

August 11, 2022

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

RE: PL18NE Well Pad Final Reclamation Status

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 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

PL18NE Well Pad Photographs



Reclaim Transect 1



Reclaim Transect 2



Reclaim Transect 3



Reference Transect 1



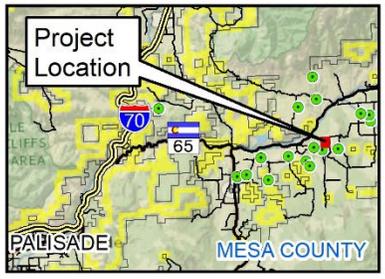
Reference Transect 2

Percent Cover Summary Table		
	Reference Site	Reclaim Site
% Foliar Cover	46.0	82.6
% Basal Cover	0.0	2.0
% Bare ground	24.0	21.3
% Desirable Foliar Cover	42.0	49.9
% Desirable of Reference Site		118.8
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%.

Caerus Oil and Gas			
Location:	PL18NE		
Date:	6/28/2022		
Plot:	Final Reclamation		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Aegilops cylindrica	jointed goatgrass	0.7	0
Agropyron cristatum	crested whe atgrass	1.3	0
Bromus inermis	smooth brome	1.3	0
Pascopyrum smithii	western wheatgrass	8.0	0.7
Pleuraphis	galleta grass	0.7	0
Psathyrostachys juncea	Russian wildrye	3.3	0.7
Thinopyrum intermedium	intermediate wheatgrass	31.3	0.7
Grass cover subtotal		46.6	1.4
Desirable grass cover subtotal		45.9	1.4
Forbs/Succulents			
Alyssum desertorum	desert madwort	11.3	0
Convolvulus arvensis	field bindweed	0.7	0
Lactuca serriola	prickly lettuce	1.3	0
Lepidium perfoliatum	clasping pepperweed	17.3	0
Melilotus officinalis	sweetclover	2.0	0
Sisymbrium altissimum	tall tumbled mustard	0.7	0
Taraxacum officinale	common dandelion	0.7	0
Forb cover subtotal		34.0	0
Desirable forb cover subtotal		2	0
Shrubs			
Atriplex canescens	fourwing saltbush	2.0	0
Shrub cover subtotal		2.0	0
Desirable shrub cover subtotal		2.0	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:	PL18NE		
Date:	6/28/2022		
Plot:	Reference		
Scientific Name	Common Name	Foliar Cover	Basal Cover
Graminoids			
Bromus tectorum	cheatgrass	2.0	0
Elymus elymoides	squirreltail	7.0	0
Grass cover subtotal		9.0	0
Desirable grass cover subtotal		7.0	0
Forbs/Succulents			
Ceratocephala testiculata	curveseed butterwort	2.0	0
Cryptantha	cryptantha	1.5	0
Grindelia squarrosa	curlycup gumweed	0.5	0
Phlox hoodii Richardson	spiny phlox	0.5	0
Forb cover subtotal		4.5	0
Desirable forb cover subtotal		2.5	0
Shrubs			
Shrub cover subtotal		0.0	0
Desirable shrub cover subtotal			0.5
Trees			
Juniperus osteosperma	Utah juniper	32.5	0
Desirable trees cover subtotal		32.5	0
Bold = Desirable Species or Semi-desirable Species			



Legend

-  Pad Transect
-  Reference Transect

Pad Status

-  Final Reclamation Monitoring

 BLM Field Office

PL18NE

Caerus Oil & Gas

Vegetation Monitoring 2022

 **WestWater Engineering**
Consulting Engineers & Scientists

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Feet