

Map Unit Description

Crazy 8 Energy, LLC

Padilla #1

NENE, Section 9, T22S – R58W

Crowley County, Colorado

Ld—Las clay loam, sand substratum variant

Map Unit Setting

- *Elevation*: 4,000 to 5,600 feet
- *Mean annual precipitation*: 11 to 14 inches
- *Mean annual air temperature*: 50 to 54 degrees F
- *Frost-free period*: 130 to 170 days

Map Unit Composition

- *Las, sand substratum, and similar soils*: 90 percent
- *Minor components*: 10 percent

Description of Las, Sand Substratum

Setting

- *Landform*: Stream terraces, flood plains
- *Landform position (three-dimensional)*: Tread
- *Down-slope shape*: Linear
- *Across-slope shape*: Linear
- *Parent material*: Clayey alluvium from irrigation water over stratified loamy and sandy alluvium

Properties and qualities

- *Slope*: 0 to 2 percent
- *Depth to restrictive feature*: More than 80 inches
- *Drainage class*: Somewhat poorly drained
- *Capacity of the most limiting layer to transmit water (Ksat)*: Moderately high (0.20 to 0.60 in/hr)
- *Depth to water table*: About 24 to 36 inches
- *Frequency of flooding*: Occasional
- *Frequency of ponding*: None
- *Calcium carbonate, maximum content*: 15 percent
- *Maximum salinity*: Nonsaline to slightly saline (2.0 to 8.0 mmhos/cm)
- *Sodium adsorption ratio, maximum*: 5.0
- *Available water capacity*: Moderate (about 8.0 inches)

Interpretive groups

- *Farmland classification*: Prime farmland if irrigated and drained
- *Land capability classification (irrigated)*: 2w
- *Land capability (nonirrigated)*: 6w
- *Hydrologic Soil Group*: C
- *Ecological site*: Salt Meadow (R069XY030CO)
- *Other vegetative classification*: Salt Meadow (069XY030CO_1)

Typical profile

- *0 to 16 inches*: Clay loam
- *16 to 35 inches*: Clay loam
- *35 to 60 inches*: Stratified sand to loamy sand

Minor Components

Other soils

- *Percent of map unit*: 10 percent