

**Petroglyph Energy, Inc.**  
**Well Pad Final Reclamation Evaluation**

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**Well Name:** Martinez 06-16

**Evaluation Date:** July 14, 2015

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

**Current Condition**

The Martinez 06-16 pad has good cover and diversity of desirable species including western wheatgrass (*Pascopyrum smithii*), needle and thread (*Hespirostipa commata*), foxtail barley (*Hordeum jubatum*), broom snakeweed (*Gutierrezia sarothrae*), fringed sage (*Artemisia frigida*), and penstemon (*Penstemon* sp.). However, around 50% of the overall vegetation cover is weedy species including cheatgrass (*Bromus tectorum*), tall tumblemustard (*Sisymbrium altissimum*), western tansymustard (*Descurainia pinnata*), burning bush (*Bassia/Kochia scoparia*), prickly Russian thistle (*Salsola tragus*), and common sunflower (*Helianthus annuus*).

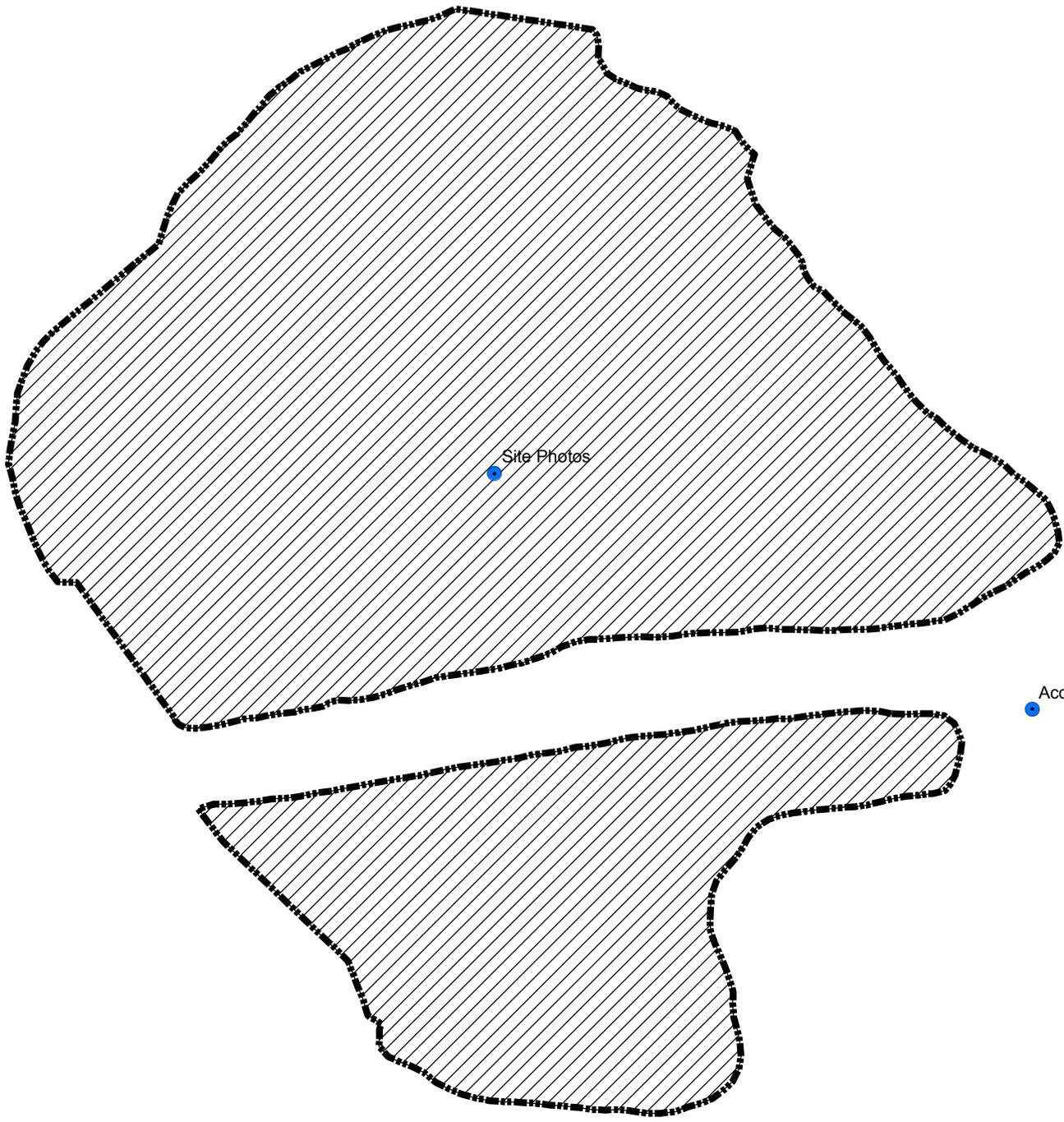
The access road for this pad, as well as Martinez 06-15, cuts the pad in half and has not been reclaimed. Weedy species cover is greater on and adjacent to the road.

**Recommended Actions**

This area should be mowed this fall to clear away the standing dead cheatgrass and tumbleweed so pre-emergent herbicide can effectively contact the ground surface. This well pad should be treated for cheatgrass to facilitate the establishment and growth of desirable vegetation. The entire pad should be treated with a pre-emergent herbicide application this fall before the cheatgrass germinates. The annual weeds can be treated in the spring with either a broadleaf-selective herbicides and/or mowing before they set seed.

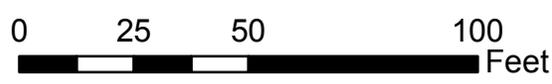
This area may need more than one weed control treatment over the next few years. When effective weed control has been achieved, the area may need to be inter-seeded. The establishment and growth of desirable vegetation should be evaluated at the end of the 2016 growing season to determine the need to inter-seed this site.

After management activities are completed the site should be checked periodically to verify germination of newly seeded areas, check for infestations of other noxious weeds, and check for other issues that may arise and impact the reclamation area.



Management Activity	Acres
Weed Management	1.03

-  Weed Management
-  Photo Point
-  Well Pad Boundary



## Petroglyph Energy 2015

*Martinez 06-16*



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

## Martinez 06-16



Access road

Photo Date 7/14/2015

Lat: 37.5458471823 Long: -104.8166110554



Looking East

Photo Date 7/14/2015

Lat: 37.5460202717 Long: -104.8171036265



Looking North

Photo Date 7/14/2015

Lat: 37.5460202717 Long: -104.8171036265



Looking South

Photo Date 7/14/2015

Lat: 37.5460202717 Long: -104.8171036265



Looking West

Photo Date 7/14/2015

Lat: 37.5460202717 Long: -104.8171036265