

**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: _____

Status Summary:

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

Operator Information:

OGCC Operator Number: 10110
Name of Operator: GREAT WESTERN OPERATING COMPANY LLC
Address: 1801 BROADWAY #500
City: DENVER State: CO Zip: 80202

Findings:

- 13 Number of Comments
- 1 Number of Corrective Actions
- Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Leonard, Mike		mike.leonard@state.co.us	
Arthur, Denise		denise.arthur@state.co.us	
Andrews, Doug		doug.andrews@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 20-362HNX	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 20-319HNX	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:

Corrective Action: 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 REVEGETATION

Cropland

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
Seeding	In Process					Portions around the drill pad
Waddles	Fail					Portions of Filtrexx have not been properly staked
Sediment Traps	Pass					2 sediment basins around drilling pad
Mulching	Pass					May need maintenance along areas
Rip Rap	Pass					Inlet and outlet areas of the culvert
Ditches	Pass					
Check Dams	Pass					
Gravel	Pass					
Silt Fences	Pass					
Blankets	Pass					Eastern pipeline R-O-W
Culverts	Pass					
<p>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.</p> <p>Corrective Action: <input type="text"/></p> <p>Date: _____</p>						
<p>Pits: <input type="checkbox"/> NO SURFACE INDICATION OF PIT</p>						

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
682402765	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4254999