

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

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**Well Name:** Martinez 07-01

**Evaluation Date:** July 14, 2015

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

**Current Condition**

Portions of the Martinez 07-01 pad and access road appear to be overly compacted which may have affected the reclamation success. There are a few patches of desirable vegetation dominated by western wheatgrass (*Pascopyrum smithii*), needle and thread (*Hesperostipa comata*), foxtail barley (*Hordeum jubatum*), sand dropseed (*Sporobolus cryptandrus*), and blue flax (*Linum lewisii*). However the majority of the site is dominated by cheatgrass (*Bromus tectorum*) with substantial cover of prickly Russian thistle (*Salsola tragus*), redstem stork's bill (*Erodium cicutarium*), and common sunflower (*Helianthus annuus*).

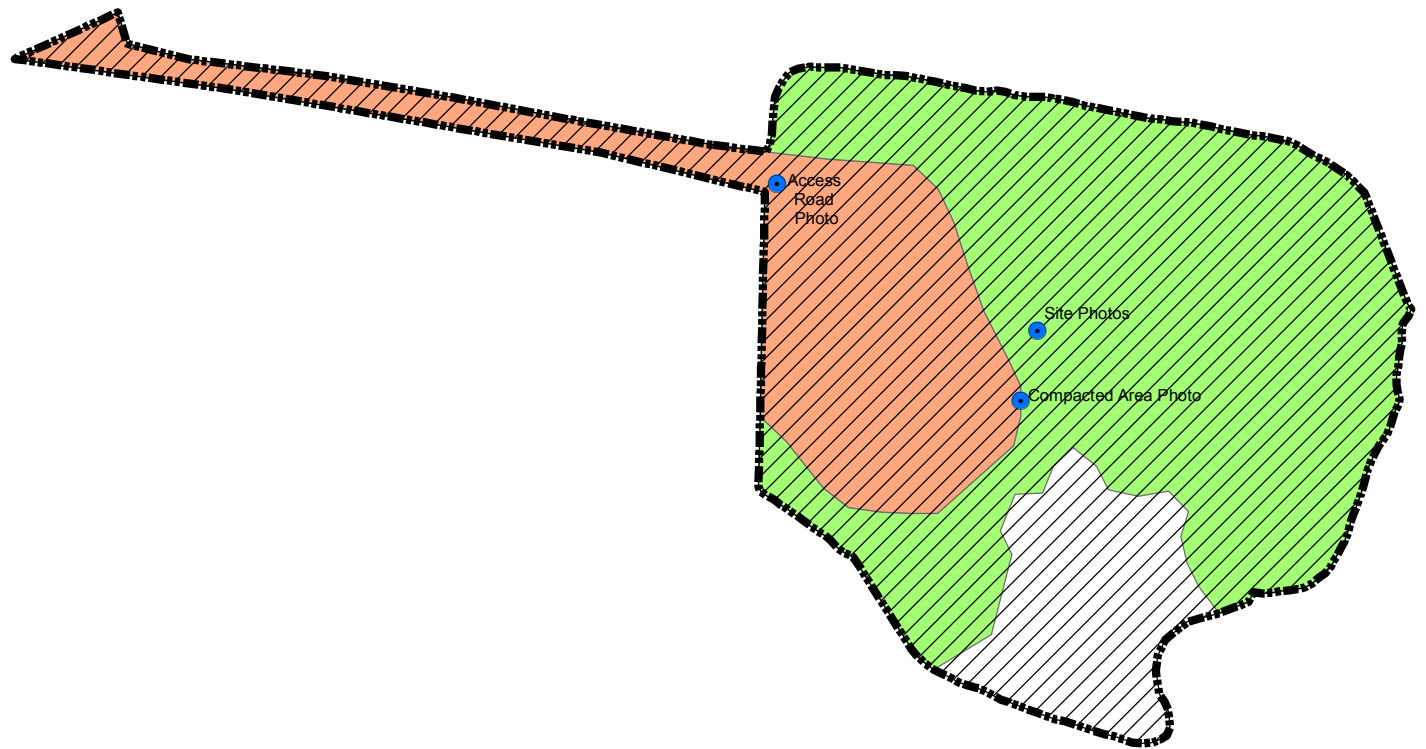
**Recommended Actions**

This site should be mowed to clear away the standing dead cheatgrass and tumbleweed so pre-emergent herbicide can effectively contact the ground surface. The entire pad should be treated with a pre-emergent herbicide application this fall before the cheatgrass germinates.

The stork's bill and prickly Russian thistle could be treated on the pad with spot-application of an appropriate broadleaf selective herbicide to minimize their spread on the pad. However, these species are not required to be treated unless they are adversely impacting the establishment of desired perennial plant species.

After weeds have been controlled the entire site should be inter-seeded with a no-till drill or broadcast seeded and lightly harrowed. The access road and the portion of the pad shown in orange on the map should be de-compacted by cross-ripping to a depth of approximately 12" with a small bulldozer. These areas should then be seeded with the approved seed mixture and mulched with Woodstraw at a target rate of 60% coverage.

This site should continue to 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	1.19
Decompact, Seed & Mulch	0.33
Harrow & Seed	0.70





-  Weed Management
-  Decompact, Seed, & Mulch
-  Harrow & Seed
-  Well Pad Boundary

 Photo Point



0 25 50 100  
Feet

## Petroglyph Energy 2015

*Martinez 07-01*



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

## Martinez 07-01



Access road

Photo Date 7/14/2015

Lat: 37.5408591109 Long: -104.8183638504



Access road looking east

Photo Date 7/14/2015

Lat: Long:



Compacted area

Photo Date 7/14/2015

Lat: 37.5406278024 Long: -104.8180384434



Looking East

Photo Date 7/14/2015

Lat: 37.5407022304 Long: -104.8180160009



Looking North

Photo Date 7/14/2015

Lat: 37.5407022304 Long: -104.8180160009



Looking South

Photo Date 7/14/2015

Lat: 37.5407022304 Long: -104.8180160009



Looking West

Photo Date 7/14/2015

Lat: 37.5407022304 Long: -104.8180160009