

**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:

09/15/2020

Submitted Date:

09/25/2020

Document Number:

688308531

FIELD INSPECTION FORMLoc ID 455758 Inspector Name: Sherman, Susan On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**

OGCC Operator Number: 26580

Name of Operator: BURLINGTON RESOURCES OIL & GAS LP

Address: 925 N ELDRIDGE PARKWAY

City: HOUSTON State: TX Zip: 77079

Status Summary:

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

Findings:

5 Number of Comments

2 Number of Corrective Actions

☒ Corrective Action Response Requested**ANY CORRECTIVE ACTION(S) FROM
PREVIOUS INSPECTIONS THAT HAVE NOT
BEEN ADDRESSED ARE STILL APPLICABLE****Contact Information:**

Contact Name	Phone	Email	Comment
Burn, Diana		diana.burn@state.co.us	
CrestonePeak Resources	303-268-3703	cogcc.inspections@crestonep r.com	Watkins Office Phone #
ConocoPhillips		COPColoradoReg@conocoph illips.com	All Inspections
Quint, Craig		craig.quint@state.co.us	
Ferrin, Jeremy		jeremy.ferrin@state.co.us	
Pesicka, Conor		conor.pesicka@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
455757	WELL	DG	04/12/2019	OW	005-07371	Tiberius 4-64 8-7 2AH	WO

General Comment:

Complaint/Frac Inspection during Frac of the Tiberius Multiwell Pad

As of 9/17/2020, 5 complaints were received by COGCC, including since 9/11/2020, for loud noise, traffic, air quality, and lighting. The complaints are on COGCC Form 18 document numbers: 200449181, 2004490182, 200449184, 2004490185 and 200449187. Inspector contacted all complaints either by phone or email per their request and was on location September 15, 18 and 23, 2020 to inspect, observe and take measurements. Loud noise was the biggest concern with one complaint being considered "unbearable" and also the inability to sleep by others. One complaint was referred to CDPHE for the noise causing health concerns (i.e., migraine headaches). Lighting and dust/smoke from the location were also seen at night by most of the complainants. Concern for both the public and truck drivers, about truck traffic/truck turning at the stop signs was also observed by two complainants and was referred to Arapahoe County LGD. See this inspection for 2 corrective actions and details.

Inspected Facilities

Facility ID: 455757 Type: WELL API Number: 005-07371 Status: DG Insp. Status: WO

Complaint

Comment: Five complaints were received by COGCC as of 9/17/2020, for loud noise, traffic, air quality, and lighting at the Tiberius Multiwell Pad Frac that started at 0700 on 9/4/2020. The complaints can be found on COGCC Form 18 document numbers: 200449181, 2004490182, 200449184, 2004490185 and 200449187.

Inspector was on location on 9/15/2020 at 2 pm to take sound readings during stage 28 of 50 for the CH well and stage 28 of 51 for the DH well. The 3M SoundPro DL data is attached and Detection Management Software was used to download and present the data. The data has an Leq of 61.8 dB with a maximum of 72 therefore below the Industrial Zone permissible noise levels of 80 dB(A)-7 am to 7 pm and 75 dB(A)-7 pm to 7 am per Rule 802b. Stimulation activities are in this Industrial Zone per Rule 802b(1). Wind was light during measurements. The attached graph of the sound data collected shows increased readings from the start of the sound test and at the end of the sound test because these readings were started east of the site and ended south of the site where there are no sound walls. The sound walls are on the north and west sides of location between the location and the subdivision. The 9/15/2020 readings were taken at the operator's monitoring locations around the site so as to compare data, however, operator would not give COGCC their sound data stipulating that COGCC could not ask for all sound data from the location during the frac. Inspector then requested sound data from 6 pm to 8 am from 9/12-18/2020 per a complainant's observation and was told that the operator's sound data was not for compliance. Inspector found the operators monitoring locations were more than 350' from the source (off by 90'-175') as specified in the COGCC Rule 802c(1) after measuring the stations from the location fence line. Per Rule 802c(1) a formula for readings taken at greater or lesser distances may be used and in this case added ~2dB to the readings putting the Leq at 63.8 dB and 74 dB max. On 9/17/2020 another complaint was received so inspector took more sound readings the next day from 1220 to 1430 on stage 36 of 50 for the AH well, 1430 to 1630 for stage 36 of 51 for the BH well and 1640 to 1848 on the CH well. Sound readings taken on 9/18/2020 were all below the Rule 802b levels of 80 dB during the day. Liberty's Silent Fleet was used on location for this frac. The complainants also noticed less loud noises since 9/15/2020. One noise complaint was sent by COGCC to CDPHE for possible health concerns for migraine headaches because of the loud noise.

When inspector arrived on location on 9/18/2020 she was delayed from entering as the person at the gate said she had to make calls before inspector could enter location and inspector was asked the reason for her visit. Inspector is also not allowed in the frac trailer.

Dust from frac sand and diesel smoke from the startup of some of the 16 pumps used to frac were visible on all three days of the inspection and was pointed out to operator's personnel onsite in addition to pointing lights down and at the 6 pm onsite safety meeting (see attached photos). Specifically, frac sand dust was observed by inspector at 1915 and 1939 on 9/15/2020. Diesel smoke from starting the frac pumps was also observed. Inspector was told that diesel was only used to ramp up the RPMs and CNG was used for the rest of the frac stage. Inspector observed frac pumps being taken in and out of service.

It was observed by two complainants that the frac box truck drivers were sometimes having issues navigating the stop signs needed to get to the location but they were also concerned for the truck drivers. Inspector discussed this at a 6 pm safety meeting on 9/18/2020 and was told that the truck drivers were all told to take care at those intersections. Arapahoe County LGD was made aware of the traffic issues.

The operator called inspector on the morning of 9/24/2020 to say that the frac was completed.

Corrective Action: Comply with the lighting requirements in Rule 803 and take actions to control fugitive dust per Rule 805.c.

Date: 10/05/2020

BradenHead

Date of Last Brhd Test: _____ Annual Brhd Completed? _____ #Error _____

Last Brhd Test Results Initial Surf Csg Pressure: _____ Fluid Type: _____

End Surf Csg Pressure: _____

Comment: On 9/15/2020 Inspector was required by operator to view differenfrac screen in another trailer than frac trailer. She noticed incorrect bradenhead readings (-66 psi, etc.), told operator and readings were zeroed. On 9/18/2020 -210 psi was observed by the inspector on the BH well. The frac trailer was told of the reading and two workers were observed at the wellhead opening the needle nose valve on the bradenhead. Readings were again zeroed and inspector was told by operator personnel that this was normal. On 9/23/2020 inspector was told by operator personnel that the transducer cable was a 10K psi line and had been replaced with a 750 psi line. Operator personnel said that Cygnet data could be downloaded to show actual bradenhead readings.

10/05/2020

Corrective Action: **341. BRADENHEAD MONITORING DURING WELL STIMULATION OPERATIONS**
During stimulation operations, bradenhead annulus pressure shall be continuously monitored and recorded on all wells being stimulated.

Date:

This includes monitoring during fracs at the appropriate transducer scale for the bradenhead pressures, no zeroing of bradenhead readings between stages, and preferably monitoring the bradenhead pressures on the frac screen chart so that a pressure change can be detected immediately.

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

Document Num	Description	URL
688308595	Crestone Tiberius Multiwell Pad Frac Sound Chart	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5256293
688308596	Crestone Tiberius Multiwell Pad Frac Sound Data	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5256294
688308597	Crestone Tiberius Multiwell Pad Frac Sound Stat Data	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5256295
688308598	Crestone Tiberius Mutliwell Pad Frad Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5256296