

*Flooding hazard:* None  
*Depth to seasonal zone of saturation:* Greater than 6 feet  
*Runoff class:* Medium  
*Ecological site:* Sandy Plains  
*Land capability (nonirrigated):* 6e

*Typical profile:*

Ap—0 to 4 inches; sandy loam  
 Bt—4 to 15 inches; sandy clay loam  
 Bk—15 to 60 inches; fine sandy loam

**Minor components**

Olney and similar soils

*Extent:* About 5 percent of the unit  
*Slope:* 5 to 12 percent  
*Drainage class:* Well drained  
*Ecological site:* Sandy Plains

Oterodry and similar soils

*Extent:* About 5 percent of the unit  
*Slope:* 5 to 9 percent  
*Drainage class:* Somewhat excessively drained  
*Ecological site:* Sandy Plains

Platner and similar soils

*Extent:* About 3 percent of the unit  
*Slope:* 0 to 3 percent  
*Drainage class:* Well drained  
*Ecological site:* Loamy Plains

Karval and similar soils

*Extent:* About 2 percent of the unit  
*Slope:* 5 to 9 percent  
*Drainage class:* Excessively drained  
*Ecological site:* Gravel Breaks

X **109—Ascalon-Haxtun complex, 0 to 3 percent slopes**

**Map Unit Composition**

Ascalon and similar soils: 55 percent  
 Haxtun and similar soils: 30 percent  
 Minor components: 15 percent

**Component Descriptions**

**Ascalon**

*MLRA:* 67—Central High Plains  
*Landform:* Plains  
*Parent material:* Eolian deposits  
*Slope:* 0 to 3 percent  
*Drainage class:* Well drained  
*Slowest permeability class:* Moderate  
*Available water capacity:* Moderate (about 8.8 inches)  
*Shrink-swell potential:* Low (about 1.5 LEP)

*Flooding hazard:* None  
*Depth to seasonal zone of saturation:* Greater than 6 feet  
*Runoff class:* Low  
*Ecological site:* Sandy Plains  
*Land capability (nonirrigated):* 3c

*Typical profile:*

Ap—0 to 4 inches; sandy loam  
 Bt—4 to 15 inches; sandy clay loam  
 Bk—15 to 60 inches; fine sandy loam

**Haxtun**

*MLRA:* 67—Central High Plains  
*Landform:* Drainageways  
*Parent material:* Alluvium and/or eolian deposits  
*Slope:* 0 to 3 percent  
*Drainage class:* Well drained  
*Slowest permeability class:* Moderately slow  
*Available water capacity:* Moderate (about 8.8 inches)  
*Shrink-swell potential:* Low (about 1.5 LEP)  
*Flooding hazard:* None  
*Depth to seasonal zone of saturation:* Greater than 6 feet  
*Runoff class:* Low  
*Ecological site:* Sandy Plains  
*Land capability (nonirrigated):* 3e

*Typical profile:*

Ap—0 to 4 inches; loamy sand  
 BA—4 to 17 inches; sandy loam  
 Bt—17 to 44 inches; sandy clay loam  
 Btkb—44 to 60 inches; silt loam

**Minor components**

Olneest and similar soils

*Extent:* About 3 percent of the unit  
*Slope:* 1 to 3 percent  
*Drainage class:* Well drained  
*Ecological site:* Sandy Plains

Otero and similar soils

*Extent:* About 3 percent of the unit  
*Slope:* 1 to 5 percent  
*Drainage class:* Somewhat excessively drained  
*Ecological site:* Sandy Plains

Platner and similar soils

*Extent:* About 3 percent of the unit  
*Slope:* 0 to 3 percent  
*Drainage class:* Well drained  
*Ecological site:* Loamy Plains

Pleasant and similar soils

*Extent:* About 3 percent of the unit  
*Slope:* 0 to 1 percent

*Drainage class:* Moderately well drained

*Ecological site:* Plains Swale

Vona and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 1 to 5 percent

*Drainage class:* Somewhat excessively drained

*Ecological site:* Sandy Plains

## 110—Ascalon-Haxtun complex, dry, 0 to 3 percent slopes

### Map Unit Composition

Ascalon and similar soils: 55 percent

Haxtun and similar soils: 30 percent

Minor components: 15 percent

### Component Descriptions

#### Ascalon

*MLRA:* 69—Upper Arkansas Valley Rolling Plains

*Landform:* Plains

*Parent material:* Eolian deposits

*Slope:* 0 to 3 percent

*Drainage class:* Well drained

*Slowest permeability class:* Moderate

*Available water capacity:* Moderate (about 8.8 inches)

*Shrink-swell potential:* Low (about 1.5 LEP)

*Flooding hazard:* None

*Depth to seasonal zone of saturation:* Greater than 6 feet

*Runoff class:* Low

*Ecological site:* Sandy Plains

*Land capability (nonirrigated):* 4c

*Typical profile:*

Ap—0 to 4 inches; sandy loam

Bt—4 to 15 inches; sandy clay loam

Bk—15 to 60 inches; fine sandy loam

#### Haxtun

*MLRA:* 69—Upper Arkansas Valley Rolling Plains

*Landform:* Drainageways

*Parent material:* Alluvium and/or eolian deposits

*Slope:* 0 to 3 percent

*Drainage class:* Well drained

*Slowest permeability class:* Moderately slow

*Available water capacity:* Moderate (about 8.8 inches)

*Shrink-swell potential:* Low (about 1.5 LEP)

*Flooding hazard:* None

*Depth to seasonal zone of saturation:* Greater than 6 feet

*Runoff class:* Low

*Ecological site:* Sandy Plains

*Land capability (nonirrigated):* 4c

*Typical profile:*

Ap—0 to 4 inches; loamy sand

BA—4 to 17 inches; sandy loam

Bt—17 to 44 inches; sandy clay loam

Btkb—44 to 60 inches; silt loam

### Minor components

Apishapa and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 0 to 3 percent

*Drainage class:* Somewhat poorly drained

*Ecological site:* Plains Swale

Karval and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 1 to 7 percent

*Drainage class:* Excessively drained

*Ecological site:* Gravel Breaks

Oterodry and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 5 to 9 percent

*Drainage class:* Somewhat excessively drained

*Ecological site:* Sandy Plains

Platner and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 0 to 3 percent

*Drainage class:* Well drained

*Ecological site:* Loamy Plains

Vonid and similar soils

*Extent:* About 3 percent of the unit

*Slope:* 1 to 5 percent

*Drainage class:* Somewhat excessively drained

*Ecological site:* Sandy Plains

### Additional feature

- Blowouts occur in areas of this map unit.

## 111—Bacid silt loam, 0 to 2 percent slopes

### Map Unit Composition

Bacid and similar soils: 85 percent

Minor components: 15 percent

### Component Descriptions

#### Bacid

*MLRA:* 69—Upper Arkansas Valley Rolling Plains

*Landform:* Plains

*Parent material:* Loess

*Slope:* 0 to 2 percent