

July 22, 2019

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

RE: D30 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

<b>Percent Cover Summary Table</b>		
	<b>Reference Site</b>	<b>Reclaim Site</b>
<b>% Foliar Cover</b>	106.0	108.6
<b>% Basal Cover</b>	0.0	0.0
<b>% Bare ground</b>	5.0	4.0
<b>% Desirable Foliar Cover</b>	<b>24.0</b>	<b>48.0</b>
<b>% Desirable of Reference Site</b>		<b>200.0</b>
<b>80% Desirable of Reference?</b>	<b>Site meets 80% of reference criteria.</b>	

\*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:	D30 Well Pad	
Date:	7/11/2019	
Plot:	Reference	
Scientific Name	Common Name	Foliar Cover
Graminoids		
Bromus arvensis	field brome	6.0
Bromus tectorum	cheatgrass	24.0
<b>Elymus elymoides</b>	<b>squirreltail</b>	<b>2.0</b>
<b>Pascopyrum smithii</b>	<b>western wheatgrass</b>	<b>2.0</b>
Poa bulbosa	bulbous bluegrass	6.0
<b>Poa secunda</b>	<b>Sandberg bluegrass</b>	<b>6.0</b>
Grass cover subtotal		46.0
Desirable grass cover subtotal		<b>10.0</b>
Forbs/Succulents		
Alyssum simplex	alyssum	30.0
Erodium cicutarium	redstem stork's bill	6.0
Lepidium perfoliatum	clasping pepperweed	10.0
<b>Sphaeralcea coccinea</b>	<b>scarlet globemallow</b>	<b>8.0</b>
Forb cover subtotal		54.0
Desirable forb cover subtotal		<b>8</b>
Shrubs		
<b>Artemisia nova</b>	<b>black sagebrush</b>	<b>6.0</b>
Shrub cover subtotal		6.0
Desirable shrub cover subtotal		<b>6.0</b>
Trees		
Desirable trees cover subtotal		

**Bold = Desirable Species**



Reclaim Transect 1



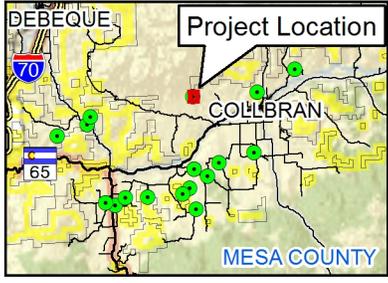
Reclaim Transect 2



Reclaim Transect 3



Reference Transect



**Legend**

-  Pad Transect
-  Reference Transect
- Pad Status**
-  Final Reclamation Monitoring
-  Interim Reclamation Monitoring
-  BLM Field Office

**D30**  
**Caerus Oil & Gas**  
**BLM**  
**Grand Junction Field Office**  
**Vegetation Monitoring 2019**  
 **NestWater Engineering**  
 Consulting Engineers & Scientists



Map Source: Z:\Caerus Oil & Gas\BLM Vegetation Monitoring Program\2019\GIS\GJFO Transect Maps 7-19-19\D30 7-19-19.mxd 7/19/2019 rbb