

Notes / Comments:

Legend

- CO 683 Soils
- Buffers
- Valley Farms G Pad
- County Road

NRCS SOILS KEY:

| MAP SYMBOL | SERIES NAME (Slope) |
|------------|-----------------------------|
| 55 | Potts loam (3 to 6% slopes) |



Ursa OPERATING COMPANY

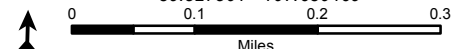
Form 2A - Attachment H

NRCS Map

Valley Farms G Pad

T6S R92W Sec 14

39.527501 -107.630469



WestWater Engineering
Consulting Engineers & Scientists

Author: rbb

Revision: 2

Date: 4/13/2015

Map Symbol 55—Potts loam, 3 to 6 percent slopes

Deep, well-drained soil found on mesas, benches, valley sides; Convex, linear shape; derived from alluvium derived from basalt and/or alluvium derived from sandstone and shale.

| | |
|--------------------------------|--|
| Elevation | 5,000 to 7,000 feet |
| Average annual precipitation | Approximately 14 inches |
| Average annual air temperature | Approximately 46°F |
| Frost free days | Approximately 120 days |
| Permeability | Moderate |
| Available water capacity | High |
| Effective rooting depth | 60+ inches |
| Runoff class | High |
| Erosion hazard | Moderate |
| Native vegetation | Sagebrush, wheatgrasses, needle-and-thread |

Development is limited by low strength and shrink swell potential.

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3c

Map Unit Composition

- *Potts and similar soils*: 85 percent

Description of Potts**Setting****Typical profile**

- *H1 - 0 to 4 inches*: loam
- *H2 - 4 to 28 inches*: clay loam
- *H3 - 28 to 60 inches*: loam

Properties and qualities

- *Slope*: 3 to 6 percent
- *Depth to restrictive feature*: More than 80 inches
- *Natural drainage class*: Well drained
- *Runoff class*: High
- *Capacity of the most limiting layer to transmit water (Ksat)*: Moderately high (0.20 to 0.60 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 very slightly saline (0.0 to 2.0 mmhos/cm)
- *Available water storage in profile*: High (about 10.3 inches)

Interpretive groups

- *Hydrologic Soil Group*: C
- *Ecological site*: Rolling loam (R048AY298CO)