

FORM INSP
Rev 05/11

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:
02/10/2016
Document Number:
673802881
Overall Inspection:
SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>159698</u>	<u>159698</u>	<u>Gomez, Jason</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 10459
Name of Operator: EXTRACTION OIL & GAS LLC
Address: 370 17TH STREET SUITE 5300
City: DENVER State: CO Zip: 80202

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED
- INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

Contact Information:

Contact Name	Phone	Email	Comment
		COGCCinspections@extracti onog.com	

Compliance Summary:

QtrQtr: SWL2 Sec: 7 Twp: 6N Range: 67W

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
159688	WELL	XX	01/16/2015		123-41007	Westwind 5	CI	X
159689	WELL	XX	01/16/2015		123-41008	Westwind 1	CI	X
159690	WELL	XX	01/16/2015		123-41009	Westwind 9	CI	X
159691	WELL	XX	01/16/2015		123-41010	Westwind 7	CI	X
159694	WELL	XX	01/16/2015		123-41011	Westwind 2	CI	X
159695	WELL	XX	01/16/2015		123-41012	Westwind 4	CI	X
159696	WELL	XX	01/16/2015		123-41013	Westwind 13	CI	X
159699	WELL	XX	01/16/2015		123-41014	Westwind 8	CI	X
159700	WELL	XX	01/16/2015		123-41015	Westwind 11	CI	X
159701	WELL	XX	01/16/2015		123-41016	Westwind 3	CI	X
159702	WELL	XX	01/16/2015		123-41017	Westwind 6	CI	X
159703	WELL	XX	01/16/2015		123-41018	Westwind 12	CI	X
159704	WELL	XX	01/16/2015		123-41019	Westwind 10	CI	X

Equipment:

Location Inventory

Predrill

Location ID: 159698

Site Preparation:

Lease Road Adeq.: SATISFACTORY Pads: SATISFACTORY Soil Stockpile: SATISFACTORY

S/AR: SATISFACTORY

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	andrewsd	Operator shall provide notice to COGCC 48 hours prior to commencing construction of this Oil and Gas Location via Form 42.	12/11/2014

S/AR: SATISFACTORY **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

BMP Type	Comment
Material Handling and Spill Prevention	<p>Leak Detention Plan: Pumper will visit the location daily and visually inspect all wellheads and fittings for leaks. Additionally, monthly documented SPCCP inspections are conducted pursuant to 40 CFR 112.</p> <p>Control of fire hazards: All material that is considered a fire hazard shall be a minimum of 25' from the wellhead. Electrical equipment shall comply with API IRP 500 and will comply with the current national electrical code.</p> <p>Operator shall comply with state and federal laws, rules and regulations governing the presence of any petroleum products, toxic or hazardous chemicals or wastes on the Subject lands.</p>
Pre-Construction	<p>Anti-Collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed wells. The anti-collision scan may include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, operators may have gyro surveys conducted to verify bottom hole location. The proposed well may only be drilled if the anti-collision review results indicate that the risk of collision is sufficiently low as defined by the anti-collision plan, with separation factors greater than 1.5, or if the risk of collision has been mitigated through other means including shutting in wells, plugging wells, increased drilling fluid in the event of lost returns or as is appropriate for the specific situation. In the event of an increased risk of collision, that risk will be mitigated to prevent harm to people, the environment or property. For the proposed well, upon conclusion of drilling operations, an as-constructed directional survey will be submitted to the COGCC with the Form 5.</p> <p>Identification of plugged and abandoned wells will be identified pursuant to 319.a.(5)</p>
Planning	<p>Multi-well Pads are located in a manner which allows for resource extraction while maintaining the highest distances possible from the offsetting residential areas and complies with the wishes of the surface owner.</p> <p>A meeting with the surface owner will determine the fencing plan.</p>
Emissions mitigation	<p>Green Completions - Emission Control System: Test separators and associated flow lines and sand traps shall be installed to accommodate green completions techniques pursuant to COGCC Rules. In the anticipated absence of a viable gas sales line, the flowback gas shall be thermally oxidized in an emissions control device (ECD), which will be installed and kept in operable condition for at least the first 90-days of production pursuant to CDPHE rules. This ECD shall have an adequate capacity for 1.5 times the largest flowback within a 10 mile radius, will be flanged to route gas to other or permanent oxidizing equipment and shall be provided with the equipment needed to maintain combustions where non-combustible gases are present.</p>
Construction	<p>Guy line anchors: All guy line anchors shall be brightly marked pursuant to Rule 604.c.(2)Q.</p>

Noise mitigation	The drill site will be powered by electricity, mitigating the majority of noise from drilling operations. Sound walls and/or hay bales will be used to surround the well site during drilling operations.
Odor mitigation	Equipment shall be operated in such a manner that odors and dust do not constitute a nuisance or hazard to public welfare. Oil and gas operations shall be in compliance with the Department of Public Health and Environment, Air Quality Control Commission, Regulation No. 2 Odor Emission, 5 C.C.R. 1001-4, Regulation No. 3 (5 C.C.R. 1001-5), and Regulation No. 7 Section XVII.B.1 (a-c) and Section XII.
Traffic control	Access Roads: The access road will be constructed to accommodate local emergency vehicles. This road will be maintained for access at all times. Traffic will be routed to minimize local interruption.
Noise mitigation	For this location, temporary sound walls will be installed along the west side and a portion of the north side. Hay bales will be utilized around the remainder of the location.
Dust control	Operator shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, regular road maintenance, restriction of construction activity during high- wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Additional management practices such as road surfacing, wind breaks and barriers, or automation of wells to reduce truck traffic may also be required if technologically feasible and economically reasonable to minimize fugitive dust emissions.
Noise mitigation	An ambient sound study will be performed before any operations take place and continuous monitoring will be installed for the duration of the drilling and completions. The monitors will be checked during operations, and if necessary, additional sound walls/hay bales will be installed immediately.
General Housekeeping	Visual Impacts: Equipment, regardless of construction date, which are observable from any public highway shall be painted with uniform, non-contrasting, non-reflective color tones (similar to the Munsell Soil Color Coding System), and with colors matched to, but slightly darker than, the surrounding landscape. Maintain appearance with garbage clean-up; a trash bin will be located on site to accumulate waste by the personnel drilling the wells. Site will have unused equipment, trash and junk removed immediately. Operator shall keep the Surface Use Area as well as any roads or other areas used by Operator safe and in good order, including control of noxious weeds litter and debris.
Drilling/Completion Operations	A closed –loop system will be used for drilling operations. Blowout Prevention Equipment (“BOPE”): A double ram and annular preventer will be used during drilling. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid. Lighting: Site lighting shall be directed downward and inward and shielded so as to avoid glare on public roads and Building Units within one thousand (1000) feet where possible. Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site. Bradenhead Monitoring: Operator acknowledges and will comply with COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.
Interim Reclamation	Operator shall be responsible for segregating the topsoil, backfilling, repacking, reseeding, and recontouring the surface of any disturbed area so as not to interfere with Owner’s operations and shall reclaim such area to be returned to pre-existing conditions as best as possible with control of all noxious weeds.
Final Reclamation	Within 90 days subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site. The Operator shall restore the surface of the Land affected by such terminated operations as near as possible to the previous state that existed prior to operations.

S/IAR: SATISFACTORY **Comment:**

CA: **Date:**

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
DITCHES	Yes	Vehicle Traking	Yes`

S/AR: SATISFACTORY

Corrective Action: _____ Date: _____

Comments: Erosion BMPs: _____

Other BMPs: _____

Comment: _____

Staking:

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:

Facility

Facility ID: 159688 Type: WELL API Number: 123-41007 Status: XX Insp. Status: CI

Complaint

Comment: **Complaint #: 200438985**

Field Inspector Assigned: Gomez, Jason

Complaint Received:

Date: 1/10/2016 Time

Contacted by Inspector:

Date: , Time (Military):

Well Number: 05-Choose an item.-Click here to enter text. Location #: 159698 Click here to enter text.

Inspection Document #: 673802881

Complainant: Phone:

Address:

Nature of complaint : Traffic

Field Inspector Actions:
 On 1-9-2016, I was contacted by COGCC staff in reference to a traffic complaint on WCR 13 complaining about traffic coming and going to the Westwind pad located north of Windsor.

Upon inspection the problem was not related to COGCC rules and was turned over to Troy Swain of Weld County. The complaint indicated the traffic from the location was travelling on WCR 13 causing several issues. As a result of the inspection I did not find any COA's or other COGCC rules governing these issues.

At the time of the inspection no violations of COGCC rules were observed.

Facility ID: 159689 Type: WELL API Number: 123-41008 Status: XX Insp. Status: CI

Facility ID: 159690 Type: WELL API Number: 123-41009 Status: XX Insp. Status: CI

Facility ID: 159691 Type: WELL API Number: 123-41010 Status: XX Insp. Status: CI

Facility ID: 159694 Type: WELL API Number: 123-41011 Status: XX Insp. Status: CI

Facility ID: 159695 Type: WELL API Number: 123-41012 Status: XX Insp. Status: CI

Facility ID: 159696 Type: WELL API Number: 123-41013 Status: XX Insp. Status: CI

Facility ID: 159699 Type: WELL API Number: 123-41014 Status: XX Insp. Status: CI

Facility ID: 159700 Type: WELL API Number: 123-41015 Status: XX Insp. Status: CI

Facility ID: 159701 Type: WELL API Number: 123-41016 Status: XX Insp. Status: CI

Facility ID: 159702 Type: WELL API Number: 123-41017 Status: XX Insp. Status: CI

Facility ID: 159703 Type: WELL API Number: 123-41018 Status: XX Insp. Status: CI

Facility ID: 159704 Type: WELL API Number: 123-41019 Status: XX Insp. Status: CI

Environmental

Spills/Releases:

Type of Spill: _____ Description: _____ Estimated Spill Volume: _____
Comment: _____
Corrective Action: _____ Date: _____
Reportable: _____ GPS: Lat _____ Long _____
Proximity to Surface Water: _____ Depth to Ground Water: _____

Water Well:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

Field Parameters:

Sample Location: _____

Emission Control Burner (ECB): _____
Comment: _____
Pilot: _____ Wildlife Protection Devices (fired vessels): _____

Reclamation - Storm Water - Pit

Interim Reclamation:

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____
Land Use: IRRIGATED
Comment: _____
1003a. Waste and Debris removed? _____
CM _____
CA _____ CA Date _____
Unused or unneeded equipment onsite? _____
CM _____
CA _____ CA Date _____
Pit, cellars, rat holes and other bores closed? _____
CM _____
CA _____ CA Date _____
Guy line anchors marked? _____
CM _____
CA _____ CA 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 _____

1003 f. Weeds Noxious weeds? _____

Comment: _____

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 _____

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
Ditches	Pass			VT	Pass	

S/A/V: SATISFACTOR Corrective Date: _____

Y _____

Comment: _____

CA: _____

Pits: NO SURFACE INDICATION OF PIT