

August 11, 2023

Kathy Vertiz
Contract EHS Specialist
Caerus Oil and Gas
143 Diamond Avenue
Parachute, CO 81635

RE: C06 1095 Well Pad Final Reclamation Status (Rogers Federal #1)

Dear Kathy,

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. 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 Energy and Carbon Management Commission (ECMC) 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

C06 1095 Final Reclaim Well Pad



Reclaim Transect 1



Reclaim Transect 2



Reclaim Transect 3



Reference Transect 1



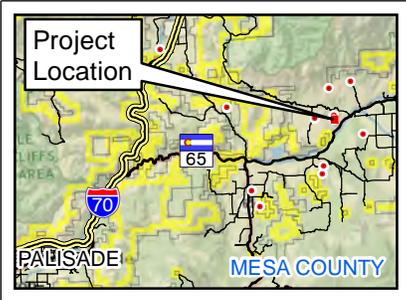
Reference Transect 2

Percent Cover Summary Table		
	Reference Site	Reclaim Site
% Foliar Cover	105.0	75.3
% Basal Cover	0.0	0.0
% Bare ground	4.0	6.0
% Desirable Foliar Cover	32.0	27.3
% Desirable of Reference Site		85.3
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:	C06 1095		
Date:	7/24/2023		
Plot:	Final Reclamation		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Achnatherum hymenoides	Indian ricegrass	3.3	0
Agropyron cristatum	crested wheatgrass	1.3	0
Bromus tectorum	cheatgrass	18.0	0
Elymus elymoides	squirreltail	3.3	0
Pascopyrum smithii	western wheatgrass	14.0	0
Grass cover subtotal		39.9	0
Desirable grass cover subtotal		21.9	0
Forbs/Succulents			
Alyssum desertorum	desert madwort	12.7	0
Chaetopappa ericoides	rose heath	0.7	0
Convolvulus arvensis	field bindweed	3.3	0
Erodium cicutarium	redstem stork's bill	10.7	0
Medicago sativa	alfalfa	1.3	0
Scorzonera laciniata	cutleaf vipergrass	2.0	0
Forb cover subtotal		30.7	0
Desirable forb cover subtotal		0.7	0
Shrubs			
Artemisia tridentata var. wyomingensis	Wyoming sagebrush	0.7	0
Ericameria nauseosa	rubber rabbitbrush	1.3	0
Gutierrezia sarothrae	broom snakeweed	2.7	0
Shrub cover subtotal		4.7	0
Desirable shrub cover subtotal		4.7	0
Trees			
Desirable trees cover subtotal		0	

Bold = Desirable Species or Semi-desirable Species

Final Reclamation Site Percent Foliar Cover by Species			
Caerus Oil and Gas			
Location:	C06 1095		
Date:	7/24/2023		
Plot:	Reference		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Bromus tectorum	cheatgrass	47.0	0
Elymus elymoides	squirreltail	4.0	0
Hesperostipa comata	needle and thread	1.0	0
Pleuraphis jamesii	James' galleta	7.0	0
Grass cover subtotal		59.0	0
Desirable grass cover subtotal		12.0	0
Forbs/Succulents			
Alyssum desertorum	desert madwort	22.0	0
Erodium cicutarium	redstem stork's bill	4.0	0
Plantago patagonica	woolly plantain	1.0	0
Sphaeralcea coccinea	scarlet globemallow	2.0	0
Forb cover subtotal		29.0	0
Desirable forb cover subtotal		3	0
Shrubs			
Artemisia tridentata var. wyomingensis	Wyoming sagebrush	17.0	0
Shrub cover subtotal		17.0	0
Desirable shrub cover subtotal		17.0	0
Trees			
Desirable trees cover subtotal			0
Bold = Desirable Species or Semi-desirable Species			



Legend

- Pad Transect
- Reference Transect

Pad Status

- FAN Reclamation Monitoring

BLM Field Office

C06 1095

Caerus Oil & Gas

FAN Vegetation Monitoring 2023

WestWater Engineering
Consulting Engineers & Scientists

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