

January 18, 2017

Susan Arnold  
555 N 1<sup>st</sup> Avenue  
Greeley, CO 80631

Dear Ms. Arnold,

The Colorado Oil and Gas Conservation Commission (COGCC) received your complaint regarding noise/ vibration at your residence. Your complaint is documented in COGCC document number 200440670, which can be found via the "Complaints" link, on our website (<http://cogcc.state.co.us/>). COGCC staff investigated this complaint and documented the results in COGCC document number 200440798.

The following actions were taken to address your complaint:

- On 12/8/2016 COGCC Inspector Jason Gomez contacted you to discuss your complaint;
- Also on 12/8/2016 Mr. Gomez conducted an inspection of the Downtown Directional location, operated by Extraction Oil and Gas LLC (documented in Field Inspection Report [FIR] # 672500234, attached);
- During the inspection, Mr. Gomez observed that an upset condition caused by the cold temperatures was causing the emission control device (ECD) to burn excess volatile organic compounds (VOCs), which resulted in the vibration and noise you experienced at your home;
- While Mr. Gomez was on the location, Extraction personnel made adjustments to their equipment and the noise subsided; and
- Extraction made adjustments to their supervisory control and data acquisition (SCADA) equipment to prevent a similar upset condition from occurring in the future.

During the inspections Mr. Gomez did not observe any instances of non-compliance with COGCC rules, because an upset condition was present at the time of the inspection.

Based on the above described investigation, the COGCC has determined that no violations of COGCC rules occurred related to your complaint. Accordingly, the COGCC has closed the complaint and will not issue a notice of alleged violation (NOAV) related to this complaint.



Ms. Arnold  
January 18, 2017  
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If you have questions regarding this complaint or the investigation, please contact me.

Sincerely,

A handwritten signature in blue ink that reads "Megan J. Adamczyk". The signature is written in a cursive style with a large initial "M" and a stylized "J".

Megan Adamczyk, Complaint Specialist  
Phone: 888-235-1101  
Email: [dnr\\_cogcc.complaints@state.co.us](mailto:dnr_cogcc.complaints@state.co.us)

**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:

12/08/2016

Submitted Date:

12/20/2016

Document Number:

672500234**FIELD INSPECTION FORM**
 Loc ID 432599 Inspector Name: Gomez, Jason On-Site Inspection ☐ 2A Doc Num:                     
**Operator Information:**OGCC Operator Number: 10459Name of Operator: EXTRACTION OIL & GAS LLCAddress: 370 17TH STREET SUITE 5300City: DENVER State: CO Zip: 80202**Status Summary:**

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☐ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED

**Findings:**42 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
,		COGCCinspections@extracti onog.com	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
159748	WELL	PR	03/01/2016	LO	123-41027	DT-Habitat C4-5-6	PR
159749	WELL	PR	03/01/2016	LO	123-41028	DT-Forbes C7-5-6	PR
159750	WELL	PR	02/01/2016	LO	123-41029	DT-Martinez 1-5-6	PR
159751	WELL	PR	02/01/2016	LO	123-41030	DT-Martinez 3-5-6	PR
159752	WELL	PR	07/07/2015	LO	123-41031	DT-Habitat J3-5-6	PR
159753	WELL	PR	02/01/2016	LO	123-41032	DT-Martinez C5-5-6	PR
159755	WELL	PR	03/01/2016	LO	123-41034	DT-Forbes C6-5-6	PR
159758	WELL	PR	03/01/2016	LO	123-41037	DT-Martinez 2-5-6	PR
434714	WELL	PR	05/31/2014	OW	123-38292	DT-Habitat 4-5-6	PR
434715	WELL	PR	06/01/2015	OW	123-38293	DT-Habitat 2-5-6	PR
434716	WELL	PR	05/31/2014	OW	123-38294	DT-Habitat 3-5-6	PR
434717	WELL	PR	06/01/2015	OW	123-38295	DT-Habitat 1-5-6	PR
434718	WELL	PR	03/01/2016	LO	123-38296	DT-Forbes 2-5-6	PR
434719	WELL	PR	06/01/2015	OW	123-38297	DT-Forbes 5-5-6	PR
434720	WELL	PR	03/01/2016	LO	123-38298	DT-Forbes 3-5-6	PR
434721	WELL	PR	03/01/2016	LO	123-38299	DT-Forbes 1-5-6	PR
434722	WELL	PR	03/01/2016	LO	123-38300	DT-Forbes 4-5-6	PR

**General Comment:**

**Location**Overall Good: ☒

<b>Signs/Marker:</b>			
Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:	UNABLE TO GET RESPONSE FROM EMERGENCY CONTACT #		
Corrective Action:	"Install sign to comply with Rule 210.a." WITH ACTIVE EMERGENCY CONTACT #	Date:	12/15/2016
Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	

Emergency Contact Number:

Comment:

Corrective Action:

Date: \_\_\_\_\_

Overall Good: ☒

<b>Spills:</b>			
Type	Area	Volume	

In Containment: No

Comment:

☐ Multiple Spills and Releases?

<b>Fencing/:</b>			
Type	WELLHEAD		
Comment:	AG PANEL		
Corrective Action:		Date:	
Type	WELLHEAD		
Comment:	AG PANEL		
Corrective Action:		Date:	

<b>Equipment:</b>			corrective date
Type: Bird Protectors	# 20		
Comment:			
Corrective Action:		Date:	
Type: Pig Station	# 1		

Comment:			
Corrective Action:		Date:	
Type: Compressor	# 2		
Comment:	COMPRESSOR WENT DOWN DUE TO COLD WHEATHER CAUSING GAS TO GO TO ECD SCADA WAS ADJUSTED TO SHUT WELLS IN WHEN COMPRESSOR HAS A FAILURE DUE TO UPSET CONDITIONS		
Corrective Action:		Date:	
Type: Plunger Lift	# 17		
Comment:			
Corrective Action:		Date:	
Type: Ancillary equipment	# 1		
Comment:	500 BBL FRACK TANK 40.43541 -104.68407 NO SECOUNDARY CONTAINMENT		
Corrective Action:		Date:	
Type: Emission Control Device	# 8		
Comment:			
Corrective Action:		Date:	
Type: Gas Meter Run	# 4		
Comment:			
Corrective Action:		Date:	
Type: Horizontal Heated Separator	# 19		
Comment:			
Corrective Action:		Date:	
Type: VRU	# 1		
Comment:			
Corrective Action:		Date:	
Type: Bird Protectors	# 7		
Comment:			
Corrective Action:		Date:	
Type: Vertical Separator	# 3		
Comment:			
Corrective Action:		Date:	

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
USED OIL	1	300 BBLS	STEEL AST		40.435610,-104.682860
Comment:					
Corrective Action:					Date:

**Paint**

Condition	Adequate
Other (Content)	
Other (Capacity)	
Other (Type)	

Berms						
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance		
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate		
Comment:						
Corrective Action:				Date:		
Contents	#	Capacity	Type	Tank ID	SE GPS	
PRODUCED WATER	2	<100 BBLs	CONCRETE SUMP/VAULT		40.436200,-104.683690	
Comment:						
Corrective Action:				Date:		
Paint						
Condition						
Other (Content)						
Other (Capacity)						
Other (Type)						
Berms						
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance		
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate		
Comment:						
Corrective Action:				Date:		
Contents	#	Capacity	Type	Tank ID	SE GPS	
PRODUCED WATER	4	400 BBLs	FIBERGLASS AST		40.436200,-104.683690	
Comment: ANCHORED						
Corrective Action:				Date:		
Paint						
Condition	Adequate					
Other (Content)						
Other (Capacity)						
Other (Type)						
Berms						
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance		
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate		
Comment:						
Corrective Action:				Date:		
Contents	#	Capacity	Type	Tank ID	SE GPS	
CRUDE OIL	20	400 BBLs	STEEL AST		40.436200,-104.683690	
Comment: ANCHORED						
Corrective Action:				Date:		
Paint						
Condition	Adequate					
Other (Content)						

Other (Capacity)

Other (Type)

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficent	Base Sufficent	Adequate	
Comment:					
Corrective Action:				Date:	

**Venting:**

Yes/No	NO		
Comment:			
Corrective Action:		Date:	

**Flaring:**

Type		
Comment:		
Corrective Action:		Date:

<b>Inspected Facilities</b>			
Facility ID: <u>159748</u>	Type: <u>WELL</u>	API Number: <u>123-41027</u>	Status: <u>PR</u> Insp. Status: <u>PR</u>
<b>Producing Well</b>			
Comment: <u>PR</u>			
Corrective Action:		Date:	
<b>Complaint</b>			
Comment:	<p><u>Complaint #: 200440671/200440670</u></p> <p><u>Field Inspector Assigned: Jason E. Gomez</u></p> <p><u>Complaint Received:</u></p> <p><u>Date: 12-8-2016 Time 0500 Hrs</u></p> <p><u>Contacted by Inspector:</u></p> <p><u>Date: Time 12-8-2016 0730 Hrs</u></p> <p><u>Well Number#:    Location #: 432599</u></p> <p><u>Inspection Document #: 672500234</u></p> <p><u>Complainant: Susan Arnold Phone: 970-381-1688</u></p> <p><u>Address: 555 N 1st Ave, Greeley, CO 80631</u></p> <p><u>Nature of complaint: Noise/Vibration</u></p> <p><u>Field Inspector Actions:</u>  On 12-8-2016, I was contacted by the complainant Susan Arnold in reference to vibrations and noise she was experiencing which she indicated was coming from the DT #1 Extraction location. The complainant said the noise was so loud it was causing her double doors on the west side of her home to shake.</p> <p><u>I performed a complete site inspection at locations. At the time of inspection, I found out from Extraction staff on scene that an upset condition was causing a ECD to burn excess VOC's and was causing the vibration and noise which the complaint was experiencing at her home. After Extraction made adjustments to their equipment the noise subsided at the complaints home.</u></p> <p><u>Extraction made adjustments to their SCADA equipment so this type of upset condition should not occur again</u></p> <p><u>At the time of inspection, I no violations of COGCC rules were observed as upset conditions were present at time of the inspection.</u></p>		
Corrective Action:		Date:	
<b>BradenHead</b>			
Comment: <u>PLUMBED TO SURFACE</u>			
Corrective Action:		Date:	
<b>Producing Well</b>			
Comment: <u>PR</u>			
Corrective Action:		Date:	



BradenHead			
Comment:	PLUMBED TO SURFACE		
Corrective Action:		Date:	

Facility ID:	Type:	API Number:	Status:	Insp. Status:
159750	WELL	123-41029	PR	PR

Producing Well			
Comment:	PR		
Corrective Action:		Date:	

BradenHead			
Comment:	PLUMBED TO SURFACE		
Corrective Action:		Date:	

Facility ID:	Type:	API Number:	Status:	Insp. Status:
159751	WELL	123-41030	PR	PR

Producing Well			
Comment:	PR		
Corrective Action:		Date:	

BradenHead			
Comment:	PLUMBED TO SURFACE		
Corrective Action:		Date:	

Facility ID:	Type:	API Number:	Status:	Insp. Status:
159752	WELL	123-41031	PR	PR

Producing Well			
Comment:	PR		
Corrective Action:		Date:	

BradenHead			
Comment:	PLUMBED TO SURFACE		
Corrective Action:		Date:	

Facility ID:	Type:	API Number:	Status:	Insp. Status:
159753	WELL	123-41032	PR	PR

Producing Well			
Comment:	PR		
Corrective Action:		Date:	

BradenHead			
Comment:	PLUMBED TO SURFACE		
Corrective Action:		Date:	

Facility ID:	Type:	API Number:	Status:	Insp. Status:
159755	WELL	123-41034	PR	PR

Producing Well			
Comment:	PR		
Corrective Action:		Date:	

<b><u>BradenHead</u></b>			
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>			
Corrective Action:		Date:	
Facility ID: <u>159758</u> Type: <u>WELL</u> API Number: <u>123-41037</u> Status: <u>PR</u> Insp. Status: <u>PR</u>			
<b><u>Producing Well</u></b>			
Comment: <span style="color: blue;">PR</span>			
Corrective Action:		Date:	
<b><u>BradenHead</u></b>			
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>			
Corrective Action:		Date:	
Facility ID: <u>434714</u> Type: <u>WELL</u> API Number: <u>123-38292</u> Status: <u>PR</u> Insp. Status: <u>PR</u>			
<b><u>Producing Well</u></b>			
Comment: <span style="color: blue;">PR</span>			
Corrective Action:		Date:	
<b><u>BradenHead</u></b>			
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>			
Corrective Action:		Date:	
Facility ID: <u>434715</u> Type: <u>WELL</u> API Number: <u>123-38293</u> Status: <u>PR</u> Insp. Status: <u>PR</u>			
<b><u>Producing Well</u></b>			
Comment: <span style="color: blue;">PR</span>			
Corrective Action:		Date:	
<b><u>BradenHead</u></b>			
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>			
Corrective Action:		Date:	
Facility ID: <u>434716</u> Type: <u>WELL</u> API Number: <u>123-38294</u> Status: <u>PR</u> Insp. Status: <u>PR</u>			
<b><u>Producing Well</u></b>			
Comment: <span style="color: blue;">PR</span>			
Corrective Action:		Date:	
<b><u>BradenHead</u></b>			
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>			
Corrective Action:		Date:	
Facility ID: <u>434717</u> Type: <u>WELL</u> API Number: <u>123-38295</u> Status: <u>PR</u> Insp. Status: <u>PR</u>			
<b><u>Producing Well</u></b>			
Comment: <span style="color: blue;">PR</span>			

Corrective Action:	Date:
<b><u>BradenHead</u></b>	
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>	
Corrective Action:	Date:
Facility ID: <u>434718</u> Type: <u>WELL</u> API Number: <u>123-38296</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	
<b><u>Producing Well</u></b>	
Comment: <span style="color: blue;">PR</span>	
Corrective Action:	Date:
<b><u>BradenHead</u></b>	
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>	
Corrective Action:	Date:
Facility ID: <u>434719</u> Type: <u>WELL</u> API Number: <u>123-38297</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	
<b><u>Producing Well</u></b>	
Comment: <span style="color: blue;">PR</span>	
Corrective Action:	Date:
<b><u>BradenHead</u></b>	
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>	
Corrective Action:	Date:
Facility ID: <u>434720</u> Type: <u>WELL</u> API Number: <u>123-38298</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	
<b><u>Producing Well</u></b>	
Comment: <span style="color: blue;">PR</span>	
Corrective Action:	Date:
<b><u>BradenHead</u></b>	
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>	
Corrective Action:	Date:
Facility ID: <u>434721</u> Type: <u>WELL</u> API Number: <u>123-38299</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	
<b><u>Producing Well</u></b>	
Comment: <span style="color: blue;">PR</span>	
Corrective Action:	Date:
<b><u>BradenHead</u></b>	
Comment: <span style="color: blue;">PLUMBED TO SURFACE</span>	
Corrective Action:	Date:
Facility ID: <u>434722</u> Type: <u>WELL</u> API Number: <u>123-38300</u> Status: <u>PR</u> Insp. Status: <u>PR</u>	

<b>Producing Well</b>			
Comment:	<div>PR</div>		
Corrective Action:	<div></div>	Date:	<div></div>

<b>BradenHead</b>			
Comment:	<div>PLUMBED TO SURFACE</div>		
Corrective Action:	<div></div>	Date:	<div></div>

Environmental	
<b>Spill/Remediation:</b>	
Comment:	
Corrective Action:	Date:
Emission Control Burner (ECB): YES	
Comment:	
Pilot: ON	Wildlife Protection Devices (fired vessels): YES

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

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Gravel	Pass			

Comment: Corrective Action: Date: **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
672500234	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4038319">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4038319</a>