

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:  
401728233  
Date Received:  
08/08/2018

## FIR RESOLUTION FORM

### CA Summary:

1 of 1 CAs from the FIR responded to on this Form

1 CA Completed  
0 Factual Review Request

### 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  
Contact Name and Telephone:  
Name: \_\_\_\_\_  
Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_  
Email: \_\_\_\_\_

### Additional Operator Contact:

Contact Name	Phone	Email
<u>Kraich, Adam</u>	<u>970-420-0536</u>	<u>Adam.Kraich@state.co.us</u>
<u>Gomez, Jason</u>		<u>jason.gomez@state.co.us</u>
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<u>Jeff Rickard</u>		<u>jrickard@extractionog.com</u>

### COGCC INSPECTION SUMMARY:

FIR Document Number: 691300424  
Inspection Date: 07/31/2018 FIR Submit Date: 08/08/2018 FIR Status: \_\_\_\_\_

### Inspected Operator Information:

Company Name: EXTRACTION OIL & GAS INC Company Number: 10459  
Address: 370 17TH STREET SUITE 5300  
City: DENVER State: CO Zip: 80202

### LOCATION - Location ID: 455340

Location Name: Rinn Valley West Number: \_\_\_\_\_ County: \_\_\_\_\_  
Qtrqtr: SESE Sec: 18 Twp: 2N Range: 68W Meridian: 6  
Latitude: 40.132044 Longitude: -105.040277

### FACILITY - API Number: 05-123-00 Facility ID: 455340

Facility Name: Rinn Valley West Number: \_\_\_\_\_  
Qtrqtr: SESE Sec: 18 Twp: 2N Range: 68W Meridian: 6  
Latitude: 40.132044 Longitude: -105.040277

### CORRECTIVE ACTIONS:

1 ☒ CA# 117844

Corrective Action: Comply with Rule 802. For low frequency issues, obtain a low frequency impact analysis and identify control measures.

Date: 08/11/2018

Response: CA COMPLETED

Date of Completion: 05/30/2018

Extraction had Principal perform a sound Impact Assessment on May 30, 2018 and identified that C-Scale sound

Operator Comment: levels at the house in the complaint would be 68.2dbC with a traditional drilling rig. Extraction took the action to bring in it's quietist drilling (Patterson 901), which was built to operate in sensitive areas, as a control measure, as this rig is much quieter.

Extraction will be putting hay bales up along the North West corner as a measure of good faith to control C-scale noise. However, Extraction would like it noted that, although the Leq was 67db, night time trends on the states own sound survey show the noise to be less than 65 at night time hours. As part of an assessment with the town of Frederick, 30 aggregate trucks in a 30 minute period drove along CR 20 1/2, which is where the house in question sits. This drives up the C-scale noise during the day, as the states survey shows, skewing the C-scale average high. The inspection fails to isolate the drilling as a sound source.

COGCC Decision: Approved

COGCC Representative: The sound study performed by the OGCC shows a clear exceedance of c-scale noise rule. Careful attention paid to the results of the sound study show spikes of c-scale beyond 65 db (C), occurring several times throughout the night, when aggregate trucks are not in operation, and country road traffic is at a minimum. It is also important to note, that there appears to be no ambient sound survey prior to drilling commencement. While the commission appreciates the use of a drilling rig that minimizes sound impacts, it appears, despite its best efforts to be operating at an excess of sound rule 802.d

802.d In situations where the complaint or Commission onsite inspection indicates that low frequency noise is a component of the problem, the Commission shall obtain a sound level measurement twenty-five (25) feet from the exterior wall of the residence or occupied structure nearest to the noise source, using a noise meter calibrated to the db(C) scale. If this reading exceeds 65 db(C), the Commission shall require the operator to obtain a low frequency noise impact analysis by a qualified sound expert, including identification of any reasonable control measures available to mitigate such low frequency noise impact. Such study shall be provided to the Commission for consideration and possible action.

#### OPERATOR COMMENT AND SUBMITTAL

Comment:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Jeff Rickard

Signed:

Title: Regulatory Compliance Coo

Date: 8/8/2018 3:45:39 PM

#### **ATTACHMENT LIST**

View Attachments in Imaged Documents on COGCC website (<http://ogccweblink.state.co.us/>) - Search by Document Number.

<u>Document Number</u>	<u>Description</u>
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401728233	FIR RESOLUTION SUBMITTED
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Total Attach: 1 Files