

**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  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:**

- 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	<a href="#">All inspections</a>
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
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	427151	Type:	WELL	API Number:	123-34879	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	427184	Type:	WELL	API Number:	123-34891	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	431127	Type:	WELL	API Number:	123-36426	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	431128	Type:	WELL	API Number:	123-36427	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	431129	Type:	WELL	API Number:	123-36428	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	431130	Type:	WELL	API Number:	123-36429	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	
Facility ID:	431131	Type:	WELL	API Number:	123-36430	Status:	PR	Insp. Status:	RI
<b>Producing Well</b>									
Comment:	PR, stormwater inspection								
Corrective Action:								Date:	

Facility ID: <u>431132</u>	Type: <u>WELL</u>	API Number: <u>123-36431</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
<b><u>Producing Well</u></b>				
Comment: <a href="#">PR, stormwater inspection</a>				
Corrective Action:		Date:		
Facility ID: <u>431133</u>	Type: <u>WELL</u>	API Number: <u>123-36432</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
<b><u>Producing Well</u></b>				
Comment: <a href="#">PR, stormwater inspection</a>				
Corrective Action:		Date:		
Facility ID: <u>431134</u>	Type: <u>WELL</u>	API Number: <u>123-36433</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
<b><u>Producing Well</u></b>				
Comment: <a href="#">PR, stormwater inspection</a>				
Corrective Action:		Date:		
Facility ID: <u>431135</u>	Type: <u>WELL</u>	API Number: <u>123-36434</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
<b><u>Producing Well</u></b>				
Comment: <a href="#">PR, stormwater inspection</a>				
Corrective Action:		Date:		
Facility ID: <u>431145</u>	Type: <u>WELL</u>	API Number: <u>123-36438</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
<b><u>Producing Well</u></b>				
Comment: <a href="#">PR, stormwater inspection</a>				
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 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: 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	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221384">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221384</a>
682402571	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221382">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4221382</a>