

NEAREST CULTURAL ITEMS:

PAD NAME: RESOLUTION FED 12-65-29-20-7NH

LOCATED IN SE1/4 SE1/4

SECTION 29, T12N, R65W, 6TH P.M.

WELD COUNTY, COLORADO

WELL: RESOLUTION FED 12-65-29-20-6NH

BUILDING	<u>±4149</u> FT
BUILDING UNIT	<u>±4292</u> FT
PUBLIC ROAD	<u>±342</u> FT
ABOVE GROUND UTILITY	<u>±317</u> FT
RAILROAD	<u>5280+</u> FT
PROPERTY LINE	<u>±350</u> FT
HIGH OCCUPANCY BUILDING UNIT	<u>5280+</u> FT
DESIGNATED OUTSIDE ACTIVITY AREA	<u>5280+</u> FT

WELL: RESOLUTION FED 12-65-29-20-7NH

BUILDING	<u>±4178</u> FT
BUILDING UNIT	<u>±4322</u> FT
PUBLIC ROAD	<u>±343</u> FT
ABOVE GROUND UTILITY	<u>±317</u> FT
RAILROAD	<u>5280+</u> FT
PROPERTY LINE	<u>±350</u> FT
HIGH OCCUPANCY BUILDING UNIT	<u>5280+</u> FT
DESIGNATED OUTSIDE ACTIVITY AREA	<u>5280+</u> FT

RESOLUTION FED 12-65-29-20-7NH FACILITY

*MEASURED FROM FACILITY EDGE

BUILDING	<u>±3755</u> FT
BUILDING UNIT	<u>±3898</u> FT
PUBLIC ROAD	<u>±67</u> FT
ABOVE GROUND UTILITY	<u>±47</u> FT
RAILROAD	<u>5280+</u> FT
PROPERTY LINE	<u>±80</u> FT
HIGH OCCUPANCY BUILDING UNIT	<u>5280+</u> FT
DESIGNATED OUTSIDE ACTIVITY AREA	<u>5280+</u> FT

Weld County, Colorado, Northern Part

5—Ascalon sandy loam, 5 to 9 percent slopes

Map Unit Setting

National map unit symbol: 2tlmx
Elevation: 3,870 to 6,070 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 135 to 160 days
Farmland classification: Not prime farmland

Map Unit Composition

Ascalon and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ascalon

Setting

Landform: Interfluves
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Wind-reworked alluvium and/or calcareous sandy eolian deposits

Typical profile

Ap - 0 to 6 inches: sandy loam
Bt1 - 6 to 12 inches: sandy clay loam
Bt2 - 12 to 19 inches: sandy clay loam
Bk - 19 to 35 inches: sandy clay loam
C - 35 to 80 inches: sandy loam

Properties and qualities

Slope: 5 to 9 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.60 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: 10 percent
Salinity, maximum in profile: Nonsaline (0.1 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B
Ecological site: Sandy plains (R067BY024CO)

Minor Components

Stoneham

Percent of map unit: 10 percent
Landform: Interfluves
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Loamy plains (R067BY002CO)

Manter

Percent of map unit: 5 percent
Landform: Interfluves
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Sandy plains (R072XY023CO)

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 10, Sep 23, 2014

Pad Name: RESOLUTION FED 12-65-29-20CH

Wells: RESOLUTION FED 12-65-29-20-6NH
RESOLUTION FED 12-65-29-20CH
RESOLUTION FED 12-65-29-20-7NH

Location: Weld County, Colorado

Analysis Date: 03/19/2018

Analysis

Current Land Use: Rangeland 100%

Plant Communities Present in Future Disturbance Area: Native Grassland

Are Noxious Weeds Present: No

Dominant Species Present:

Common Name	Latin Name
prairie sagewort	<i>Artemisia frigida</i>
Aster	<i>Aster</i> spp.
blue grama	<i>Bouteloua gracilis</i>
needle and thread	<i>Hesperostipa comata</i>
pricklypear	<i>Opuntia polyacantha</i>
unknown perennial grass	

Note: LTE believes it has performed the services summarized in this report in a manner consistent with the level of care and skill ordinarily exercised by members of the environmental profession practicing at the same time and under similar conditions in the area of the project.

RESOLUTION FED 12-65-29-20-7NH



CAMERA ANGLE: EASTERLY
SESE SEC 29 T12N-R65W

PICTURES TAKEN MARCH 18, 2018
WELD COUNTY, CO



CAMERA ANGLE: NORTHERLY

RESOLUTION FED 12-65-29-20-7NH



CAMERA ANGLE: SOUTHERLY



CAMERA ANGLE: WESTERLY