MG 62 kt)
06/17/20 18:21 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near New Home measured a peak wind gust of 71 mph at 1820 CST. Severe wind gusts were measured from 1819 CST to 1821 CST.

LYNN COUNTY --- 3.0 NNE TAHOKA [33.22, -101.76]

06/17/20 18:40 CST	0	Thunderstorm Wind (MG 57 kt)
06/17/20 18:43 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Tahoka measured a peak wind gust of 66 mph at 1842 CST. Severe wind gusts were measured at 1840 CST and from 1842 to 1843 CST.

GARZA COUNTY --- 5.4 SSW GRAHAM CHAPEL [33.08, -101.52]

06/17/20 19:15 CST	0	Thunderstorm Wind (MG 60 kt)
06/17/20 19:25 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Graham measured a peak wind gust of 69 mph at 1920 CST. Severe wind gusts were observed between 1915 and 1925 CST.

Hot temperatures, a dryline, and a weak upper level disturbance were sufficient to initiate a broken line of thunderstorms across the western South Plains on the afternoon of the 17th. The storms accelerated eastward producing brief heavy rain and strong to severe wind gusts as they moved across the Caprock through the late afternoon and evening. The most significant storm affected the southern portion of the town of Brownfield (Terry County). Reported damage was significant enough to warrant an NWS storm survey the next day. This storm survey revealed a wet microburst with estimated winds of 100 to 105 mph affecting Brownfield. Numerous power poles and mobile homes were damaged, and one mobile home was destroyed. Two center pivots were also destroyed and numerous car windows were broken at the Rudd Correctional Facility.

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A wet microburst caused numerous power poles to snap off and lean over in Brownfield. Picture courtesy of Brownfield Police Chief Tony Serbantez.

DICKENS COUNTY --- 3.0 NNW MC ADOO [33.77, -101.00]

06/19/20 17:55 CST	0	Thunderstorm Wind (MG 60 kt)
06/19/20 18:15 CST	0	Source: Mesonet

A Texas Tech University West Texas mesonet site near McAdoo measured a peak wind gust of 69 mph at 1800 CST. Severe wind gusts were intermittently reported from 1755 CST through 1815 CST.

CROSBY COUNTY --- 7.5 SSE CROSBYTON MUNI ARPT [33.53, -101.17]

Storm Data and Unusual Weather Phenomena - June 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/19/20 18:30 CST		0	Thunderstorm Wind (MG 57 kt)
	06/19/20 18:30 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet station near White River Lake measured a wind gust to 66 mph.

CROSBY COUNTY --- 2.0 SSW CROSBYTON [33.64, -101.26]

	06/19/20 23:45 CST		0	Hail (1.50 in)
	06/19/20 23:45 CST		0	Source: Public

A delayed public report was received of ping pong ball sized hail with an early morning isolated thunderstorm.

Thunderstorms developed across the western South Plains on the afternoon of the 19th despite large scale subsidence from a departing short wave. These scattered thunderstorms congealed into an MCS as they approached the Rolling Plains. This MCS produced severe winds up to 69 mph in Dickens and Crosby Counties. Late on the 19th into the early morning hours of the 20th, isolated thunderstorms developed above the cool but humid outflow air over the Rolling Plains. One of these storms produced hail to ping pong ball size in Crosbyton (Crosby County).

CHILDRESS COUNTY --- 3.2 S ARLIE [34.67, -100.08]

	06/20/20 22:27 CST		0	Hail (1.75 in)
	06/20/20 22:27 CST		0	Source: Trained Spotter

A trained spotter reported golf ball size hail along US Highway 62 in far northeastern Childress County.

An upper level short wave trough moving across the Texas Panhandle combined with low level isentropic lift to create a single isolated thunderstorm. This storm initiated in Collingsworth County and then moved into far northeastern Childress County. A trained spotter reported hail up to golf ball size along US Highway 62 near the Texas/Oklahoma state line.

LAMB COUNTY --- 9.0 WSW EARTH [34.18, -102.55]

	06/22/20 21:25 CST		0	Thunderstorm Wind (MG 51 kt)
	06/22/20 21:25 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Earth measured a wind gust to 59 mph ahead of the main line of thunderstorms.

LAMB COUNTY --- 9.0 WSW EARTH [34.18, -102.55]

	06/22/20 21:41 CST		0	Thunderstorm Wind (MG 55 kt)
	06/22/20 21:43 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Earth measured a peak wind gust to 63 mph at 2143 CST with the main line of thunderstorms. Severe wind gusts were measured from 2141 CST through 2143 CST.

COCHRAN COUNTY --- 1.0 ENE MORTON [33.73, -102.75]

	06/22/20 21:45 CST		0	Thunderstorm Wind (MG 67 kt)
	06/22/20 21:50 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Morton measured a peak wind gust of 77 mph at 2145 CST. Severe winds were observed from 2145 through 2150 CST.

LAMB COUNTY --- LITTLEFIELD [33.92, -102.32]

	06/22/20 22:10 CST		0	Thunderstorm Wind (EG 56 kt)
	06/22/20 22:10 CST		0	Source: Law Enforcement

Law enforcement in Lamb County reported several power poles blown down in the city of Littlefield.

COCHRAN COUNTY --- 14.6 S WHITEFACE [33.39, -102.61]

	06/22/20 22:25 CST		0	Thunderstorm Wind (MG 57 kt)
	06/22/20 22:30 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Sundown measured a peak wind gust of 66 mph at 2230 CST. Severe winds were measured from 2225 through 2230 CST.

HOCKLEY COUNTY --- 4.0 S LEVELLAND [33.52, -102.37]

	06/22/20 22:40 CST		0	Thunderstorm Wind (MG 58 kt)
	06/22/20 22:45 CST		0	Source: Mesonet

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A Texas Tech University West Texas mesonet site near Levelland measured a peak wind gust of 67 mph at 2240 CST. Severe winds were measured from 2240 through 2245 CST.				

HOCKLEY COUNTY --- SMYER [33.58, -102.17]

	06/22/20 22:42 CST		0	Thunderstorm Wind (MG 62 kt)
	06/22/20 22:52 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Smyer measured a peak wind gust of 71 mph at 2245 CST. Severe winds were measured from 2242 through 2252 CST.

CROSBY COUNTY --- 6.0 NW WHITE RIVER LAKE [33.52, -101.16]

	06/22/20 22:55 CST		0	Thunderstorm Wind (MG 59 kt)
	06/22/20 23:10 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near White River Lake measured a peak wind gust of 68 mph at 2305 CST. Severe winds were measured from 2255 through 2310 CST.

LUBBOCK COUNTY --- 6.0 SSW WOLFFORTH [33.42, -102.06]

	06/22/20 23:05 CST		0	Thunderstorm Wind (MG 52 kt)
	06/22/20 23:05 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near Wolfforth measured a wind gust of 60 mph.

LYNN COUNTY --- NEW HOME [33.32, -101.92]

	06/22/20 23:19 CST		0	Thunderstorm Wind (MG 50 kt)
	06/22/20 23:20 CST		0	Source: Mesonet

A Texas Tech University West Texas mesonet site near New Home measured a wind gust to 58 mph from 2319 through 2320 CST.

On the afternoon of the 22nd, thunderstorms developed on the higher terrain of northeastern New Mexico within northwesterly flow aloft. This activity moved to the southeast into richer low level moisture and thus more unstable air in West Texas. As the thunderstorms approached West Texas, an MCS formed producing widespread severe winds. However, the only wind damage reported was from downed power lines in Littlefield (Lamb County).