

Calvary USX EE29-04D  
Production Facility  
T7N R65W  
Section 29: SW1/4W

## Weld County, Colorado, Southern Part

### 64—Thedalund loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363g  
*Elevation:* 4,900 to 5,250 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Farmland of local importance

#### Map Unit Composition

*Thedalund and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Thedalund

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from shale

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 29 inches:* loam  
*H3 - 29 to 33 inches:* weathered bedrock

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately low to high (0.06 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 8.0 mmhos/cm)  
*Available water storage in profile:* Low (about 4.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4s  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy plains (R067BY002CO)

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Map Unit Description: Thedalund loam, 1 to 3 percent slopes---Weld County, Colorado, Southern Part

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#### Minor Components

Ulm

Percent of map unit: 10 percent

#### Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 13, Sep 23, 2014