

July 22, 2019

Lindsey Rider
EHS Lead
Caerus Oil and Gas
143 Diamond Avenue
Parachute, CO 81635

RE: D30 Well Pad Final Reclamation Status

Dear Lindsey,

Per your request, WestWater biologists have completed vegetation monitoring for the above referenced reclaimed location. We utilized the Bureau of Land Management's (BLM) Assessment, Inventory, and Monitoring (AIM) strategy for data collection and the resulting data has been entered into the Database for Inventory, Monitoring and Assessment (DIMA). In addition to monitoring the reclaimed area we selected and inventoried a reference site for this location.

Attached you will find the results summary and photos of the reclaim and reference areas. Based on the information we collected this year and our understanding of BLM and Colorado Oil & Gas Conservation Commission (COGCC) final reclamation requirements this site meets the 80% reference criteria for Final Abandonment Notice.

If there is any additional information we can provide or clarify please contact me.

Sincerely,



Environmental Scientist/Project Manager

Percent Cover Summary Table		
	Reference Site	Reclaim Site
% Foliar Cover	106.0	108.6
% Basal Cover	0.0	0.0
% Bare ground	5.0	4.0
% Desirable Foliar Cover	24.0	48.0
% Desirable of Reference Site		200.0
80% Desirable of Reference?	Site meets 80% of reference criteria.	
*Percent Foliar Cover represents all points hit along transect of specific species including lower canopy layers; thus, in some cases percent foliar cover can exceed 100%.		

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	D30 Well Pad	
Date:	7/11/2019	
Plot:	Final Reclamation	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus tectorum	cheatgrass	31.3
Pascopyrum smithii	western wheatgrass	35.3
Poa bulbosa	bulbous bluegrass	6.0
Pseudoroegneria spicata	bluebunch wheatgrass	2.0
Grass cover subtotal		74.6
Desirable grass cover subtotal		37.3
Forbs/Succulents		
Alyssum desertorum	desert madwort	4.0
Chorispota tenella	crossflower	1.3
Erodium cicutarium	redstem stork's bill	12.0
Lepidium perfoliatum	clasping pepperweed	5.3
Melilotus officinalis	sweetclover	6.0
Sisymbrium loeselii	small tumbleweed mustard	0.7
Sphaeralcea coccinea	scarlet globemallow	0.7
Forb cover subtotal		30.0
Desirable forb cover subtotal		6.7
Shrubs		
Artemisia tridentata Nutt. var. wyomingensis (Beetle & Young) S.L. Wels		0.7
Atriplex canescens (Pursh) Nutt.	fourwing saltbush	3.3
Shrub cover subtotal		4.0
Desirable shrub cover subtotal		4.0
Trees		
Desirable trees cover subtotal		0
Bold = Desirable Species		

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	D30 Well Pad	
Date:	7/11/2019	
Plot:	Reference	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus arvensis	field brome	6.0
Bromus tectorum	cheatgrass	24.0
Elymus elymoides	squirreltail	2.0
Pascopyrum smithii	western wheatgrass	2.0
Poa bulbosa	bulbous bluegrass	6.0
Poa secunda	Sandberg bluegrass	6.0
Grass cover subtotal		46.0
Desirable grass cover subtotal		10.0
Forbs/Succulents		
Alyssum simplex	alyssum	30.0
Erodium cicutarium	redstem stork's bill	6.0
Lepidium perfoliatum	clasping pepperweed	10.0
Sphaeralcea coccinea	scarlet globemallow	8.0
Forb cover subtotal		54.0
Desirable forb cover subtotal		8
Shrubs		
Artemisia nova	black sagebrush	6.0
Shrub cover subtotal		6.0
Desirable shrub cover subtotal		6.0
Trees		
Desirable trees cover subtotal		

Bold = Desirable Species



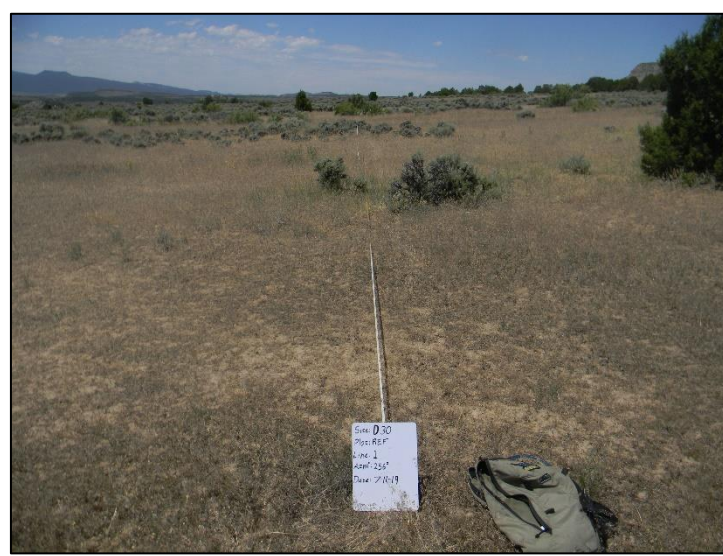
Reclaim Transect 1



Reclaim Transect 2



Reclaim Transect 3



Reference Transect

