

**M 4.0, WESTERN TEXAS**

Origin Time: Sat 2016-02-20 07:53:53 UTC (01:53:53 local)

Location: 31.22°N 103.36°W Depth: 5 km

**PAGER**  
**Version 2**

Created: 2 hours, 2 minutes after earthquake

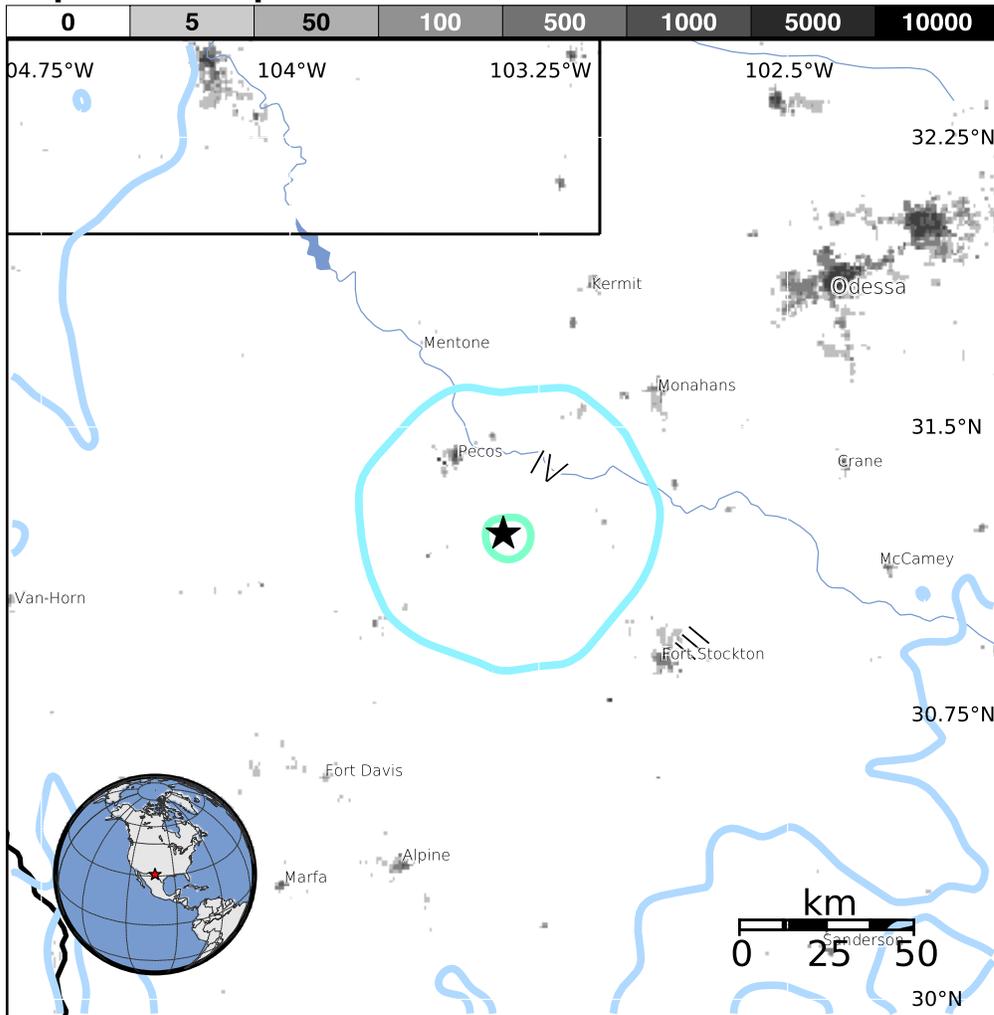


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	401k	16k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures:**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1992-01-02	126	5.0	V(4k)	0
1995-04-14	105	5.7	V(7k)	0

**Selected City Exposure**

from GeoNames.org

MMI City	Population
<b>IV Pecos</b>	9k
<b>III Mentone</b>	< 1k
<b>III Monahans</b>	7k
<b>III Fort Stockton</b>	8k
<b>III Kermit</b>	6k
<b>III West Odessa</b>	23k
<b>III Odessa</b>	100k
<b>III Andrews</b>	11k
<b>III Midland</b>	111k
<b>III Carlsbad</b>	26k
<b>III Alpine</b>	6k

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/earthquakes/eventpage/us10004raw>

Event ID: us10004raw