



#### NRCS SOILS KEY:

MAP SYMBOL	SERIES NAME
3	Arvada loam (1-6% slopes)
9	Badland
34	Ildefonso stony loam (25-45%)
35	Ildefonso-Lazear complex (6-65%)
51	Olney loam, (6-12% slopes)
56	Potts loam (6-12% slopes)
58	Potts-Ildefonso complex (12-25%)
65	Torrifluvents (nearly level)
72	Wann sandy loam (1-3% slopes)
73	Wann sandy loam (3-6% slopes)

Notes / Comments:



**Ursa** | OPERATING COMPANY

#### Form 2A - Attachment H

NRCS Soils Map

**B & V**

39.45032 -108.04708

Section 7, Township 7 South, Range 95 West



Well Pad



Proposed Development

County Roads

Local Roads

0 500 1,000  
Feet



**HCSI**  
ENVIRONMENTAL CONSULTANTS

HRL COMPLIANCE SOLUTIONS, INC.



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## Attachment H – NRCS Soil Survey, Rifle Area

<b>Map Symbol 3 – Arvada loam (1-6% slopes)</b>	
Deep, well drained, sloping soils found on fans and high terraces.	
<b>Elevation</b>	5,100 to 6,200 feet
<b>Average Annual Precipitation</b>	Approximately 12 inches
<b>Average Annual Air Temp</b>	Approximately 48 degrees F
<b>Frost Free Days</b>	Approximately 120 days
<b>Permeability</b>	Very Slow
<b>Available Water Capacity</b>	Moderate
<b>Effective Rooting Depth</b>	60+ inches
<b>Surface Runoff</b>	Medium
<b>Erosion Hazard</b>	Moderate
<b>Native Vegetation:</b> Mainly saltgrass, alkali sacaton, and greasewood.	
Development is limited by the high shrink-swell potential, slow permeability, clayey textures, and salinity. This soil is in capability subclass VII <sub>s</sub> , irrigated and nonirrigated.	

<b>Map Symbol 72 – Wann sandy loam (1-3% slopes)</b>	
Deep, somewhat poorly drained, low-lying soils found on terraces and in valley bottoms.	
<b>Elevation</b>	5,000 to 6,500 feet
<b>Average Annual Precipitation</b>	Approximately 12 inches
<b>Average Annual Air Temp</b>	Approximately 48 degrees F
<b>Frost Free Days</b>	Approximately 120 days
<b>Permeability</b>	Moderately Rapid
<b>Available Water Capacity</b>	High
<b>Effective Rooting Depth</b>	Approx. 24 inches
<b>Surface Runoff</b>	Slow
<b>Erosion Hazard</b>	Moderate
<b>Native Vegetation:</b> Mainly alkali sacaton, saltgrass, wheatgrass, sedges, and rabbitbrush.	
Community development is limited by high water table, seasonal flooding, seepage, and frost heaving. This soil complex is in capability subclass IV <sub>w</sub> , irrigated, and VI <sub>w</sub> , nonirrigated.	