

Petroglyph Energy, Inc.
Well Pad Final Reclamation Evaluation

Well Name: Martinez 06-09

Evaluation Date: July 14, 2015

Evaluated by: Robin Bay; Senior Environmental Scientist; Habitat Management, Inc.

Current Condition

The majority of the Martinez 06-09 pad has a well-established community of native grasses dominated by foxtail barley (*Hordeum jubatum*), western wheatgrass (*Pascopyrum smithii*), squirreltail bottlebrush (*Elymus elymoides*), sand dropseed (*Sporobolus cryptandrus*), and fringed sage (*Artemisia frigida*). The west edge of the pad has very low plant density and somewhat compacted soil. There is moderate cheatgrass (*Bromus tectorum*) cover on much of the pad and some cover of weedy annuals such as prickly Russian thistle (*Salsola tragus*), tall tumbled mustard (*Sisymbrium altissimum*), and common sunflower (*Helianthus annuus*), but these are not likely affecting the establishment of native perennial species.

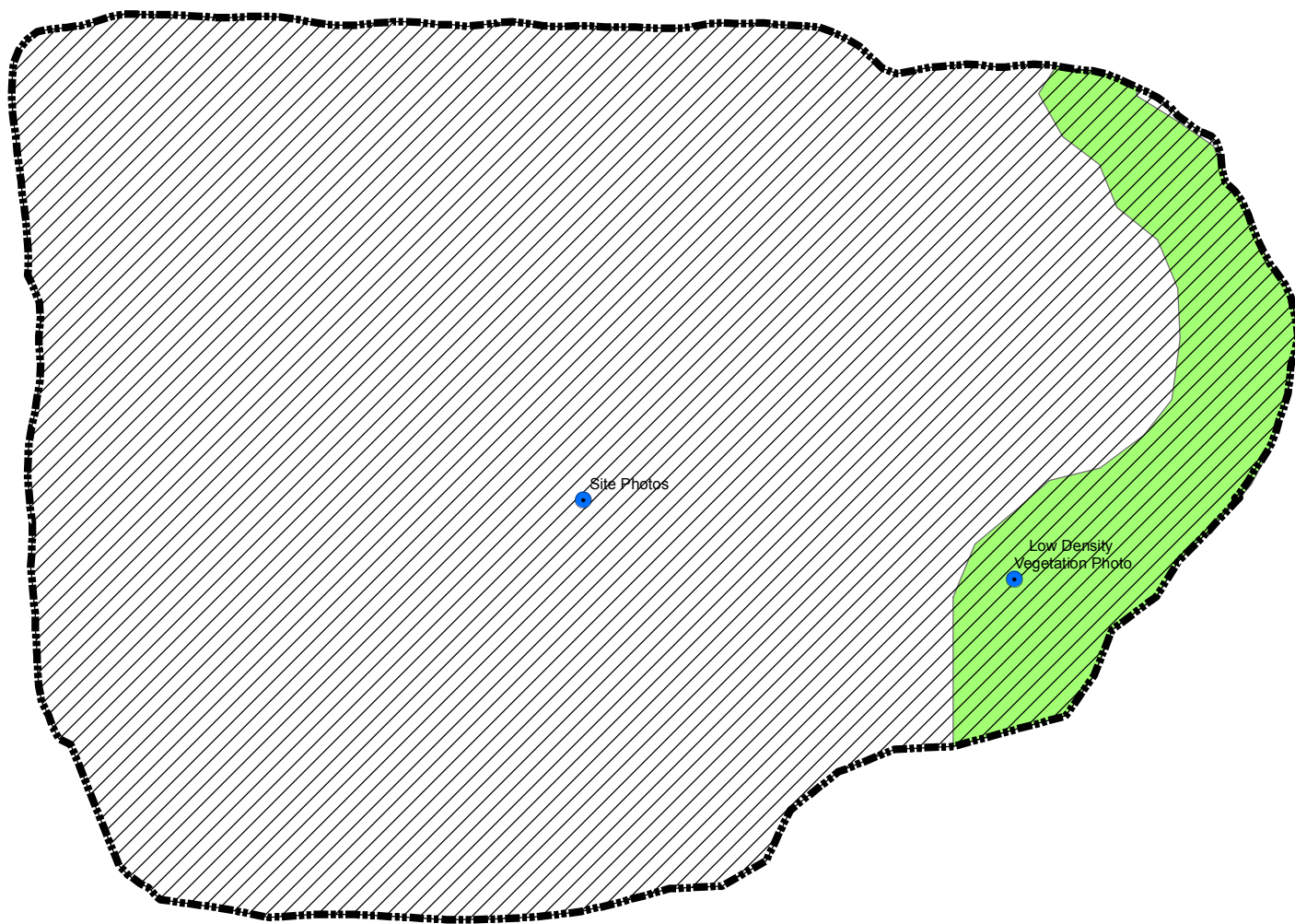
The access road to this well pad has not been reclaimed. Whether it needs to be reclaimed or not should be determined and acted upon appropriately.

Recommended Actions

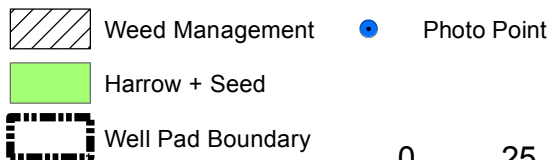
Mowing could help to control the cheatgrass and weedy annual forbs, but these species are not adversely impacting the establishment of desirable cover at this time.

The small bare area on the west edge of the pad should be ripped to de-compact the soils and then reseeded with the approved seed mixture. Woodstraw mulch should be applied at a target rate of 60% to the de-compacted area following reseeding.

This site should be monitored regularly to verify germination of newly seeded areas, check for increased infestations of noxious weeds, and check for other issues that may arise and impact the reclamation area.



Management Activity	Acres
Weed Management	1.25
Harrow & Seed	0.12



Petroglyph Energy 2015

Martinez 06-09



Evaluated: 7/17/15
Drawn: 12/14/15
Drawn By: RFB

Martinez 06-09



Access road

Photo Date 7/14/2015

Lat:

Long:



Looking East

Photo Date 7/14/2015

Lat: 37.5497177318

Long: -104.817323909



Looking North

Photo Date 7/14/2015

Lat: 37.5497177318

Long: -104.817323909



Looking South

Photo Date 7/14/2015

Lat: 37.5497177318

Long: -104.817323909



Looking West

Photo Date 7/14/2015

Lat: 37.5497177318

Long: -104.817323909



Low vegetation density

Photo Date 7/14/2015

Lat: 37.5496648058

Long: -104.8169675971