



January 14, 2016

Mr. Paul Schwarz
Anadarko Petroleum Corporation
1099 18th Street, Suite 1800
Denver, Colorado 80202

RE: Form 4 (Interim Reclamation Completion Notice)
Scott 28C-32HZ (Location: 331366)
Kerr McGee Oil & Gas Onshore LP (Operator: 47120)

Dear Mr. Schwarz:

Apex Companies, LLC (Apex) is pleased to present this letter to Anadarko Petroleum Corporation (Anadarko) and Kerr McGee Oil & Gas Onshore LP documenting the results of a vegetation assessment that demonstrates successful completion of interim reclamation efforts on the Scott 28C-32HZ (331366) location in Weld County, Colorado.

Based on communications with Anadarko personnel and subsequent site visits, Apex inspectors confirmed that the unused portions of the reduced production footprint have been stabilized and seeded with Anadarko Premium Irrigated Mix. This seed mixture consists of Tetraploid Perennial Ryegrass (24.94%), Orchardgrass, Potomac (24.49%), Meadow Brome (19.80%), Smooth Brome, Manchar (14.53%), and Orchardgrass, Crown Royal (13.60%).

On July 8, 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. All noxious weeds as defined 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 115.00% of the undisturbed reference area. Vegetation survey results are provided in the attached vegetation 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 Rule 1003.e (3) are also attached.

Apex appreciates the opportunity to provide environmental consulting services to Anadarko 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', is written over a horizontal line.

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

Attachments:

1. Vegetation Survey (Summary of Findings)
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 LLC
COGCC Location Name (ID)	Scott 28C-32HZ (331366)
Assessment Date	7/8/2015
Inspector Name - Title	Zac Tuthill - Environmental Scientist
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)
$(21 + 25 + 0) / 150 =$ 30.67%	$(0 + 39 + 0) / 146 =$ 26.71%

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:

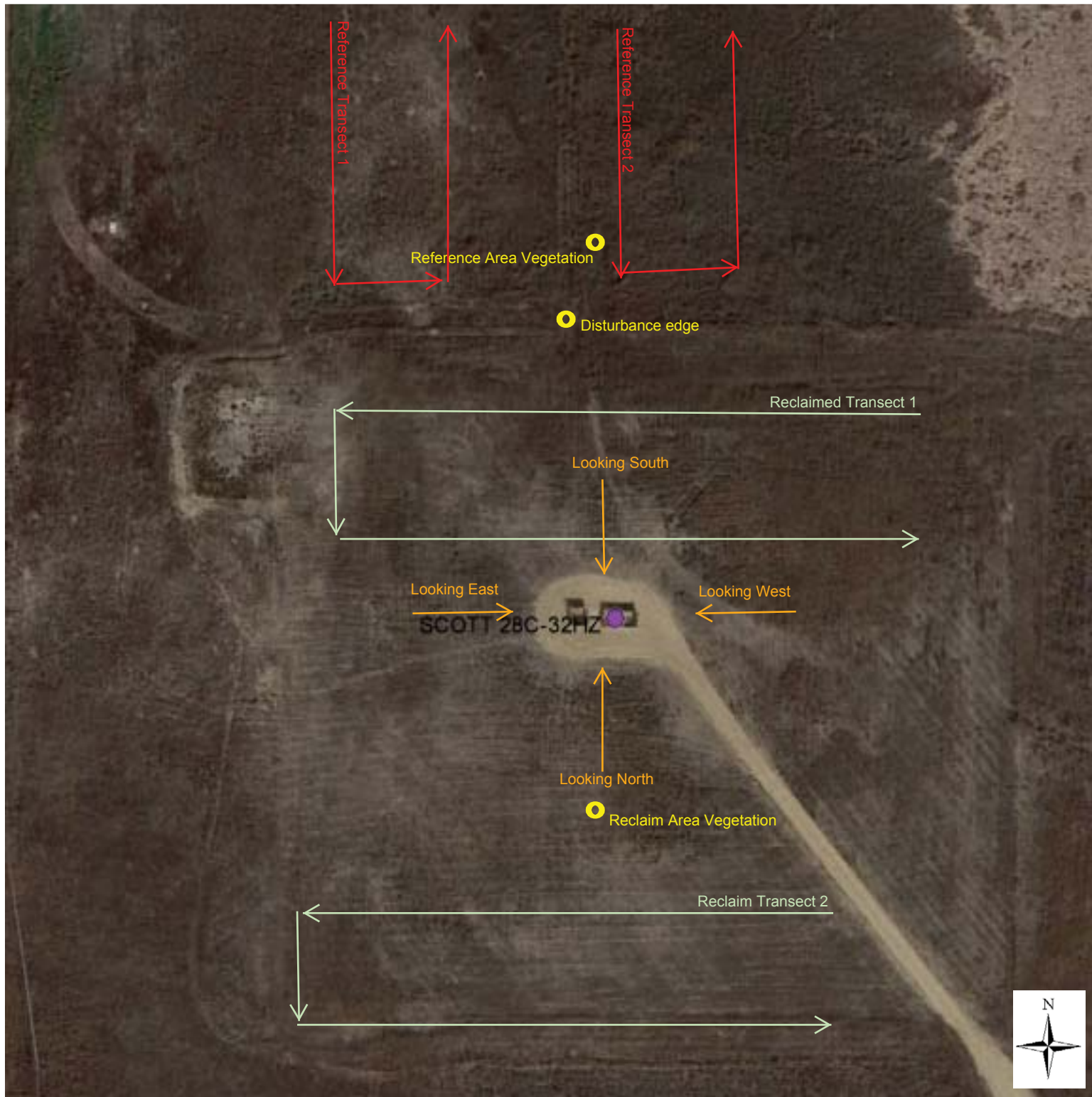
Percent of Reference (Reclaim % / Reference %)
$30.67\% / 26.71\% =$ 115%

Reclaim Area Vegetation

Foliar Cover	30.67%
Basal Cover	32.67%
Non Vegetated	35.33%
Noxious Weeds	1.33%
QA Total (must equal 100)	100.00%
Grass (Foliar)	21
Forb (Foliar)	25
Shrubs (Foliar)	0
Noxious Weed (Foliar)	1
Grass (Basal)	29
Forb (Basal)	20
Shrubs (Basal)	0
Noxious Weed (Basal)	1
Bare Ground	21
Litter	30
Rock	2
Total Occurrences	150

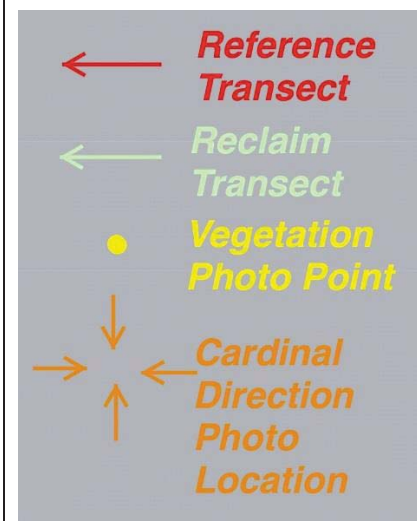
Reference Area Vegetation

Foliar Cover	26.71%
Basal Cover	12.33%
Non Vegetated	53.42%
Noxious Weeds	7.53%
QA Total (must equal 100)	100.00%
Grass (Foliar)	0
Forb (Foliar)	39
Shrubs (Foliar)	0
Noxious Weed (Foliar)	9
Grass (Basal)	0
Forb (Basal)	18
Shrubs (Basal)	0
Noxious Weed (Basal)	2
Bare Ground	7
Litter	70
Rock	1
Total Occurrences	146



Vegetation Survey Site Map

Scott 28C-32HZ
(331366)



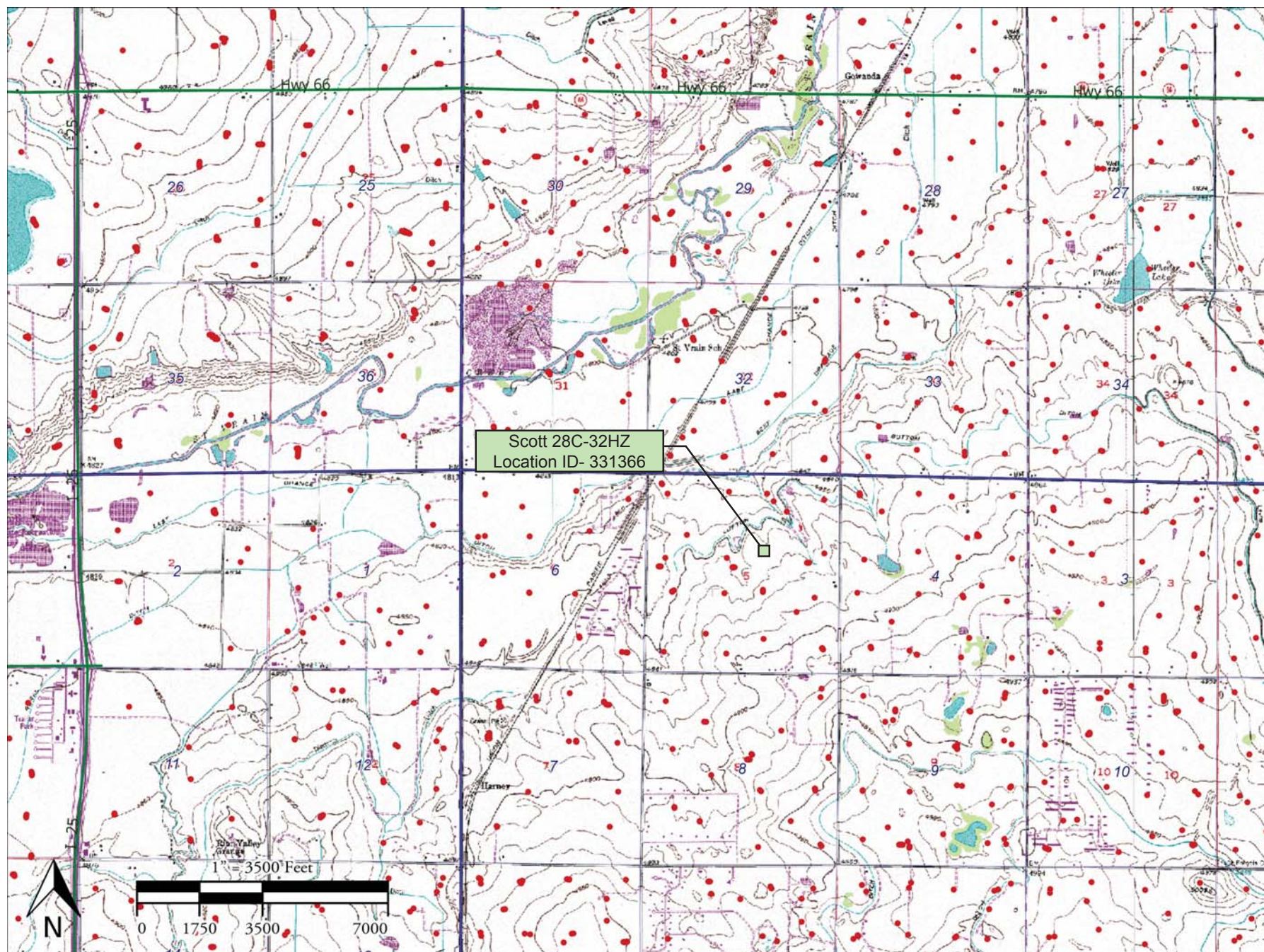
Legal Description: SWNE, Sec 5,
T2N-R67W
County: Weld

Land Use: Pasture
Reference Area Cover: 26.71%
Reclamation Cover: 30.67%
Cover Ratio
(Reclaim/Reference): 115%

Inspector: Zac Tuthill
Assessment Date: July 8, 2015



Scott 28C-32HZ (331366) Topographic Location Map



Edge of Disturbance on North Side of Pad
Looking East
40.169974°/-104.912208°



Kerr McGee Oil & Gas Onshore LP
Form 4 (Interim Reclamation Completion Notice)
Scott 28C-32HZ (331366)

Vegetation Assessment
Completed - July 8, 2015



Reclaim Area Vegetation
40.169015°/-104.912078°



Reclaim Transect 1
Looking West
40.169850°/-104.911201°



Reclaim Transect 2
Looking West
40.168949°/-104.911556°



Reference Area Vegetation
40.170249°/-104.912070°



Reference Transect 1
Looking South
40.170588°/-104.912985°



Reference Transect 2
Looking South
40.170633°/-104.912028°



VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Scott 28C - 32HZ (331366)	CO # COP0259	Date of Assessment - 07/08/2015
Transect ID - Reclaim Transect 1	Length of Transect (ft.) - 1350	Transect Type <input checked="" type="checkbox"/> Reclamation <input type="checkbox"/> Reference

Inspector(s) (Name and Title) - Zac Tuthill - Environmental Scientist 1

Weather at Time of Inspection - Overcast 66	Method - Step Point
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Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
1	-		-		Litter
2	-		-		Litter
3	Grass	Other spp. 1	B-Grass	Other spp. 1	-
4	Forb	Other spp. 1	B-Forb	Other spp. 2	-
5	Grass	Secale cereale	-		Bare Ground
6	Forb	Other spp. 2	B-Forb	Other spp. 2	-
7	Forb	Other spp. 2	-		Litter
8	Forb	Lactuca serriola	B-Grass	Other spp. 2	-
9	Forb	Other spp. 1	B-Forb	Salsola spp.	-
10	Grass	Other spp. 1	B-Forb	Other spp. 2	-
11	Noxious Weed	Onopordum acanthium	B-Noxious Weed	Onopordum acanthium	-
12	-		-		Litter
13	Forb	Other spp. 2	B-Grass	Elymus lanceolatus	-
14	-		-		Bare Ground
15	-		B-Grass	Other spp. 2	-
16	Forb	Lactuca serriola	B-Grass	Elymus lanceolatus	-
17	-		-		Bare Ground
18	Forb	Other spp. 1	B-Forb	Other spp. 1	-
19	-		B-Grass	Other spp. 2	Bare Ground
20	-		-		Rock
21	-		-		Bare Ground
22	Grass	Other spp. 2	-		Litter
23	Grass	Other spp. 2	-		Rock
24	Forb	Other spp. 2	-		Litter
25	-		-		Litter
26	Forb	Salsola spp.	-		Bare Ground
27	-		B-Grass	Elymus lanceolatus	-
28	-		B-Grass	Other spp. 1	-
29	Forb	Other spp. 1	B-Grass	Other spp. 2	-

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	-		B-Grass	Elymus lanceolatus	-
31	Forb	Other spp. 2	B-Grass	Other spp. 1	-
32	-		B-Grass	Other spp. 1	-
33	-		-		Bare Ground
34	Grass	Other spp. 2	B-Grass	Other spp. 2	-
35	-		-		Bare Ground
36	Grass	Other spp. 1	-		Litter
37	Forb	Other spp. 2	B-Grass	Other spp. 2	-
38	Grass	Secale cereale	-		Litter
39	-		-		Litter
40	Forb	Other spp. 2	B-Forb	Other spp. 2	-
41	Forb	Other spp. 1	B-Forb	Salsola spp.	-
42	Grass	Other spp. 2	-		Litter
43	-		B-Forb	Other spp. 2	-
44	-		-		Litter
45	-		-		Litter
46	-		-		Litter
47	-		-		Litter
48	-		B-Grass	Elymus lanceolatus	-
49	-		-		Litter
50	-		B-Forb	Other spp. 2	-

Photo Requirements

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

General Notes: Forb 1 is Helianthus. Forb 2 is kochia. Grass 1 is salt lander hybrid wheat. Grass 2 is unidentifiable, missing seed head etc.

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)

Zac Tuthill - Environmental Scientist 1



Date: 07/08/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Scott 28C - 32HZ (331366)

CO # COP0259

Date of Assessment - 07/08/2015

Transect ID - Relcaim Transect 2

Length of Transect (ft.) - 1350

Transect Type



Reclamation



Reference

Inspector(s) (Name and Title) - Zac Tuthill - Environmental Scientist 1

Weather at Time of Inspection - Overcast 66

Method - Step Point

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

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	Forb	Other spp. 1	-		Litter
31	-		-		Litter
32	-		-		Bare Ground
33	-		B-Grass	Other spp. 2	-
34	-		B-Grass	Other spp. 2	-
35	Forb	Other spp. 2	B-Grass	Secale cereale	Bare Ground
36	Forb	Salsola spp.	B-Forb	Salsola spp.	-
37	Forb	Other spp. 1	-		Bare Ground
38	-		B-Grass	Elymus lanceolatus	-
39	-		-		Litter
40	Forb	Other spp. 1	B-Forb	Other spp. 2	-
41	Grass	Elymus lanceolatus	-		Litter
42	-		-		Bare Ground
43	-		B-Forb	Other spp. 2	-
44	-		-		Litter
45	Grass	Secale cereale	B-Grass	Secale cereale	-
46	-		-		Litter
47	Grass	Secale cereale	-		Bare Ground
48	-		B-Forb	Other spp. 1	-
49	-		B-Forb	Other spp. 2	-
50	-		-		Litter

Photo Requirements

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

General Notes:

INSPECTION CERTIFICATION

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Inspector (Name)

Zac Tuthill - Environmental Scientist 1



Date: 07/08/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Scott 28C - 32HZ (331366)

CO # COP0259

Date of Assessment - 07/08/2015

Transect ID - Reference Transect 1

Length of Transect (ft.) - 750

Transect Type

☐ Reclamation

☒ Reference

Inspector(s) (Name and Title) - Tyler Dooley-Environmental Scientist

Weather at Time of Inspection - Cloudy 70

Method - Step Point

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

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	Noxious Weed	Onopordum acanthium	-		Litter
31	-		-		Litter
32	Forb	Salsola spp.	B-Forb	Salsola spp.	-
33	Forb	Salsola spp.	B-Forb	Salsola spp.	-
34	-		-		Bare Ground
35	-		-		Bare Ground
36	Forb	Salsola spp.	B-Forb	Salsola spp.	-
37	Forb	Onopordum acanthium	-		Litter
38	-		-		Litter
39	-		-		Litter
40	-		-		Bare Ground
41	Forb	Lactuca serriola	B-Forb	Lactuca serriola	-
42	-		-		Litter
43	-		-		Litter
44	Noxious Weed	Onopordum acanthium	B-Noxious Weed	Onopordum acanthium	-
45	Forb	Other spp. 1	-		Litter
46	-		-		Bare Ground
47	-		-		Litter
48	-		-		Litter
49	-		-		Litter
50	Forb	Salsola spp.	B-Forb	Salsola spp.	-

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:

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Inspector (Name)

Tyler Dooley-Environmental Scientist



Date: 07/08/2015

VEGETATION MONITORING FORM - Kerr McGee Oil & Gas Onshore LLC

COGCC Location Name (ID)- Scott 28C - 32HZ (331366)

CO # COP0259

Date of Assessment - 07/08/2015

Transect ID - Reference Transect 2

Length of Transect (ft.) - 750

Transect Type

☐ Reclamation

☒ Reference

Inspector(s) (Name and Title) - Tyler Dooley-Environmental Scientist

Weather at Time of Inspection - Cloudy 65

Method - Step Point

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

Point	Foliar		Basal		Non-Vegetative
	Type	Species	Type	Species	
30	Forb	Other spp. 1	B-Forb	Other spp. 1	-
31	-		-		Litter
32	Forb	Other spp. 1	B-Forb	Other spp. 1	-
33	Forb	Salsola spp.	B-Forb	Salsola spp.	-
34	Forb	Salsola spp.	B-Forb	Salsola spp.	-
35	-		-		Litter
36	-		-		Litter
37	-		-		Litter
38	Forb	Salsola spp.	B-Forb	Other spp. 1	-
39	-		-		Litter
40	-		-		Litter
41	-		-		Litter
42	Forb	Other spp. 1	B-Forb	Other spp. 1	-
43	Forb	Other spp. 1	B-Forb	Other spp. 2	-
44	-		-		Litter
45	-		-		Litter
46	-		-		Litter
47	Noxious Weed	Onopordum acanthium	-		Litter
48	Forb	Other spp. 1	-		Litter
49	-		-		Litter
50	-		-		Litter

Photo Requirements

Representative photo looking down the length of each transect; including reference area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
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Photo that documents the total cover of live perennial vegetation of the undisturbed area	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/> NO
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Inspector (Name)

Tyler Dooley-Environmental Scientist



Date: 07/08/2015