

Map Unit Description

Weld County, Colorado, Southern Part

wells Ranch AE31
production facility

72 Vona loamy sand, 0 to 3 percent slopes

Setting

Wells Ranch USX AE 31-12 Tank

Elevation: 4600 to 5200 feet
 Mean annual precipitation: 13 to 15 inches
 Mean annual air temperature: 48 to 55 degrees F
 Frost-free period: 130 to 160 days

Composition

Vona and similar soils: 85 percent
 Minor components: 15 percent

Description of Vona**Setting**

Landform: Terraces, plains
 Down-slope shape: Linear
 Across-slope shape: Linear
 Parent material: Alluvium and/or eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
 Drainage class: Well drained
 Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
 Frequency of flooding: None
 Frequency of ponding: None
 Calcium carbonate maximum: 15 percent
 Gypsum maximum: 0 percent
 Available water capacity: Moderate (about 6.5 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
 Land capability (non irrigated): 4e
 Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: loamy sand
 6 to 28 inches: fine sandy loam
 28 to 60 inches: sandy loam

Minor Components**Remmit**

Percent of map unit: 10 percent

Valent

Percent of map unit: 5 percent