

**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:

08/08/2017

Submitted Date:

08/09/2017

Document Number:

682402569**FIELD INSPECTION FORM**

Loc ID 427157	Inspector Name: Binschus, Chris	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____
------------------	------------------------------------	---	-------------------

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

Status Summary:

☐ THIS IS A FOLLOW UP INSPECTION

☒ FOLLOW UP INSPECTION REQUIRED

☐ NO FOLLOW UP INSPECTION REQUIRED

Findings:

18 Number of Comments

1 Number of Corrective Actions

☒ Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Ford, Blake		bford@extractionog.com	
		jrickard@extractionog.com	
,		COGCCInspections@extractionog.com	All inspections
Leonard, Mike		mike.leonard@state.co.us	

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 stormwater inspection. This is a short corrective action date due to erosion occurring off location into a wetland. COGCC staff, Chris Binschus, met with Operator representatives, Jeff Rickard and Blake Ford, at location on 8/8/17 to discuss stormwater erosion issues. Operator acknowledged stormwater erosion issues but believed that recent disturbances from a DCP pipeline just west and north of the Rancho location have compromised the contour of the location; therefore, the Operator was not responsible for erosion occurring off location. After meeting at location, COGCC staff conducted further review and consulted with other COGCC staff. See Stormwater section for more details.

Inspected Facilities									
Facility ID:	427146	Type:	WELL	API Number:	123-34876	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	427151	Type:	WELL	API Number:	123-34879	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	427184	Type:	WELL	API Number:	123-34891	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431127	Type:	WELL	API Number:	123-36426	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431128	Type:	WELL	API Number:	123-36427	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431129	Type:	WELL	API Number:	123-36428	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431130	Type:	WELL	API Number:	123-36429	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431131	Type:	WELL	API Number:	123-36430	Status:	PR	Insp. Status:	RI
Producing Well									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			

Facility ID:	431132	Type:	WELL	API Number:	123-36431	Status:	PR	Insp. Status:	RI
<u>Producing Well</u>									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431133	Type:	WELL	API Number:	123-36432	Status:	PR	Insp. Status:	RI
<u>Producing Well</u>									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431134	Type:	WELL	API Number:	123-36433	Status:	PR	Insp. Status:	RI
<u>Producing Well</u>									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431135	Type:	WELL	API Number:	123-36434	Status:	PR	Insp. Status:	RI
<u>Producing Well</u>									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			
Facility ID:	431145	Type:	WELL	API Number:	123-36438	Status:	PR	Insp. Status:	RI
<u>Producing Well</u>									
Comment:	PR, stormwater inspection								
Corrective Action:						Date:			

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 _____

Comment

Operator was not sure if the soil stockpile was topsoil or not. Soil stockpile needs long-term stabilization (i.e., establish vegetative cover) to prevent erosion, tracking alone is not a sufficient long-term stabilization BMP.

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: 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 _____ 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
Gravel	Fail					
Waddles	Fail					Straw bales and wattles along east perimeter
Compaction	Fail					
Seeding	Fail					

Comment: Stormwater erosion was observed throughout the Rancho Pad. Rill erosion was observed along the western perimeter, eastern cut slope, fill slopes, and the northern soil stockpile. Stormwater runoff is occurring along the northwest location from the western Rancho access road and from the northern Rancho location which is causing erosion off location into a wetland. Operator does not have sufficient stormwater BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Please refer to the attached inspection photos for more details.

Corrective Action: Install or repair required BMPs per Rule 1002.f. Operator needs to install BMPs and repair the gully erosion off location to prevent erosion into the wetland within 48 hours. The other mentioned erosion issues shall be completed as soon as practicable.

Date: 08/11/2017

Pits: ☐ NO SURFACE INDICATION OF PIT

Attached Documents

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

Document Num	Description	URL
401370554	INSPECTION SUBMITTED	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221384
682402571	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221382