



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)



Form 2A - Attachment H

NRCS Map

Valley Farms G Pad

T6S R92W Sec 14

39.527501 -107.630469



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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)