

July 9, 2019

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

RE: E27E 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	80.0	156.7
% Basal Cover	2.0	0.0
% Bare ground	12.0	0.0
% Desirable Foliar Cover	52.0	95.3
% Desirable of Reference Site		183.2
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:	E27E	
Date:	6/25/2019	
Plot:	Final Reclamation	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Poa bulbosa	bulbous bluegrass	60.0
<b>Thinopyrum intermedium</b>	<b>intermediate wheatgrass</b>	<b>2.0</b>
Grass cover subtotal		62.0
Desirable grass cover subtotal		<b>2.0</b>
Forbs/Succulents		
Erodium cicutarium	redstem stork's bill	0.7
Lactuca serriola	prickly lettuce	0.7
<b>Medicago sativa</b>	<b>alfalfa</b>	<b>93.3</b>
Forb cover subtotal		94.7
Desirable forb cover subtotal		<b>93.3</b>
Shrubs		
Shrub cover subtotal		0.0
Desirable shrub cover subtotal		
Trees		
Desirable trees cover subtotal		<b>0</b>
<b>Bold = Desirable Species</b>		

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	E27E	
Date:	6/25/2019	
Plot:	Reference	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Astragalus convallarius	lesser rushy milkvetch	2.0
<b>Bromus inermis</b>	<b>smooth brome</b>	<b>22.0</b>
Poa bulbosa	bulbous bluegrass	22.0
Grass cover subtotal		46.0
Desirable grass cover subtotal		<b>24.0</b>
Forbs/Succulents		
Erodium cicutarium	redstem stork's bill	6.0
<b>Heterotheca villosa</b>	<b>hairy false goldenaster</b>	<b>8.0</b>
<b>Medicago sativa</b>	<b>alfalfa</b>	<b>4.0</b>
<b>Sphaeralcea coccinea</b>	<b>scarlet globemallow</b>	<b>2.0</b>
Forb cover subtotal		20.0
Desirable forb cover subtotal		<b>14</b>
Shrubs		
Artemisia tridentata var. wyomingens	Wyoming sagebrush	12.0
Ericameria nauseosa	rubber rabbitbrush	2.0
Shrub cover subtotal		14.0
Desirable shrub cover subtotal		<b>14.0</b>
Trees		
Desirable trees cover subtotal		
<b>Bold = Desirable Species</b>		



Reclaim Transect 1



Reclaim Transect 2



Reclaim Transect 3



Reference Transect

