

BOSKY PC Z22-14  
SEC 22/T1N/R64W  
SESW

## Map Unit Description

Weld County, Colorado, Southern Part

### 18 Colby-Adena loams, 3 to 9 percent slopes

#### Setting

Elevation: 4750 to 4900 feet  
Mean annual precipitation: 12 to 16 inches  
Mean annual air temperature: 48 to 55 degrees F  
Frost-free period: 120 to 160 days

#### Composition

Colby and similar soils: 55 percent  
Adena and similar soils: 30 percent  
Minor components: 15 percent

#### Description of Colby

##### Setting

Landform: Ridges, hills, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous eolian deposits

##### Properties and Qualities

Slope: 5 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.6 inches)

##### Interpretive Groups

Land capability (non irrigated): 4e  
Ecological site: Loamy Slopes (R067BY008CO)

##### Typical Profile

0 to 7 inches: loam  
7 to 60 inches: silt loam

#### Description of Adena

##### Setting

Landform: Hills, plains, ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous eolian deposits

##### Properties and Qualities

Slope: 3 to 7 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 10.1 inches)

##### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R067BY002CO)

##### Typical Profile

0 to 6 inches: loam  
6 to 9 inches: clay loam  
9 to 60 inches: silt loam

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### Minor Components

#### Kim

Percent of map unit: 5 percent

#### Keith

Percent of map unit: 4 percent

#### Wiley

Percent of map unit: 3 percent

#### Weld

Percent of map unit: 3 percent