

**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:

08/29/2017

Submitted Date:

09/05/2017

Document Number:

682402706

FIELD INSPECTION FORM

Loc ID: 427157 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: 10459
Name of Operator: EXTRACTION OIL & GAS INC
Address: 370 17TH STREET SUITE 5300
City: DENVER State: CO Zip: 80202

Findings:

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

Contact Information:

Contact Name	Phone	Email	Comment
		COGCCInspections@extractionog.com	All inspections
Ford, Blake		bford@extractionog.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
427146	WELL	PR	04/07/2012	OW	123-34876	RANCHO WATER VALLEY 2-6-4	RI
427151	WELL	PR	04/07/2012	OW	123-34879	RANCHO WATER VALLEY 2-8-4	RI
427184	WELL	PR	04/07/2012	OW	123-34891	RANCHO WATER VALLEY 3-9-4	RI
431127	WELL	PR	07/17/2013	OW	123-36426	RANCHO WATER VALLEY 13 7-6-33-270-6-CH	RI
431128	WELL	PR	05/12/2015	SI	123-36427	RANCHO WATER VALLEY 5	RI
431129	WELL	PR	04/29/2013	OW	123-36428	RANCHO WATER VALLEY 11 7-7-33-270-6-CH	RI
431130	WELL	PR	05/12/2015	SI	123-36429	RANCHO WATER VALLEY 7	RI
431131	WELL	PR	05/12/2015	SI	123-36430	RANCHO WATER VALLEY 12	RI
431132	WELL	PR	05/12/2015	SI	123-36431	RANCHO WATER VALLEY 9	RI
431133	WELL	PR	05/12/2015	SI	123-36432	RANCHO WATER VALLEY 8	RI
431134	WELL	PR	05/12/2015	SI	123-36433	RANCHO WATER VALLEY 6	RI
431135	WELL	PR	05/12/2015	SI	123-36434	RANCHO WATER VALLEY 4	RI
431145	WELL	PR	05/12/2015	SI	123-36438	RANCHO WATER VALLEY 10	RI

General Comment:

This is a follow-up stormwater inspection to Field Inspection Report (FIR) Document #682402603 and in response to Field Inspection Report Resolution Document #401387547. This is also an Interim Reclamation inspection. See Interim Reclamation and Stormwater sections for more detail.

Inspected Facilities

Facility ID: <u>427146</u>	Type: <u>WELL</u>	API Number: <u>123-34876</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>427151</u>	Type: <u>WELL</u>	API Number: <u>123-34879</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>427184</u>	Type: <u>WELL</u>	API Number: <u>123-34891</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431127</u>	Type: <u>WELL</u>	API Number: <u>123-36426</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431128</u>	Type: <u>WELL</u>	API Number: <u>123-36427</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431129</u>	Type: <u>WELL</u>	API Number: <u>123-36428</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431130</u>	Type: <u>WELL</u>	API Number: <u>123-36429</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431131</u>	Type: <u>WELL</u>	API Number: <u>123-36430</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431132</u>	Type: <u>WELL</u>	API Number: <u>123-36431</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431133</u>	Type: <u>WELL</u>	API Number: <u>123-36432</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431134</u>	Type: <u>WELL</u>	API Number: <u>123-36433</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431135</u>	Type: <u>WELL</u>	API Number: <u>123-36434</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>431145</u>	Type: <u>WELL</u>	API Number: <u>123-36438</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>

Reclamation - Storm Water - Pit

Interim Reclamation:

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

Land Use: IMPROVED PASTURE, OTHER, RANGELAND

Comment: _____

1002 SITE PREPARATION AND STABILIZATION

1002a. FENCING _____

Comment _____

Corrective Action _____

Date _____

1002b. SOIL REMOVAL AND SEGREGATION _____

Comment _____

Corrective Action _____

Date _____

1002c. PROTECTION OF SOILS _____ Fail _____

Comment **Per Rule 1002.c., all stockpiled soils shall be protected from degradation due to contamination, compaction and, to the extent practicable, from wind and water erosion during drilling and production operations.**
Does not appear the Operator has repaired or implemented BMPs to protect the stockpile located along the northern location.

Corrective Action **Comply with Rule 1002.c. An extended corrective action date is provided to accommodate for interim reclamation activities to be performed.**

Date **10/16/2017**

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

RESTORATION AND REVEGETATION

Cropland

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

Non-Cropland

Top soil replaced _____ Recontoured Fail 80% Revegetation Fail

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 Does not appear areas no longer needed for production operations have been reclaimed per Rule 1003. Total disturbance appears to be approximately 10.6 acres. See COGCC Comments section for additional compliance information.

Corrective Action Comply with the 1003 Interim Reclamation rules. Areas needed for production operations shall be no larger than 4.2 acres per Document #401300313. Interim reclamation activities shall be completed no later than October 16, 2017.

Date 10/16/2017

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

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

Final Land Use: IMPROVED PASTURE, OTHER, RANGELAND _____

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 <input type="checkbox"/>	Well Release on Active Location <input type="checkbox"/>					
Multi-Well Location <input type="checkbox"/>						
Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Waddles	Fail					Straw bales and wattles along east perimeter
Retention Ponds	Pass					Northeast sediment basin
Rip Rap	Pass					
Check Dams	Pass					
Compaction	Fail					Fill slopes- see Picture 9
Silt Fences	Pass					S-Fence
Ditches	Pass					Connecting the sediment trap and sediment basin
Retention Ponds	Pass					Northwest sediment trap
Berms	Pass					Western berm
<p>Comment: Appears the Operator has implemented BMPs to control and manage stormwater runoff along the western and northwestern areas. However, it does not appear the Operator has repaired or implemented BMPs along the eastern cut slope and fill slopes where rill erosion is apparent. An extended corrective action date is provided to accommodate these issues during interim reclamation activities. Refer to the attached inspection photos for more details.</p> <p>Corrective Action: Install or repair required BMPs per Rule 1002.f.</p> <p>Date: 10/16/2017</p>						
<p>Pits: <input type="checkbox"/> NO SURFACE INDICATION OF PIT</p>						

COGCC Comments

Comment	User	Date
Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local county NRCS. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage this site until Interim Reclamation has passed.	binschusc	09/05/2017

Attached Documents

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

Document Num	Description	URL
401394678	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4243646
682402707	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4243633