

## Map Unit Description

Weld County, Colorado, Southern Part

46 Olney fine sandy loam, 0 to 1 percent slopes

WELL NAME: GITTLEIN D04-33

Setting

LEGAL: T3N R64W SEC. 4 SW/4SW/4

Elevation: 4600 to 5200 feet

Mean annual precipitation: 11 to 15 inches

Mean annual air temperature: 46 to 54 degrees F

Frost-free period: 125 to 175 days

### Composition

Olney and similar soils: 85 percent

Minor components: 15 percent

### Description of Olney

#### Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed deposit outwash

#### Properties and Qualities

Slope: 0 to 1 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: Moderate (about 7.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e

Land capability (non irrigated): 4c

Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 10 inches: fine sandy loam

10 to 20 inches: sandy clay loam

20 to 25 inches: sandy clay loam

25 to 60 inches: fine sandy loam

### Minor Components

#### Zigweid

Percent of map unit: 8 percent

#### Vona

Percent of map unit: 7 percent