

**FORM
INSP**Rev
X/15**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

09/19/2017

Submitted Date:

09/19/2017

Document Number:

682402764**FIELD INSPECTION FORM**
 Loc ID 427917 Inspector Name: Binschus, Chris On-Site Inspection ☐ 2A Doc Num: _____
Operator Information:OGCC Operator Number: 10110Name of Operator: GREAT WESTERN OPERATING COMPANY LLCAddress: 1801 BROADWAY #500City: DENVER State: CO Zip: 80202**Status Summary:**

- ☐ THIS IS A FOLLOW UP INSPECTION
- ☐ FOLLOW UP INSPECTION REQUIRED
- ☒ NO FOLLOW UP INSPECTION REQUIRED

Findings:13 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Andrews, Doug		doug.andrews@state.co.us	
Arthur, Denise		denise.arthur@state.co.us	
Leonard, Mike		mike.leonard@state.co.us	
		ecreed@gwogco.com	Principal Agent
Ash, Margaret		margaret.ash@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
427723	WELL	DG	08/28/2017	LO	123-35099	Raindance FC 23-369HN	CI
427727	WELL	DG	08/29/2017	LO	123-35100	Raindance FC 23-369HC	CI
432197	WELL	DG	08/30/2017	LO	123-37004	Raindance FC 26-032HC	CI
451091	WELL	DG	07/11/2017		123-44982	Raindance FD 20-362HN	CI
451093	WELL	DG	07/06/2017		123-44983	Raindance FD 20-282HN	CI
451094	WELL	DG	07/09/2017		123-44984	Raindance FD 20-322HN	CI
451097	WELL	DG	07/10/2017		123-44987	Raindance FD 20-362HNNX	CI
451098	WELL	DG	07/10/2017		123-44988	Raindance FD 20-359HC	CI
451099	WELL	DG	07/08/2017		123-44989	Raindance FD 20-319HN	CI
451101	WELL	DG	07/08/2017		123-44990	Raindance FD 20-319HNNX	CI
451102	WELL	DG	07/07/2017		123-44991	Raindance FD 20-282HC	CI
451103	WELL	DG	07/06/2017		123-44992	Raindance FD 20-242HN	CI
451168	WELL	DG	08/30/2017		123-45007	Raindance FC 26-369HC	CI
451715	WELL	DG	08/27/2017		123-45196	Raindance FD 20-399HC	CI

General Comment:This is a construction and stormwater inspection.

Location Construction

Location ID: 427917 CDP: _____

Comment: Notice (Form 42 Notice of Construction) was not submitted 48 hours prior to beginning operations.

Corrective Action: Submit required notice as per Rule 316C

Date: 09/21/2017

Form 2A COAs:

Comment:

Corrective Action:

Date: _____

Wildlife BMPs:

Comment:

Corrective Action:

Date: _____

Comment:

Corrective
Action:

Date: _____

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____

Address: _____

Phone Number: _____

Cell Phone: _____

Operator Rep. Contact Information:

Landman Name: _____

Phone Number: _____

Date Onsite Request Received: _____

Date of Rule 306 Consultation: _____

Request LGD Attendance: _____

LGD Contact Information:

Name: _____

Phone Number: _____

Agreed to Attend: _____

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

Inspected Facilities				
Facility ID: <u>427723</u>	Type: <u>WELL</u>	API Number: <u>123-35099</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>427727</u>	Type: <u>WELL</u>	API Number: <u>123-35100</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>432197</u>	Type: <u>WELL</u>	API Number: <u>123-37004</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451091</u>	Type: <u>WELL</u>	API Number: <u>123-44982</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451093</u>	Type: <u>WELL</u>	API Number: <u>123-44983</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451094</u>	Type: <u>WELL</u>	API Number: <u>123-44984</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451097</u>	Type: <u>WELL</u>	API Number: <u>123-44987</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451098</u>	Type: <u>WELL</u>	API Number: <u>123-44988</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451099</u>	Type: <u>WELL</u>	API Number: <u>123-44989</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451101</u>	Type: <u>WELL</u>	API Number: <u>123-44990</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451102</u>	Type: <u>WELL</u>	API Number: <u>123-44991</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451103</u>	Type: <u>WELL</u>	API Number: <u>123-44992</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451168</u>	Type: <u>WELL</u>	API Number: <u>123-45007</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>
Facility ID: <u>451715</u>	Type: <u>WELL</u>	API Number: <u>123-45196</u>	Status: <u>DG</u>	Insp. Status: <u>CI</u>

Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: DRY LAND, IRRIGATED, RANGELAND, RECREATIONAL

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND
SEGREGATION

Pass _____

Comment

Operator did indicate that topsoil was salvaged and that "TOPSOIL" signs would be placed to indicate the location of the topsoil. Multiple stockpiles were observed throughout the pipeline R-O-W but unclear which were topsoil stockpiles. Appears there could have been topsoil stored along portions of the drilling pad but unclear which were topsoil stockpiles and which were portions of constructed berms.

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____ In Process _____

Comment

Some stockpiles appeared to be temporarily stabilized while other stockpiles were left unconsolidated. Operator indicated stockpiles that were not stabilized were currently being used to backfill flowline areas. Operator indicated that some stockpiles were from the mining company and not being used for oil and gas activities.

The Operator shall consider both short and long-term stabilization BMPs when stabilizing all stockpiles. Per Rule 1002, all stockpiles shall be protected from degradation due to contamination, compaction and, to the extent practicable, from wind and water erosion during drilling and production operations. Per Rule 1002, BMPs to prevent weed establishment and to maintain soil microbial activity shall be implemented.

Corrective Action _____

Date _____

1002E. SURFACE DISTURBANCE MINIMIZATION _____

Comment _____

Corrective Action _____

Date _____

1003a. Waste and Debris removed? _____

Comment _____

Corrective Action _____

Date _____

Unused or unneeded equipment onsite? _____

Comment _____

Corrective Action _____

Date _____

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____

Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____

Date _____

1003b. Area no longer in use? _____ Production areas stabilized ? _____

1003c. Compacted areas have been cross ripped? _____

1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____

Cuttings management: _____

1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____

Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____

Comment _____

Corrective Action _____ Date _____

Overall Interim Reclamation**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: COMMERCIAL, DRY LAND, IRRIGATED, RECREATIONAL, RESIDENTIAL _____

Reminder: _____

Comment: _____

Well plugged _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____ Locations, facilities, roads, recontoured _____

Compaction alleviation _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage _____

Weeds present _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment: _____

Corrective Action: _____ Date _____

Overall Final Reclamation _____ Well Release on Active Location ☐ Multi-Well Location ☐

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Rip Rap	Pass					Inlet and outlet areas of the culvert
Blankets	Pass					Eastern pipeline R-O-W
Silt Fences	Pass					
Sediment Traps	Pass					2 sediment basins around drilling pad
Waddles	Fail					Portions of Filtrexx have not been properly staked
Seeding	In Process					Portions around the drill pad
Mulching	Pass					May need maintenance along areas
Ditches	Pass					
Check Dams	Pass					
Gravel	Pass					
Culverts	Pass					

Comment: At the time of this inspection, the Operator has installed sufficient stormwater control BMPs. Areas along the drill pad have been mulched and seeded; however, there is not uniform germination and mulch was not observed along portions. May require additional stabilization while vegetation establishes. May also require additional reclamation activities for long-term self-sustaining stabilization. Silt fence BMP was installed in conjunction with other BMPs along the western and eastern pipeline R-O-W areas, and along eastern and northern drill pad areas. Refer to the attached inspection photos for more details.

Corrective Action:

Date: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
BMPs should remain in place and in proper functioning condition until the location is abandoned and final reclamation is achieved pursuant to Rule1004.	binschusc	09/19/2017

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
401408041	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4255000
682402765	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4254999