

August 11, 2023

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

RE: N31 995 Well Pad Final Reclamation Status (PLATEAU NICHOLS #31-42)

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

PLATEAU NICHOLS #31-42
N31 995 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	97.0	71.9
% Basal Cover	1.0	1.4
% Bare ground	8.0	13.3
% Desirable Foliar Cover	28.0	69.9
% Desirable of Reference Site		249.6%
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%.		

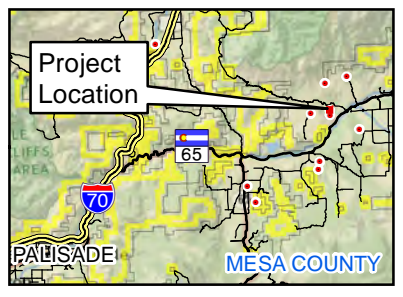
Final Reclamation Site Percent Foliar Cover by Species

Caerus Oil and Gas			
Location:	N31 995 PLATEAU NICHOLS #31-42		
Date:	7/24/2023		
Plot:	Final Reclamation		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Bromus tectorum	cheatgrass	2.0	0
Elymus trachycaulus	slender wheatgrass	1.3	0
Pascopyrum smithii	western wheatgrass	45.3	0
Psathyrostachys juncea	Russian wildrye	1.3	0
Pseudoroegneria spicata	blue bunch wheatgrass	12.7	0.7
Grass cover subtotal		62.6	0.7
Desirable grass cover subtotal		60.6	0.7
Forbs/Succulents			
Melilotus officinalis	sweetclover	1.3	0
Forb cover subtotal		1.3	0
Desirable forb cover subtotal		1.3	0
Shrubs			
Ericameria nauseosa	rubber rabbitbrush	8.0	0.7
Shrub cover subtotal		8.0	0
Desirable shrub cover subtotal		8.0	0.7
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:	N31 995 PLATEAU NICHOLS #31-42		
Date:	7/24/2023		
Plot:	Reference		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Achnatherum hymenoides	Indian ricegrass	2.0	0
Bromus tectorum	cheatgrass	37.0	0
Hesperostipa comata	needle and thread	4.0	0
Pleuraphis jamesii	James' galleta	2.0	0
Sporobolus cryptandrus	sand dropseed	3.0	1
Vulpia octoflora	sixweeks fescue	5.0	0
Grass cover subtotal		53.0	1
Desirable grass cover subtotal		16.0	1
Forbs/Succulents			
Alyssum desertorum	desert madwort	18.0	0
Ceratocephala testiculata	curveseed butterwort	1.0	0
Erodium cicutarium	redstem stork's bill	13.0	0
Plantago patagonica	woolly plantain	1.0	0
Sphaeralcea coccinea	scarlet globemallow	4.0	0
Forb cover subtotal		37.0	0
Desirable forb cover subtotal		5	0
Shrubs			
Artemisia tridentata var. wyomingensis	Wyoming sagebrush	5.0	0
Gutierrezia sarothrae	broom snake weed	2.0	0
Shrub cover subtotal		7.0	0
Desirable shrub cover subtotal		7.0	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

N31 995

Caerus Oil & Gas

FAN Vegetation Monitoring 2023

WestWater Engineering
Consulting Engineers & Scientists

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Feet