



American Helium

Interim Surface Reclamation Plan

for the

Hamilton Creek Federal 25-44-45-15

Developed by:

CoolSky Energy Solutions



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Introduction

AMERICAN HELIUM LLC is providing this Interim Surface Reclamation Plan to the Bureau of Land Management (BLM) and Energy & Carbon Management Commission (ECMC). This plan has been drafted in accordance with Onshore Order 1 and ECMC Rule 1003. Over the lifetime of this site, if changes or additions to this Reclamation Plan are appropriate, AMERICAN HELIUM LLC will propose them in writing via a sundry, since BLM pre-approval is required before implementation.

Table 1: Project Information

Operator	American Helium LLC - 10841
API Number	05-113-06217
Well Location Name	Hamilton Creek Federal 25-44-45-15
Legal Location	SESE Section 25 Township 45N Range 15W
Lat/Long	38.119250 / -108.465706

Existing Site Condition

Current Location



Area of Interim Reclamation

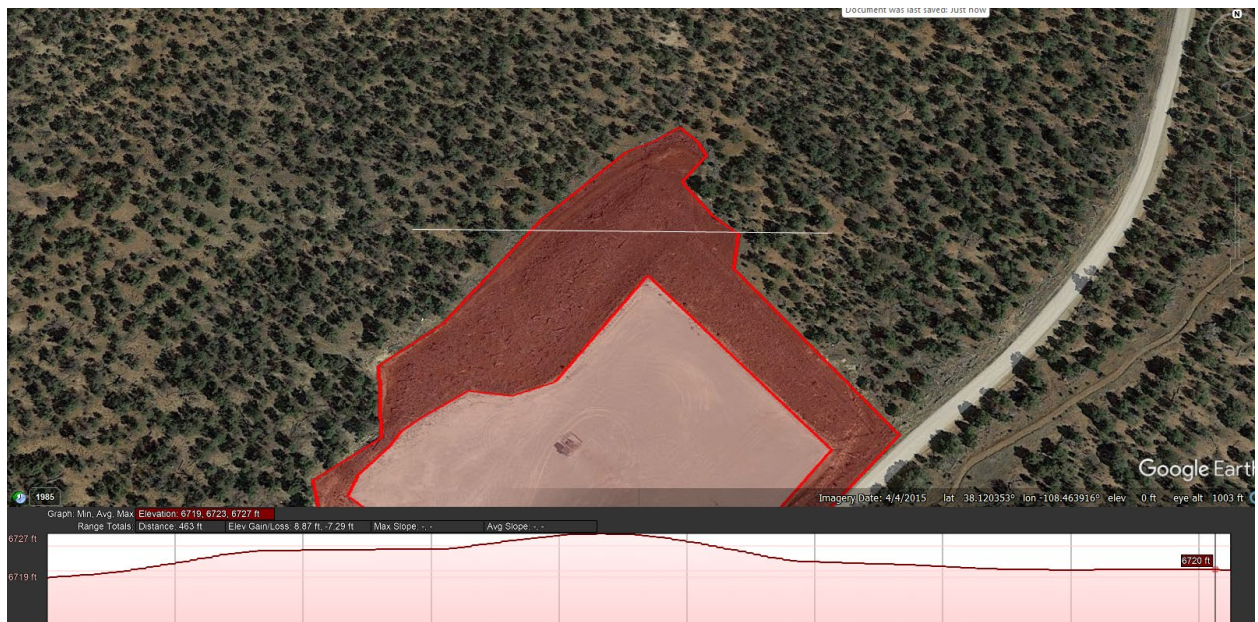
The area of Interim Reclamation is approximately 2.25 acres as indicated in the red area around the well pad.



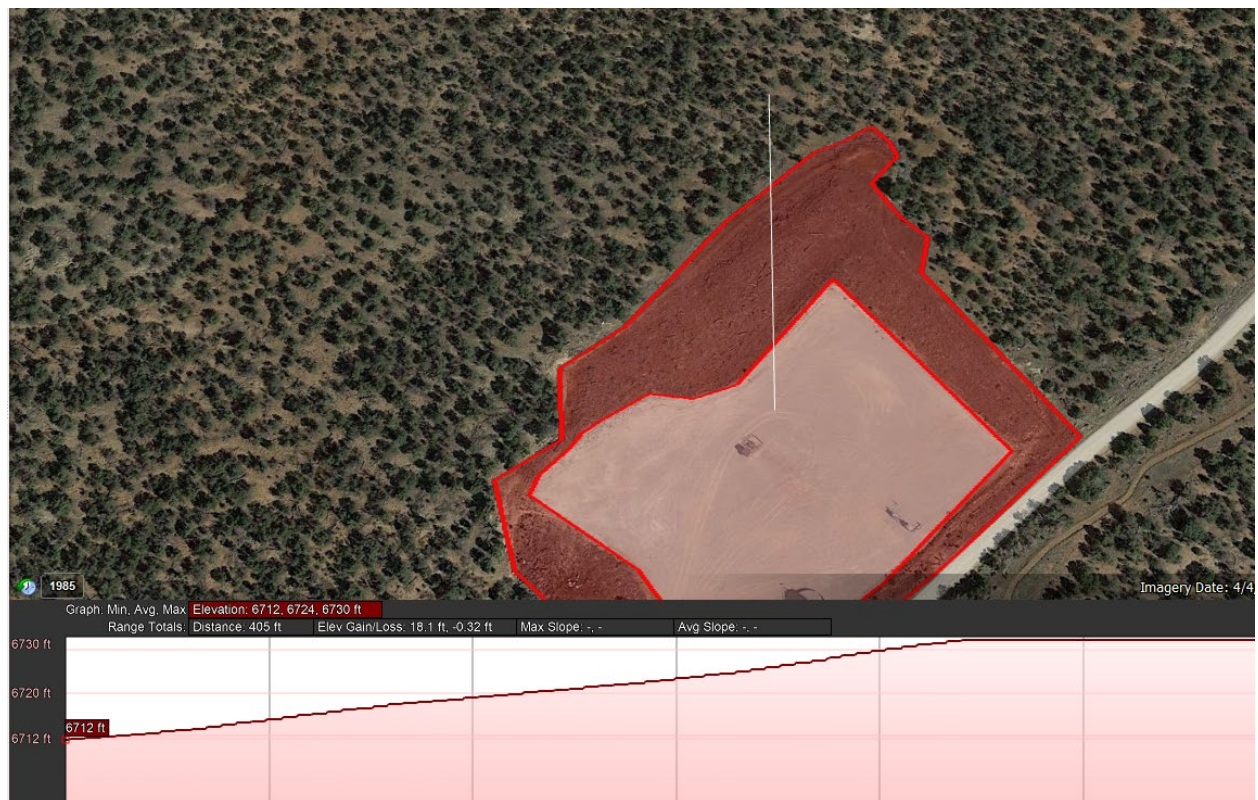
Restoration and Revegetation

All the area that was disturbed and is now no longer needed will be restored and revegetated as indicated in the above depiction.

Elevation Profile



The area of Interim Reclamation from East to West has minimal elevation changes.



The area of Interim Reclamation from North to South has an elevation change of 18 feet. Straw wattles will be placed as appropriate to affect erosion control.

Baseline Vegetation Community

This site is within the vegetation community classified as:

Mixed Pinyon/Juniper Woodlands: The dominant species throughout the site is Pinyon, with additional vegetative species including juniper. Various grasses have revegetated the area.

Proposed Reclamation Seed Mix

The reclamation seed mix below (Table 2), is proposed for this site and considers the existing vegetation on the proposed project site.

Table 2. Prescribed Mixed Pinyon/Juniper Woodlands Seed Mix

<i>Common Name</i>	<i>Species Name</i>	<i>Variety</i>	<i>PLS lbs/acre</i>
Indian Ricegrass	<i>Achnatherum hymenoides</i>	White River	7.5
Western Wheatgrass	<i>Pascopyrum smithii</i>		2.0
Antelope Bitterbrush	<i>Purshia tridentata</i>		2.5
Slender Wheatgrass	<i>Elymus trachycaulus</i>	White River	2.0
Squirrel Tail Bottlebrush	<i>Elymus elymoides</i>		1.0
Blue Gramma Alma	<i>Bouteloua gracilis</i>		1.0
Sandberg Bluegrass Up	<i>Poa sandbergii</i>		0.5
Junegrass	<i>Koeleria macrantha</i>		0.5
Utah Sweetvetch	<i>Hedysarum boreale</i>		.025

Seeding

The seed mix chosen for this site has been agreed upon with the BLM and is listed in Table 2. Reseeding will take place as soon as practicable within the first favorable season. To maintain quality, purity, germination, and yield, only tested, certified seed for the current year, with a minimum germination rate of 80% and a minimum purity of 90% will be used unless otherwise approved by BLM in advance of purchase.

Seeding will be hand-broadcast seed using a “cyclone” hand seeder or similar broadcast seeder. The seed will then be raked into the ground so the seed is planted no deeper than 0.25 inch below the surface.

Seed tags and/or other official documentation of the correct seed mix will be submitted and approved by the BLM. Within 30 days after seeding, AMERICAN HELIUM LLC will provide written notice to the BLM describing the completed work.

Mulching

Certified weed free hay or certified weed free straw will be applied and crimped into the soil after reseeding. Prior to the winter shutdown or the summer seeding window closure, unseeded slopes shall be mulched with mulching material (weed free) and crimped into topsoil.

Weed Control

All areas being reclaimed shall be kept as free as practicable of all undesirable plant species designated to be noxious weeds. Weed control measures shall be conducted in compliance with the Colorado Noxious Weed Act, C.R.S. §35-5.5-115 and 1000-9; as well as with the BLM/Forest Service *Noxious and Invasive Weed Management Plan for Oil and Gas Operators*. All heavy equipment brought onto public lands will be cleaned prior to use to reduce the potential for the introduction of noxious weeds or other undesirable non-native species.

AMERICAN HELIUM LLC is responsible for monitoring the affected and reclaimed lands for noxious weed infestations. A Pesticide Use Proposal (PUP) must be approved by the BLM prior to the use of herbicides. If applicable, the ECMC Director may require a weed control plan.

Fencing

T-Posts will be placed along the edge of the location to deter vehicles from driving off-location onto the reclaimed surface. The minimum number of t-posts will be placed as depicted below. If necessary, more will be added.

