



February 1, 2017

Mr. Mike Dinkel, RSM, CSEM
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)
BROWN 13C-26HZ (336245)
Kerr-McGee Oil & Gas Onshore LP (Operator: 47120)**

Dear Mr. Dinkel:

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 location 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 Dryland Pasture/ Sandy Soil Mix. This seed mixture was applied at 20 pounds pure live seed (pls) per acre, and is composed of Tetraploid Perennial Ryegrass (9.84%), Smooth Brome, Lincoln (9.33%), Sandberg Bluegrass (7.5%), Intermediate Wheatgrass (7.5%), Sand Dropseed (7.5%), Indian Ricegrass (7.5%), Green Needlegrass (7.5%), Sideoats Grama (7.5%), Intermediate Wheatgrass, Oahe (7.38%), Dahurian Wildrye (7.22%), Orchardgrass, Paiute (7.145%), Pubescent Wheatgrass Luna (6.675%), Switchgrass (5.00%), and Inert-Other (2.41%).

On June 2, 2016, modified step-point vegetation surveys were conducted on the reclaimed portion of the well pad, and on adjacent 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 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 116.60% of the 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 white background.

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

Attachments:

1. Vegetation Survey (Summary of Field Data)
2. Vegetation Survey Site Map
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)	BROWN 13C-26HZ (336245)
Assessment Date	6/2/2016
Inspector Name - Title	Jennie Schoedel - Environmental Scientist
Data Processor Name - Title	Jennie Schoedel - 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)
$(35 + 0 + 0) / 151 =$ 23.18%	$(32 + 0 + 0) / 161 =$ 19.88%

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 %)
$23.18\% / 19.88\% =$ 116.60%

Reclaim Area Vegetation

Foliar Cover	23.18%
Basal Cover	6.62%
Non Vegetated	58.28%
Noxious Weeds	11.92%
QA Total <i>(must equal 100)</i>	100.00%
Grass (Foliar)	35
Forb (Foliar)	0
Shrubs (Foliar)	0
Noxious Weed (Foliar)	16
Grass (Basal)	10
Forb (Basal)	0
Shrubs (Basal)	0
Noxious Weed (Basal)	2
Bare Ground	21
Litter	67
Rock	0
Total Occurrences	151

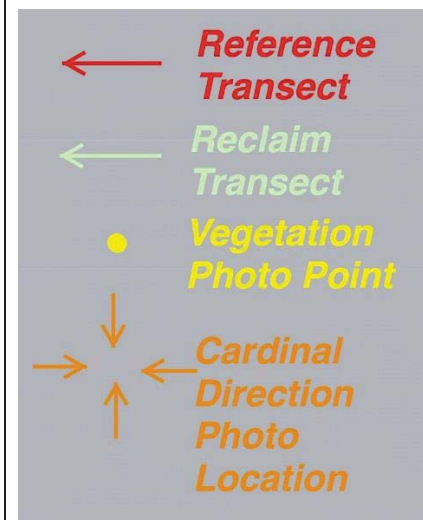
Reference Area Vegetation

Foliar Cover	19.88%
Basal Cover	5.59%
Non Vegetated	52.80%
Noxious Weeds	21.74%
QA Total <i>(must equal 100)</i>	100.00%
Grass (Foliar)	32
Forb (Foliar)	0
Shrubs (Foliar)	0
Noxious Weed (Foliar)	29
Grass (Basal)	9
Forb (Basal)	0
Shrubs (Basal)	0
Noxious Weed (Basal)	6
Bare Ground	2
Litter	83
Rock	0
Total Occurrences	161

Vegetation Survey Site Map

BROWN 13C-26HZ

(336245)



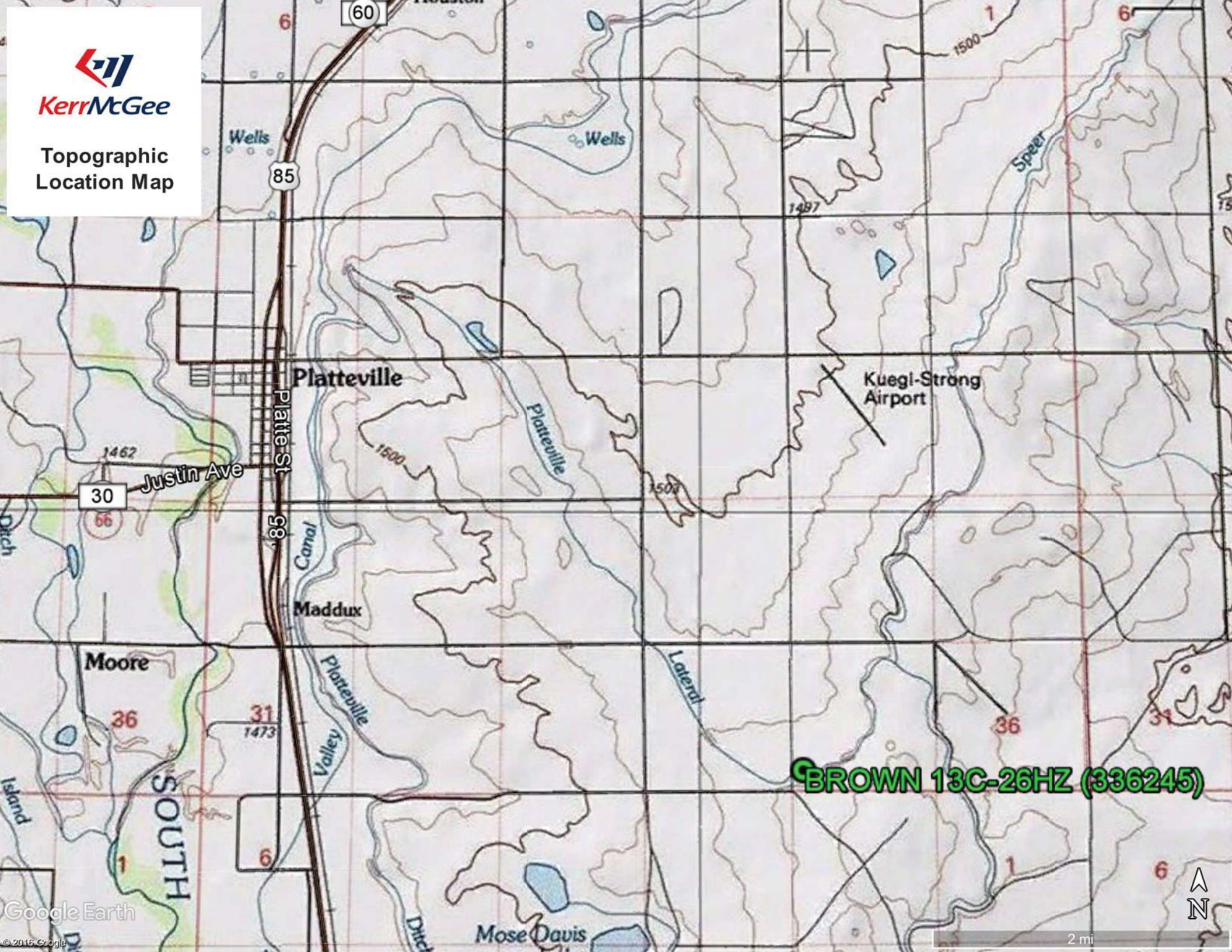
Legal Description: SWSW, Sec 35,
T3N-R66W
County: Weld

Land Use: Rangeland
Reference Area Cover: 19.88%
Reclamation Cover: 23.18%
Cover Ratio
(Reclaim/Reference): 116.60%

Inspector: J. Schoedel
Assessment Date: 06/02/2016



Topographic
Location Map



BROWN 13C-26HZ (336245)





Edge of Disturbance - Facing West
40.176866°/-104.752006°



**Kerr-McGee Oil & Gas Onshore LP
Form 4 (Interim Reclamation Completion Notice)
BROWN 13C-26HZ (336245)**

Vegetation Assessment
Completed (06/02/2016)



South of Disturbance - Facing North
40.176055°/-104.751834°



North of Disturbance - Facing South
40.176675°/-104.752081°



West of Disturbance - Facing East
40.176313°/-104.752504°



East of Disturbance - Facing West
40.176419°/-104.751467°



Reclaim Area Vegetation Photo Point
40.176161°/-104.752396°







Reference Area Vegetation Photo Point
40.176941°/-104.752591°



Reference Transect 1 - Facing North
40.176664°/-104.753289°



Reference Transect 1 - Facing East
40.176885°/-104.753018°



VEGETATION MONITORING FORM: Kerr-McGee Oil & Gas Onshore LP

COGCC Location Name (ID): BROWN 13C-26HZ (336245)

CO #: COP0280

Date of Assessment: 06/02/2016

Transect ID: Reclaim Transect 1

Length of Transect (ft.): 500

Transect Type:



Reclamation



Reference

Inspector(s) (Name and Title): Jennie Schoedel - Environmental Scientist

Weather at Time of Inspection: Clear, 80s

Method: Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	Grass	Secale cereale	-		Litter
2	-		-		Litter
3	Grass	Secale cereale	-		Litter
4	Grass	Secale cereale	B-Grass	Secale cereale	-
5	-		-		Litter
6	-		-		Bare Ground
7	Grass	Secale cereale	-		Litter
8	Grass	Secale cereale	B-Grass	Secale cereale	-
9	Noxious Weed	Bromus tectorum	-		Litter
10	-		-		Bare Ground
11	Grass	Secale cereale	-		Litter
12	Grass	Secale cereale	B-Grass	Secale cereale	-
13	-		-		Litter
14	Noxious Weed	Bromus tectorum	-		Litter
15	Noxious Weed	Bromus tectorum	-		Litter
16	-		-		Litter
17	Grass	Secale cereale	B-Noxious Weed	Bromus tectorum	-
18	Noxious Weed	Bromus tectorum	-		Litter
19	Grass	Bromus inermis	B-Grass	Bromus inermis	-
20	Grass	Secale cereale	-		Litter
21	-		-		Litter
22	Grass	Bromus inermis	-		Litter
23	Grass	Bromus inermis	B-Grass	Bromus inermis	-
24	Noxious Weed	Bromus tectorum	-		Litter
25	Grass	Secale cereale	-		Litter
26	-		-		Litter
27	-		-		Bare Ground
28	-		-		Bare Ground
29	Grass	Secale cereale	-		Litter

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		-		Litter
31	-		-		Litter
32	Noxious Weed	Bromus tectorum	-		Litter
33	-		-		Bare Ground
34	Grass	Bromus inermis	B-Grass	Bromus biebrsteinii	-
35	Noxious Weed	Bromus tectorum	-		Litter
36	-		-		Litter
37	Noxious Weed	Bromus tectorum	-		Litter
38	Grass	Bromus inermis	-		Litter
39	-		-		Litter
40	-		-		Litter
41	Grass	Bromus inermis	B-Grass	Bromus biebrsteinii	-
42	Grass	Bromus inermis	-		Litter
43	-		-		Litter
44	-		-		Bare Ground
45	-		-		Litter
46	-		-		Bare Ground
47	-		-		Bare Ground
48	Grass	Bromus inermis	-		Litter
49	-		-		Litter
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 edge of disturbance looking to 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 for the reference 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:

List any newly identified species not present in drop-down lists.

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)

Jennie Schoedel - Environmental Scientist



Date: 06/02/2016

VEGETATION MONITORING FORM: Kerr-McGee Oil & Gas Onshore LP

COGCC Location Name (ID): BROWN 13C-26HZ (336245)		CO #: COP0280	Date of Assessment: 06/02/2016
Transect ID: Reclaim Transect 2	Length of Transect (ft.): 500	Transect Type: <input checked="" type="checkbox"/> Reclamation <input type="checkbox"/> Reference	
Inspector(s) (Name and Title): Jennie Schoedel - Environmental Scientist			
Weather at Time of Inspection: Clear, 80s		Method: Step Point	

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	-		-		Litter
2	Grass	Secale cereale	-		Litter
3	Grass	Secale cereale	B-Noxious Weed	Bromus tectorum	-
4	-		-		Litter
5	-		-		Litter
6	Grass	Secale cereale	-		Litter
7	Noxious Weed	Bromus tectorum	-		Bare Ground
8	-		-		Litter
9	Grass	Secale cereale	B-Grass	Secale cereale	-
10	-		-		Litter
11	-		-		Litter
12	Noxious Weed	Bromus tectorum	-		Litter
13	Grass	Bromus inermis	B-Grass	Bromus inermis	-
14	-		-		Litter
15	Grass	Secale cereale	-		Litter
16	-		-		Bare Ground
17	Grass	Secale cereale	-		Litter
18	Grass	Secale cereale	-		Litter
19	Noxious Weed	Bromus tectorum	-		Litter
20	-		-		Bare Ground
21	Noxious Weed	Bromus tectorum	-		Litter
22	-		-		Bare Ground
23	-		-		Litter
24	-		-		Litter
25	Noxious Weed	Bromus tectorum	-		Litter
26	-		-		Bare Ground
27	Noxious Weed	Bromus tectorum	-		Litter
28	Grass	Bromus inermis	B-Grass	Bromus inermis	-
29	-		-		Bare Ground

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		-		Bare Ground
31	-		-		Litter
32	Grass	Bromus inermis	-		Litter
33	Noxious Weed	Bromus tectorum	-		Litter
34	Noxious Weed	Bromus tectorum	-		Litter
35	-		-		Litter
36	-		-		Bare Ground
37	Grass	Secale cereale	-		Litter
38	-		-		Bare Ground
39	Grass	Secale cereale	-		Bare Ground
40	-		-		Bare Ground
41	-		-		Litter
42	-		-		Litter
43	Grass	Secale cereale	-		Litter
44	-		-		Litter
45	-		-		Litter
46	Grass	Secale cereale	-		Litter
47	-		-		Litter
48	Grass	Secale cereale	-		Bare Ground
49	-		-		Litter
50	Grass	Secale cereale	-		Litter

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 edge of disturbance looking to well heads.	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	NO
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Inspector (Name)

Jennie Schoedel -Environmental Scientist



Date: 06/02/2016

VEGETATION MONITORING FORM: Kerr-McGee Oil & Gas Onshore LP

COGCC Location Name (ID): BROWN 13C-26HZ (336245)

CO #: COP0280

Date of Assessment: 06/02/2016

Transect ID: Reference Transect 1

Length of Transect (ft.): 500

Transect Type:

 Reclamation

 Reference

Inspector(s) (Name and Title): Jennie Schoedel - Environmental Scientist

Weather at Time of Inspection: Clear, 80s

Method: Step Point

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	Noxious Weed	Bromus tectorum	-		Litter
2	Noxious Weed	Bromus tectorum	-		Litter
3	-		-		Litter
4	Noxious Weed	Bromus tectorum	-		Litter
5	Grass	Bromus inermis	-		Litter
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7	Noxious Weed	Bromus tectorum	-		Litter
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9	Grass	Bromus inermis	B-Grass	Bromus inermis	-
10	-		-		Litter
11	Grass	Bromus inermis	-		Litter
12	Grass	Secale cereale	B-Grass	Secale cereale	-
13	-		-		Litter
14	-		-		Litter
15	Grass	Bromus inermis	B-Grass	Bromus inermis	-
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17	-		-		Litter
18	-		-		Litter
19	-		-		Litter
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24	Noxious Weed	Bromus tectorum	-		Litter
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27	-		-		Litter
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34	Noxious Weed	Bromus tectorum	-		Litter
35	-		-		Litter
36	Noxious Weed	Bromus tectorum	-		Litter
37	-		-		Litter
38	-		-		Litter
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42	-		-		Litter
43	Grass	Secale cereale	-		Litter
44	Noxious Weed	Bromus tectorum	-		Litter
45	Grass	Secale cereale	B-Noxious Weed	Bromus tectorum	-
46	Noxious Weed	Bromus tectorum	-		Litter
47	Grass	Secale cereale	B-Noxious Weed	Bromus tectorum	-
48	Grass	Secale cereale	B-Grass	Secale cereale	-
49	-		-		Litter
50	Noxious Weed	Bromus tectorum	-		Litter

Photo Requirements

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Date: 06/02/2016

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34	Grass	Bromus inermis	-		Litter
35	-		-		Litter
36	Noxious Weed	Bromus tectorum	-		Litter
37	Noxious Weed	Bromus tectorum	-		Litter
38	-		-		Litter
39	-		-		Litter
40	-		-		Litter
41	Noxious Weed	Bromus tectorum	-		Litter
42	-		-		Litter
43	-		-		Litter
44	Grass	Bromus inermis	-		Litter
45	Grass	Bromus inermis	-		Litter
46	-		-		Litter
47	Grass	Secale cereale	B-Grass	Secale cereale	-
48	-		-		Litter
49	Noxious Weed	Bromus tectorum	-		Litter
50	-		-		Litter

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