

**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:

11/22/2017

Submitted Date:

11/29/2017

Document Number:

682403059**FIELD INSPECTION FORM**

Loc ID 452914	Inspector Name: Binschus, Chris	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____	Status Summary: <input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED Findings: 11 Number of Comments 1 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested
Operator Information: OGCC Operator Number: <u>10110</u> Name of Operator: <u>GREAT WESTERN OPERATING COMPANY LLC</u> Address: <u>1801 BROADWAY #500</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>				

Contact Information:

Contact Name	Phone	Email	Comment
,		cogccinspections@gwogco.com	All Inspections
Housey, Melissa		melissa.housey@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
452909	WELL	XX	11/05/2017		001-10090	B-Farm LD 18-039HC	CI
452910	WELL	XX	11/05/2017		001-10091	B-Farm LD 18-037HC	CI
452911	WELL	XX	11/05/2017		001-10092	B-Farm LD 18-036HN	CI
452912	WELL	XX	11/05/2017		001-10093	B-Farm LD 18-394HNX	CI
452913	WELL	XX	11/05/2017		001-10094	B-Farm LD 18-392HC	CI
452915	WELL	XX	11/05/2017		001-10095	B-Farm LD 18-034HN	CI
452916	WELL	XX	11/05/2017		001-10096	B-Farm LD 18-393HN	CI
452917	WELL	XX	11/05/2017		001-10097	B-Farm LD 18-392HN	CI
452920	WELL	XX	11/06/2017		001-10098	B-Farm LD 18-034HC	CI

General Comment:

This is a Construction and Stormwater Inspection in response to Form 42: Notice of construction- Document #401451360.

Location Construction

Location ID: 452914 CDP: _____

Comment: Upon inspection on November 22, 2017, COGCC staff observed the Operator had constructed a location with substantive modifications to the approved Form 2A (Document # 401088795). The total disturbance area was measured from the outermost disturbance which was the ditch BMP around the entire perimeter of the location. Based on the data collected in the field, using a Trimble handheld GPS unit, the disturbance encompassed approximately 22.33 acres, exceeding the permitted surface disturbance of 13.99 acres by 60%. This issue is being forwarded onto OGLA staff for further review. Refer to the attached inspection photos for more detail.

Corrective Action: _____ **Date:** _____

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>452909</u>	Type: <u>WELL</u>	API Number: <u>001-10090</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452910</u>	Type: <u>WELL</u>	API Number: <u>001-10091</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452911</u>	Type: <u>WELL</u>	API Number: <u>001-10092</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452912</u>	Type: <u>WELL</u>	API Number: <u>001-10093</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452913</u>	Type: <u>WELL</u>	API Number: <u>001-10094</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452915</u>	Type: <u>WELL</u>	API Number: <u>001-10095</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452916</u>	Type: <u>WELL</u>	API Number: <u>001-10096</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452917</u>	Type: <u>WELL</u>	API Number: <u>001-10097</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>
Facility ID: <u>452920</u>	Type: <u>WELL</u>	API Number: <u>001-10098</u>	Status: <u>XX</u>	Insp. Status: <u>CI</u>

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

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

Land Use: IRRIGATED

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND SEGREGATION _____ In _____

Comment Appears the Operator may have still been in-process of topsoil salvage operations during this inspection. There appeared to be topsoil stored along the southern perimeter of the location.

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____ In Process _____

Comment Operator shall consider both short and long-term stabilization BMPs when stabilizing all stockpiles to ensure compliance under Rule 1002.c.

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: IRRIGATED _____

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/outlet of culverts
Ditches	In Process					southwest and southeast need improvements
Silt Fences	In Process					southwest corner was taken down
		Tracking Pad	Pass			
Culverts	Pass					

Comment: Operator has installed silt fence BMP, except along the southeastern and southwest portion of the location, in conjunction with a ditch BMP around the perimeter of the location. Silt fence has been installed along portions of the downgradient slope of the access road. However, Operator needs to install additional BMPs along the access road next to the north culvert to protect sediment discharge into the wetland (see Photos 5 & 7). Operator needs to improve and implement BMPs along a portion of the southeastern and southwest perimeter of the location (see Photos 14 & 16). See COGCC Comments section for additional stormwater management information.

Corrective Action: Corrective Action #1: Install or repair required BMPs per Rule 1002.f. along the access road next to the north culvert by 12/6/2017 (see Photos 5 & 7). Corrective Action #2: Operator needs to improve and implement BMPs along a portion of the southeastern and southwest perimeter by December 27, 2017 (see Photos 14 & 16).

Date: 12/06/2017

Pits: ☐ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
BMPs shall be maintained at all times until the facility is abandoned and final reclamation is achieved pursuant to Rule 1004.	binschusc	11/29/2017
Operator shall install more permanent BMPs upon the completion of the construction operations in accordance with good engineering practices to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation (i.e., some form of a stabilized outlet device like a sediment trap).	binschusc	11/29/2017

Attached Documents

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

Document Num	Description	URL
682403061	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4313257