



January 19, 2016

Mr. Paul Schwarz
Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1800
Denver, Colorado 80202

**RE: Colorado Oil & Gas Conservation Commission (COGCC)
Form 4 (Interim Reclamation Completion Notice)
Powers 30N-27HZ (Location: 430972)
Kerr McGee Oil & Gas Onshore LP (Operator: 47120)**

Dear Mr. Schwarz:

Apex Companies, LLC (Apex) is pleased to present this letter to Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) documenting the results of a vegetation assessment that demonstrates successful completion of interim reclamation efforts per COGCC Rule 1003 on the above referenced location in Weld County, Colorado. Attached is a topographic map, which identifies the referenced location.

Based on communications with Kerr-McGee personnel and subsequent site visits, Apex inspectors confirmed that the unused portions of the reduced production footprint have been stabilized and seeded with Anadarko Dryland Pasture Mix. This seed mixture was applied at 25 pounds pure live seed (pls) per acre, and is composed of Tetraploid Perennial Ryegrass (19.68%), Smooth Brome, Lincoln (18.66%), Intermediate Wheatgrass, Oahe (14.76%), Dahurian Wildrye (14.44%), Orchardgrass, Paiute (14.29%), and Pubescent Wheatgrass Luna (13.35%).

On June 24, 2015, modified step-point vegetation surveys were conducted on the reclaimed portion of the well pad, and on adjacent undisturbed reference areas. Foliar and basal cover, along with non-vegetated, and noxious weed occurrences were documented; 100 survey points were recorded within the reclaimed disturbance and 100 survey points were recorded within the undisturbed reference area. Noxious weeds listed by the Colorado Department of Agriculture were excluded from the vegetative coverage calculation.

Survey results indicate the reclaimed area has a foliar vegetative cover that is 110.00% of the undisturbed reference area. Vegetation survey results are provided in the attached survey summary tables and data sheets. Based on the results of the survey, interim reclamation as defined by COGCC Rule 1003.e (2) has been achieved. Photographs required by COGCC Rule 1003.e (3) are also attached along with a diagram illustrating vegetation survey efforts.

Apex appreciates the opportunity to provide environmental consulting services to Kerr-McGee with this project. Should you have any questions or require additional information, please don't hesitate to contact me.

Sincerely,
Apex Companies, LLC

A handwritten signature in black ink, appearing to read 'Chris Hines', written over a horizontal line.

Chris Hines
Project Manager
970-261-1127
chris.hines@apexcos.com

Attachments:

1. Vegetation Survey (Summary of Field Data)
2. Site Diagram
3. Topographic Location Map
4. Vegetation Survey (Photos)
5. Vegetation Survey (Field Data Tables)



Vegetation Survey (Summary of Field Data)

Client	Kerr McGee Oil & Gas Onshore LP
COGCC Location Name (ID)	Powers 30N-27HZ (430972)
Assessment Date	6/24/2015
Inspector Name - Title	Cody Booth- Environmental Specialist
Data Processor Name - Title	Tyler Dooley- Environmental Scientist

Based on the survey methodology, the Foliar Cover % in each survey area is calculated by summing the total number of foliar occurrences, minus noxious weeds, and dividing by the total occurrences in the transect. For this location:

Reclaim Area (Foliar Cover)	Reference Area (Foliar Cover)
$(43 + 1 + 0) / 100 =$ 44.00%	$(54 + 12 + 0) / 165 =$ 40.00%

The Percent of Reference (%) used to evaluate each reclaim area for compliance with COGCC Rule 1003.e(2) for determining interim reclamation success, is calculated by dividing the Foliar Cover % in the Reclaim Area by the Foliar Cover % in the Reference Area. For this location:

Percent of Reference (Reclaim % / Reference %)
$44.00\% / 40.00\% =$ 110.00%

Reclaim Area Vegetation

Foliar Cover	44.00%
Basal Cover	14.00%
Non Vegetated	42.00%
Noxious Weeds	0.00%
QA Total <i>(must equal 100)</i>	100.00%
Grass (Foliar)	43
Forb (Foliar)	1
Shrubs (Foliar)	0
Noxious Weed (Foliar)	0
Grass (Basal)	13
Forb (Basal)	1
Shrubs (Basal)	0
Noxious Weed (Basal)	0
Bare Ground	26
Litter	16
Rock	0
Total Occurrences	100

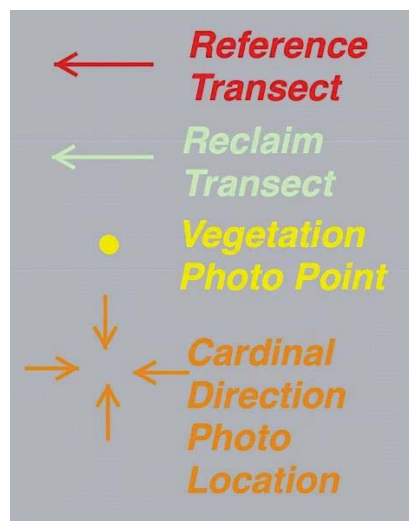
Reference Area Vegetation

Foliar Cover	40.00%
Basal Cover	13.33%
Non Vegetated	46.67%
Noxious Weeds	0.00%
QA Total <i>(must equal 100)</i>	100.00%
Grass (Foliar)	54
Forb (Foliar)	12
Shrubs (Foliar)	0
Noxious Weed (Foliar)	0
Grass (Basal)	18
Forb (Basal)	4
Shrubs (Basal)	0
Noxious Weed (Basal)	0
Bare Ground	43
Litter	34
Rock	0
Total Occurrences	165



Vegetation Survey Site Map

Powers 30N-27HZ
(430972)



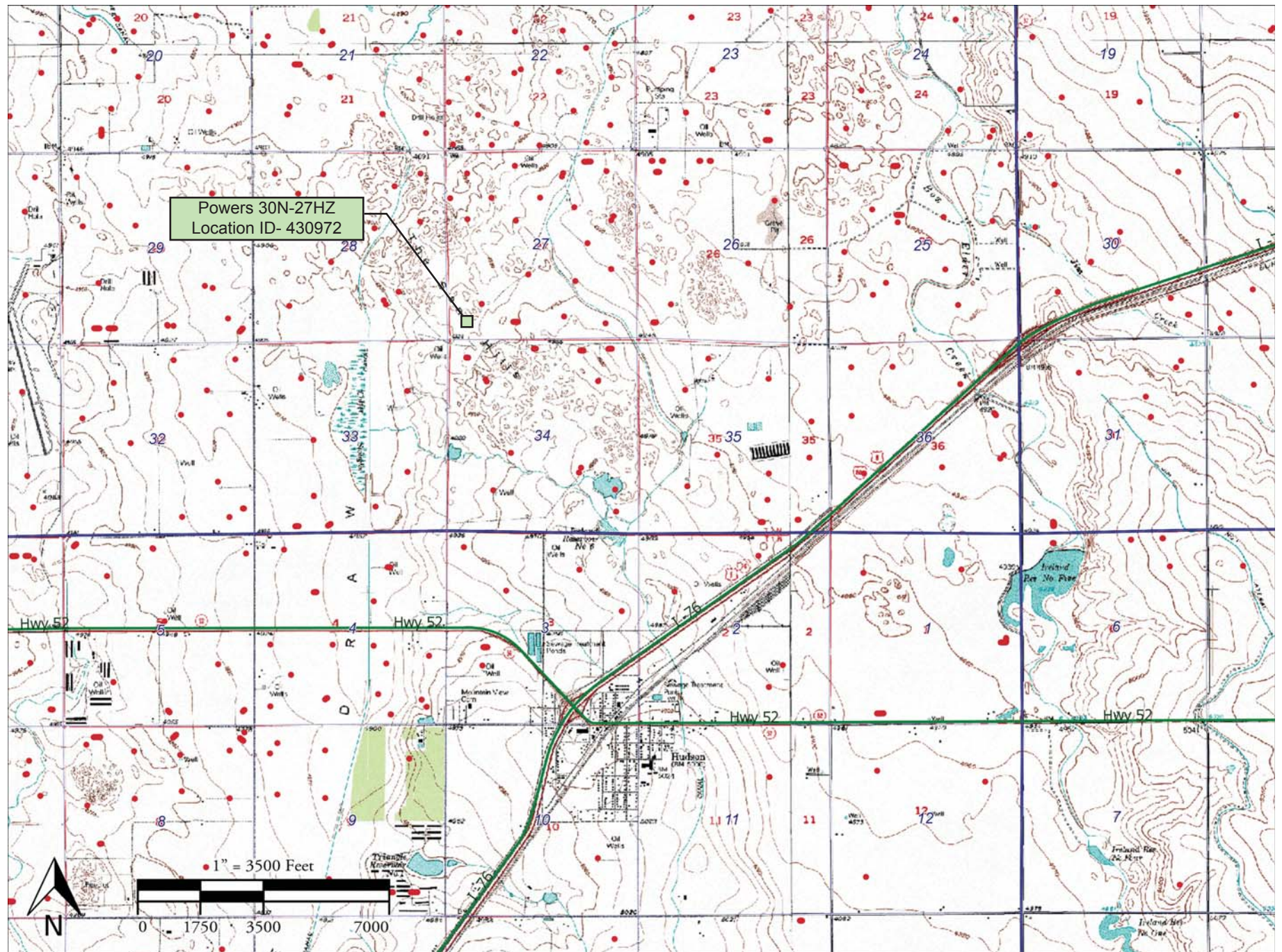
Legal Description: SWSW, Sec 27,
T2N-R65W
County: Weld

Land Use: Rangeland
Reference Area Cover: 40.00%
Reclamation Cover: 44.00%
Cover Ratio
(Reclaim/Reference): 110.00%

Inspector: Cody Booth
Assessment Date: June 24, 2015



Powers 30N-27HZ (430972) Topographic Location Map



Edge of Disturbance on North Side of Pad
Looking East
40.104514°/-104.658700°



Kerr McGee Oil & Gas Onshore LP
Form 4 (Interim Reclamation Completion Notice)
Powers 30N-27HZ (430972)

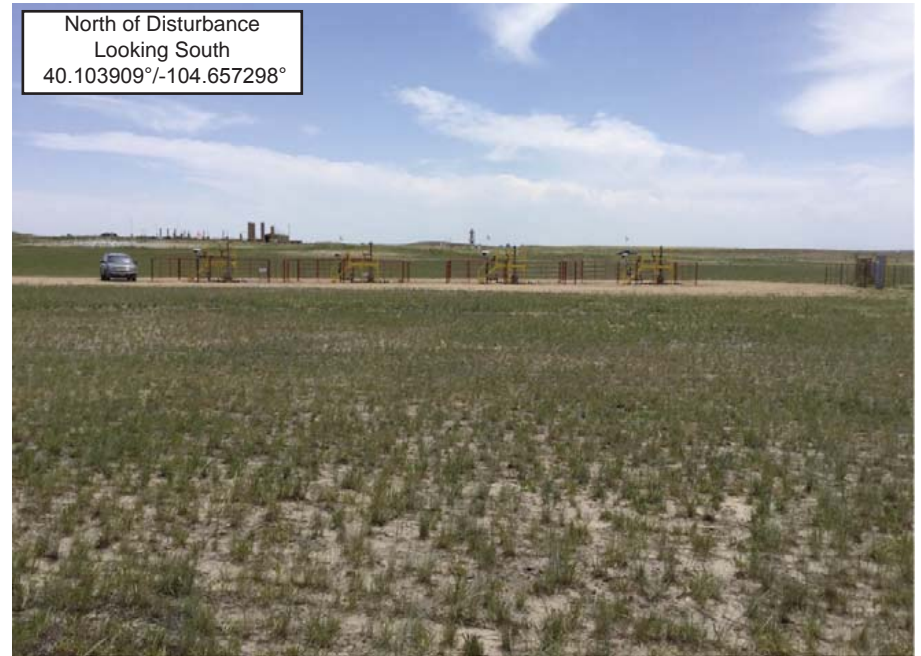
Vegetation Assessment
Completed - June 24, 2015



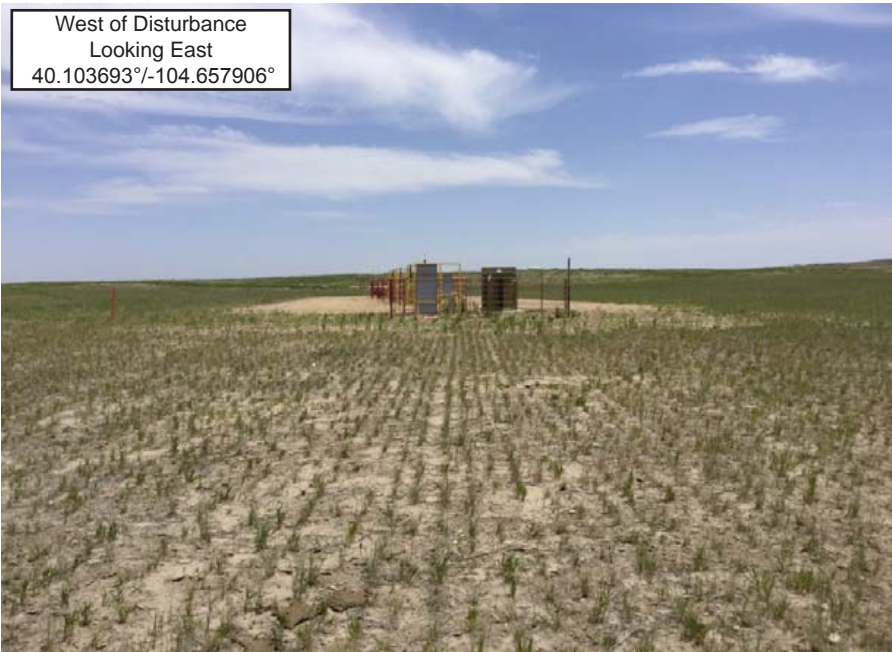
South of Disturbance
Looking North
40.103460°/-104.657309°



North of Disturbance
Looking South
40.103909°/-104.657298°



West of Disturbance
Looking East
40.103693°/-104.657906°



East of Disturbance
Looking West
40.103710°/-104.656898°



Reclaim Area Vegetation
40.104019°/-104.657695°



Reclaim Transect 1
Looking South
40.104172°/-104.656500°



Reclaim Transect 2
Looking South
40.104328°/-104.658975°



Reference Area Vegetation
40.105211° / -104.658814°



Reference Transect 1
Looking East
40.104669°/-104.658772°



Reference Transect 2
Looking East
40.105116°/-104.658930°



VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Powers 30N - 27HZ (430972)

CO # COP0231

Date of Assessment - 06/24/2015

Transect ID - Reclaim Transect 1

Length of Transect (ft.) - 400'

Transect Type



Reclamation



Reference

Inspector(s) (Name and Title) - Cody Booth- Environmental Specialist

Weather at Time of Inspection - Sunny, 80 degrees F

Method - Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	-		-		Litter
2	-		-		Bare Ground
3	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-
4	Grass	Thinopyrum intermedia	-		Bare Ground
5	-		-		Bare Ground
6	Grass	Other spp. 1	B-Grass	Other spp. 1	-
7	-		-		Bare Ground
8	Grass	Thinopyrum intermedia	-		Litter
9	-		-		Bare Ground
10	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-
11	-		-		Litter
12	-		-		Litter
13	-		-		Litter
14	Grass	Other spp. 1	-		Bare Ground
15	-		-		Bare Ground
16	-		-		Litter
17	Grass	Other spp. 1	B-Grass	Other spp. 1	-
18	Grass	Other spp. 1	-		Bare Ground
19	-		-		Bare Ground
20	-		-		Litter
21	Grass	Thinopyrum intermedia	-		Bare Ground
22	-		-		Bare Ground
23	Grass	Thinopyrum intermedia	-		Litter
24	-		-		Litter
25	Grass	Thinopyrum intermedia	-		Litter
26	Grass	Thinopyrum intermedia	-		Bare Ground
27	-		-		Bare Ground
28	-		-		Litter
29	-		-		Litter

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		-		Bare Ground
31	-		-		Bare Ground
32	-		-		Litter
33	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-
34	Grass	Thinopyrum intermedia	-		Litter
35	Grass	Thinopyrum intermedia	-		Bare Ground
36	Grass	Thinopyrum intermedia	-		Bare Ground
37	-		-		Bare Ground
38	Grass	Elymus trachycaulus	-		Bare Ground
39	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-
40	-		-		Litter
41	Grass	Elymus trachycaulus	-		Bare Ground
42	-		-		Bare Ground
43	Grass	Thinopyrum intermedia	B-Grass	Other spp. 1	-
44	-		-		Litter
45	Grass	Dactylis glomerata	-		Bare Ground
46	-		-		Bare Ground
47	Grass	Elymus trachycaulus	-		Bare Ground
48	-		-		Bare Ground
49	Grass	Other spp. 1	B-Grass	Other spp. 1	-
50	-		-		Bare Ground

Photo Requirements

Representative photo looking down the length of each transect; including reference area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo facing each cardinal direction (N, E, S, W) from the center looking past well heads.	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Representative photo down edge of disturbance	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the undisturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the disturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO

General Notes: Other grass species 1 is smooth brome. Vegetation is growing well. Significant cattle activity on the pad

INSPECTION CERTIFICATION

I certify that this document and all attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of termination.

Inspector (Name)

Cody Booth- Environmental Specialist

Cody Booth

Date: 06/24/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Powers 30N - 27HZ (430972)

CO # COP0231

Date of Assessment - 06/24/2015

Transect ID - Reclaim Transect 2

Length of Transect (ft.) - 400'

Transect Type



Reclamation



Reference

Inspector(s) (Name and Title) - Cody Booth- Environmental Specialist

Weather at Time of Inspection - Sunny, 80 degrees F

Method - Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	-		-		Litter
2	Grass	Thinopyrum intermedia	-		Litter
3	-		-		Bare Ground
4	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-
5	-		-		Bare Ground
6	Grass	Thinopyrum intermedia	-		Litter
7	-		-		Litter
8	-		-		Bare Ground
9	Grass	Other spp. 1	B-Grass	Other spp. 1	-
10	-		-		Litter
11	-		-		Litter
12	-		-		Litter
13	Grass	Thinopyrum intermedia	-		Litter
14	Grass	Other spp. 1	B-Grass	Other spp. 1	-
15	-		-		Bare Ground
16	Grass	Other spp. 1	-		Bare Ground
17	-		-		Litter
18	Grass	Other spp. 1	-		Bare Ground
19	Grass	Other spp. 1	B-Grass	Other spp. 1	-
20	-		-		Litter
21	-		-		Bare Ground
22	Grass	Other spp. 1	B-Grass	Other spp. 1	-
23	-		-		Bare Ground
24	-		-		Bare Ground
25	-		-		Litter
26	Grass	Hesperostipa comata	-		Bare Ground
27	Grass	Thinopyrum intermedia	-		Litter
28	Grass	Thinopyrum intermedia	-		Litter
29	-		-		Bare Ground

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		-		Bare Ground
31	-		-		Litter
32	Grass	Hesperostipa comata	-		Bare Ground
33	Grass	Thinopyrum intermedia	-		Bare Ground
34	-		-		Bare Ground
35	-		-		Litter
36	Grass	Other spp. 1	-		Bare Ground
37	-		-		Bare Ground
38	Forb	Other spp. 1	B-Forb	Other spp. 1	-
39	Grass	Thinopyrum intermedia	-		Bare Ground
40	-		-		Bare Ground
41	-		-		Litter
42	-		-		Bare Ground
43	Grass	Thinopyrum intermedia	-		Litter
44	Grass	Other spp. 1	-		Litter
45	-		-		Bare Ground
46	-		-		Bare Ground
47	-		-		Litter
48	-		-		Bare Ground
49	-		-		Bare Ground
50	Grass	Other spp. 1	-		Bare Ground

Photo Requirements

Representative photo looking down the length of each transect; including reference area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo facing each cardinal direction (N, E, S, W) from the center looking past well heads.	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Representative photo down edge of disturbance	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the undisturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the disturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO

General Notes: Other forb species 1 is sunflower. Other grass species one is smooth brome. Significant cattle activity at the site

INSPECTION CERTIFICATION

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Inspector (Name)

Cody Booth- Environmental Specialist

Cody Booth

Date: 06/24/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Powers 30N - 27HZ (430972)

CO # COP0231

Date of Assessment - 06/24/2015

Transect ID - Reference Transect 1

Length of Transect (ft.) - 400'

Transect Type

☐ Reclamation

☒ Reference

Inspector(s) (Name and Title) - Cody Booth- Environmental Specialist

Weather at Time of Inspection - Sunny, 82 degrees F

Method - Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	Grass	Hesperostipa comata	-		Bare Ground
2	-		-		Litter
3	-		-		Litter
4	Grass	Hesperostipa comata	B-Grass	Hesperostipa comata	-
5	Grass	Hesperostipa comata	B-Grass	Vulpia octoflora	-
6	Grass	Hesperostipa comata	-		Litter
7	Forb	Other spp. 1	-		Bare Ground
8	Forb	Other spp. 1	-		Bare Ground
9	Grass	Hesperostipa comata	B-Grass	Hesperostipa comata	-
10	Forb	Other spp. 1	-		Litter
11	-		-		Bare Ground
12	-		-		Bare Ground
13	-		-		Litter
14	-		-		Litter
15	Grass	Pascopyrum smithii (Agropyron)	-		Litter
16	-		-		Litter
17	-		-		Litter
18	Forb	Other spp. 2	B-Forb	Other spp. 2	-
19	-		-		Bare Ground
20	Forb	Other spp. 2	B-Forb	Other spp. 2	-
21	-		-		Litter
22	Grass	Elymus trachycaulus	-		Litter
23	Grass	Hesperostipa comata	-		Bare Ground
24	Grass	Vulpia octoflora	-		Bare Ground
25	Forb	Other spp. 2	B-Forb	Other spp. 2	-
26	Grass	Vulpia octoflora	-		Bare Ground
27	-		-		Bare Ground
28	Grass	Vulpia octoflora	-		Bare Ground
29	Grass	Thinopyrum intermedia	-		Litter

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		-		Litter
31	Forb	Other spp. 2	-		Bare Ground
32	-		-		Bare Ground
33	-		-		-
34	-		-		Bare Ground
35	-		-		Litter
36	Grass	Hesperostipa comata	-		Litter
37	Grass	Bouteloua gracilis	B-Grass	Bouteloua gracilis	-
38	Grass	Bouteloua gracilis	-		Bare Ground
39	Grass	Bouteloua gracilis	B-Grass	Bouteloua gracilis	-
40	Forb	Other spp. 2	B-Forb	Other spp. 2	-
41	-		-		Litter
42	Grass	Hesperostipa comata	B-Grass	Bouteloua gracilis	-
43	Grass	Hesperostipa comata	-		Litter
44	Grass	Vulpia octoflora	-		Litter
45	-		-		Bare Ground
46	Grass	Hesperostipa comata	-		Bare Ground
47	Grass	Vulpia octoflora	B-Grass	Vulpia octoflora	-
48	Grass	Vulpia octoflora	-		Bare Ground
49	Grass	Hesperostipa comata	B-Grass	Hesperostipa comata	-
50	Grass	Thinopyrum intermedia	B-Grass	Thinopyrum intermedia	-

Photo Requirements

Representative photo looking down the length of each transect; including reference area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo facing each cardinal direction (N, E, S, W) from the center looking past well heads.	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Representative photo down edge of disturbance	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the undisturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the disturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO

General Notes: Other forb species 1 is sunflower

INSPECTION CERTIFICATION

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Inspector (Name)

Cody Booth- Environmental Specialist



Date: 06/24/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Powers 30N - 27HZ (430972)

CO # COP0231

Date of Assessment - 06/24/2015

Transect ID - Reference Transect 2

Length of Transect (ft.) - 400'

Transect Type

☐ Reclamation

☒ Reference

Inspector(s) (Name and Title) - Cody Booth- Environmental Specialist

Weather at Time of Inspection - Sunny, 80 degrees F

Method - Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	Grass	Vulpia octoflora	B-Grass	Hesperostipa comata	-
2	-		-		Bare Ground
3	Grass	Vulpia octoflora	-		Bare Ground
4	Grass	Hesperostipa comata	-		Litter
5	-		-		Litter
6	-		-		Bare Ground
7	Grass	Vulpia octoflora	-		Litter
8	Grass	Bouteloua gracilis	B-Grass	Bouteloua gracilis	-
9	-		-		Litter
10	Forb	Other spp. 1	B-Grass	Bouteloua gracilis	-
11	Forb	Other spp. 1	-		Litter
12	Grass	Vulpia octoflora	-		Litter
13	Grass	Thinopyrum intermedia	-		Litter
14	Grass	Phleum prantense	-		Bare Ground
15	Grass	Vulpia octoflora	-		Bare Ground
16	-		-		Litter
17	Grass	Vulpia octoflora	-		Litter
18	-		-		Bare Ground
19	Grass	Vulpia octoflora	-		Bare Ground
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21	-		-		Litter
22	Grass	Hesperostipa comata	-		Litter
23	-		-		Bare Ground
24	Forb	Other spp. 1	-		Bare Ground
25	Grass	Other spp. 1	-		Bare Ground
26	-		-		Bare Ground
27	-		-		Bare Ground
28	Grass	Other spp. 1	-		Bare Ground
29	Grass	Vulpia octoflora	-		Litter

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	Grass	Other spp. 1	-		Bare Ground
31	Grass	Vulpia octoflora	B-Grass	Vulpia octoflora	-
32	-		-		Bare Ground
33	Forb	Other spp. 1	-		Bare Ground
34	Grass	Other spp. 1	-		Bare Ground
35	Grass	Vulpia octoflora	-		Litter
36	-		-		Bare Ground
37	Grass	Vulpia octoflora	-		Bare Ground
38	Grass	Other spp. 2	B-Grass	Other spp. 2	-
39	Grass	Vulpia octoflora	-		Bare Ground
40	-		-		Litter
41	Grass	Vulpia octoflora	B-Grass	Vulpia octoflora	-
42	-		-		Litter
43	-		-		Litter
44	Grass	Hesperostipa comata	B-Grass	Hesperostipa comata	-
45	Grass	Bouteloua gracilis	-		Bare Ground
46	-		-		Bare Ground
47	Grass	Vulpia octoflora	-		Bare Ground
48	Grass	Vulpia octoflora	-		Bare Ground
49	Grass	Hesperostipa comata	-		Bare Ground
50	Grass	Vulpia octoflora	B-Grass	Hesperostipa comata	-

Photo Requirements

Representative photo looking down the length of each transect; including reference area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo facing each cardinal direction (N, E, S, W) from the center looking past well heads.	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Representative photo down edge of disturbance	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the undisturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
Photo that documents the total cover of live perennial vegetation of the disturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO

General Notes:

INSPECTION CERTIFICATION

I certify that this document and all attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of termination.

Inspector (Name)

Cody Booth- Environmental Specialist



Date: 06/24/2015