

July 31, 2019

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

RE: SG36NE 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	100.0	101.4
% Basal Cover	0.0	0.0
% Bare ground	12.0	3.3
% Desirable Foliar Cover	16.0	16.0
% Desirable of Reference Site		100.0
80% Desirable of Reference?	Site meets 80% of reference requirement	

*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

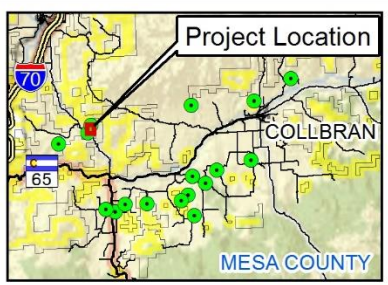
Final Reclamation Site Percent Foliar Cover by Species

Caerus Oil and Gas		
Location:	SG36NE	
Date:	7/22/2019	
Plot:	Final Reclamation	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus tectorum	cheatgrass	70.7
Eremopyrum triticeum	annual wheatgrass	4.7
Pascopyrum smithii	western wheatgrass	7.3
Pleuraphis jamesii	James' galleta	0.7
Psathyrostachys juncea	Russian wildrye	0.7
Thinopyrum intermedium	intermediate wheatgrass	7.3
Grass cover subtotal		91.4
Desirable grass cover subtotal		16.0
Forbs/Succulents		
Alyssum desertorum	desert madwort	5.3
Chorispura tenella	crossflower	1.3
Erodium cicutarium	redstem stork's bill	0.7
Lactuca serriola	prickly lettuce	0.7
Lepidium perfoliatum	clasping pepperweed	2.0
Forb cover subtotal		10.0
Desirable forb cover subtotal		0
Shrubs		
Shrub cover subtotal		0.0
Desirable shrub cover subtotal		0
Trees		
Desirable trees cover subtotal		0

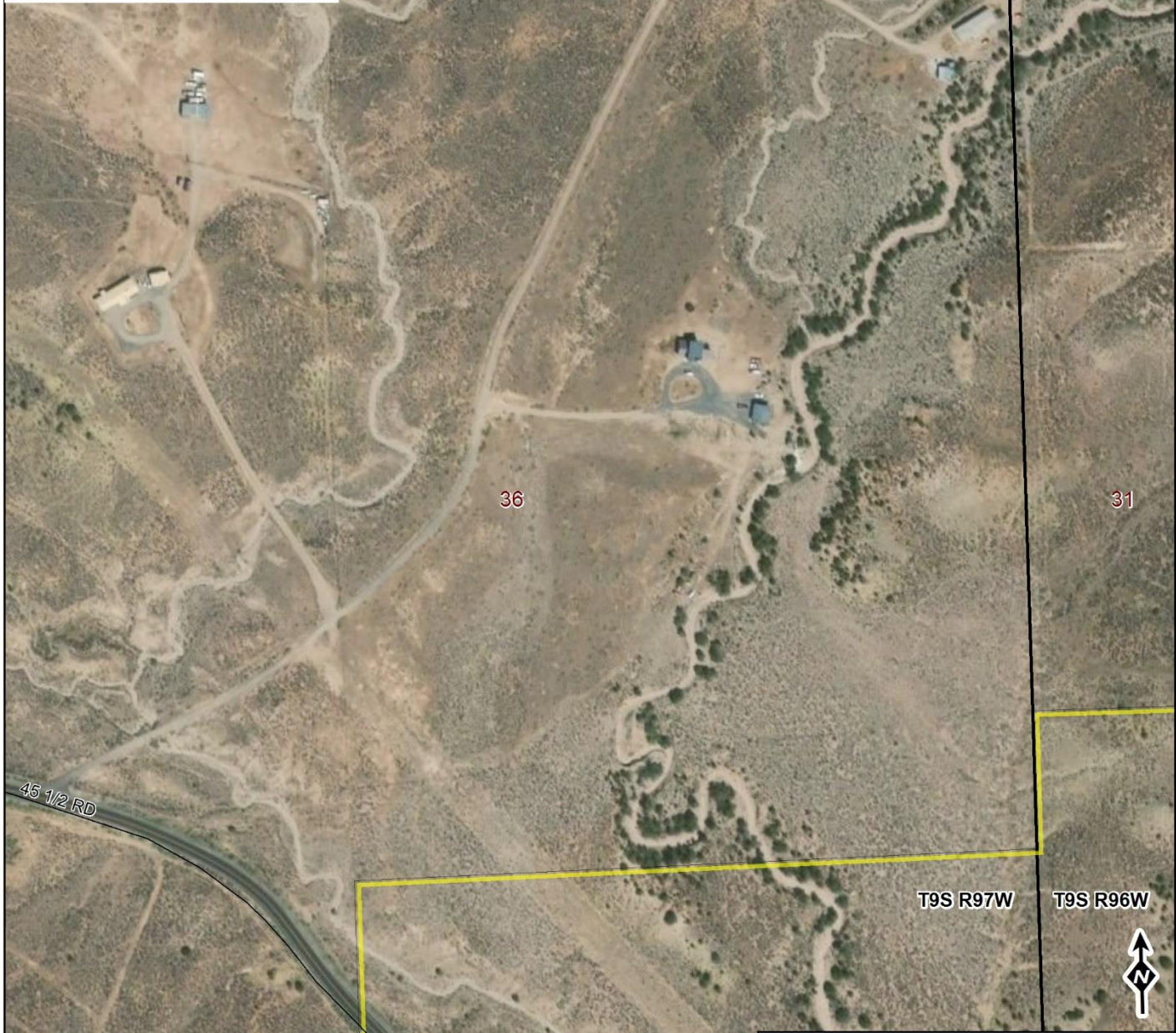
Bold = Desirable Species

Final Reclamation Site Percent Foliar Cover by Species		
Caerus Oil and Gas		
Location:	SG36NE	
Date:	7/22/2019	
Plot:	Reference	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus tectorum	cheatgrass	74.0
Grass cover subtotal		74.0
Desirable grass cover subtotal		0.0
Forbs/Succulents		
Alyssum desertorum	desert madwort	10.0
Helianthus annuus	common sunflower	2.0
Sphaeralcea coccinea	scarlet globemallow	2.0
Forb cover subtotal		14.0
Desirable forb cover subtotal		4
Shrubs		
Artemisia tridentata var. wyomingens	Wyoming sagebrush	10.0
Sarcobatus vermiculatus	greasewood	2.0
Shrub cover subtotal		12.0
Desirable shrub cover subtotal		12.0
Trees		
Desirable trees cover subtotal		

Bold = Desirable Species



SG36NE,
39.235702,
-108.160246



Legend

- Pad Transect
- Reference Transect

Pad Status

- Final Reclamation Monitoring
- Interim Reclamation Monitoring

- BLM Field Office

SG36NE
Caerus Oil & Gas
BLM
Grand Junction Field Office
Vegetation Monitoring 2019

WestWater Engineering
Consulting Engineers & Scientists

0 200 400 600
Feet

Map Source: Z:\Caerus Oil & Gas\BLM Vegetation Monitoring Program\2019\GIS\GJFO Transect Maps 7-31-19\SG36NE 7-31-19.mxd 7/31/2019 rbb