

September 3, 2019

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

RE: K20E 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 does meet 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	162.0	112.0
% Basal Cover	0.0	0.0
% Bare ground	0.0	0.0
% Desirable Foliar Cover	66.0	100.0
% Desirable of Reference Site		151
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%.		



Reclaim Transect 1



Reclaim Transect 2



Reclaim Transect 3



Reference Transect

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	K20E	
Date:	6/18/2019	
Plot:	Final Reclamation	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Grass cover subtotal		0.0
Desirable grass cover subtotal		
Forbs/Succulents		
Descurainia sophia	herb sophia	12.0
Medicago sativa	alfalfa	100.0
Forb cover subtotal		112.0
Desirable forb cover subtotal		100
Shrubs		
Shrub cover subtotal		0.0
Desirable shrub cover subtotal		
Trees		
Desirable trees cover subtotal		0

Bold = Desirable Species

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	K20E	
Date:	6/18/2019	
Plot:	Reference	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus inermis	smooth brome	46.0
Dactylis glomerata	orchardgrass	2.0
Poa bulbosa	bulbous bluegrass	78.0
Grass cover subtotal		126.0
Desirable grass cover subtotal		48.0
Forbs/Succulents		
Bassia scoparia	burningbush	2.0
Convolvulus arvensis	field bindweed	16.0
Grindelia squarrosa	curlycup gumweed	2.0
Medicago sativa	alfalfa	16.0
Forb cover subtotal		36.0
Desirable forb cover subtotal		18
Shrubs		
Shrub cover subtotal		0.0
Desirable shrub cover subtotal		
Trees		
Desirable trees cover subtotal		
Bold = Desirable Species		

