

# Map Unit Description

Bent County, Colorado

## RfB Rocky Ford clay loam, 1 to 3 percent slopes

### Setting

Elevation: 3000 to 5000 feet  
Mean annual precipitation: 11 to 14 inches  
Mean annual air temperature: 50 to 54 degrees F  
Frost-free period: 140 to 170 days

### Composition

Rocky ford and similar soils: 90 percent  
Minor components: 10 percent

### Description of Rocky ford

#### Setting

Landform: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Clayey alluvium from irrigation water over silty alluvium

#### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R069XY006CO)  
Other vegetative classification: LOAMY PLAINS (069XY006CO\_1)

#### Typical Profile

0 to 6 inches: clay loam  
6 to 12 inches: silty clay loam  
12 to 60 inches: silt loam

### Minor Components

#### Numa

Percent of map unit: 5 percent

#### Kornman

Percent of map unit: 5 percent