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Brighton Fire
Brighton Fire
Adams County

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Comment
If an On-site Wastewater Treatment System is used then a permit will be required from Tri-County Health.
TCHD recommends the following for well permits and water rights holders located within one-half mile of the proposed oil and gas well as they are likely used or will be used for drinking water for
a. That the County or applicant notify owners of the wells or groundwater rights owners of the proposed and recommended testing parameters, procedures for selection of qualified sampling professionals and laboratories, and sharing of data; and
c. That the County refers well owners desiring guidance for wellhead protection to TCHD.
proposed potable water systems used by workers.
Non-potable water stored on site should be marked accordingly.
Secondary containment must be provided for all on site fuel storage.
Recommended use of vapor recovery equipment, green completion technology, verification of state and federal air quality permitting requirements and air pollution control regulations to mitigate potential air quality impacts.
Applicant is encouraged to follow best management practices for erosion control and dust mitigation.
Applicant is encouraged to adopt traffic control best management practices.
If possible, return the site to native habitat.
been used in another stream, river, lake, reservoir, pond, or wetland and may now be used in vicinity to Brighton Ditch.
If prairie dog towns are present on site then a burrowing owl survey should be conducted prior to earth moving activities. Additional guidance is provided in the attached letter.
Electrical equipment and device: Utilize electrical equipment and devices to the extent practicable in order
Chillers and chemicals to mask or neutralize hydrocarbon odors from drilling mud; ii. Squeegee to remove drilling fluids from drilling pipe as the pipe is removed from the wellbore; iii. Covered containers to store drilling mud; iv. Minimize use of diesel fuel
Management of exploration and production waste: The division recommends testing for and properly disposing of technologically enhanced naturally occurring radioactive materials (TENORM).
adequate takeaway capacity. i. Maximum utilization during green completions. Minimize flaring natural gas (reduce overall emissions)
area, so the division is recommending limited use of flares to the extent practicable to facilitate emission reduction.
Plugging and abandonment: Implement measures to control unnecessary and excessive venting during plugging
Brighton Fire provided an updated phone number for “non-emergency” calls.
Brighton Fire is requesting a summary card to assist first responders if/when responding to a call at the facility. The specific information requested is outlined in the attached letter.
Will Great Western be monitoring the site for emissions? If yes, please provide additional information.

Will the oil and gas wells have remote shut in capabilities? If so, how will that capability assist in the response to emergencies or minimize impacts in case of an emergency?

How frequently will the facility be inspected for mechanical integrity and emission leaks?

Has Great Western identified and contacted private water well owners located within one-half mile from the oil and gas well pad that will be tested for baseline conditions?

Please provide an overall site plan showing the location of the lease area on the larger parcel. Please include the setbacks of the well pad from all property lines and the nearest right-of-way, residential structures, etc. Staff is concerned about the proximity of residential uses adjacent to the site, as well as the pad visibility from Riverdale Road. The landscape must show adequate visual mitigation.

Screen fencing is required in addition to landscaping. All screen fencing must be located on the interior of the landscape. The submitted plan shows a chain link fence. Please revise the fence and provide the proposed elevation showing height, design, and materials.

The plan must include the proposed irrigation method (water truck, drip system, etc).

Response
NA
Great Western invited residents within a half mile of the facility to a neighborhood meeting. At this meeting, Great Western solicited attendees with water wells to participate in the COGCC-required baseline water sampling program. If any resident would like to discuss having their water well tested, please call Great Western Community Relations at 720-317-7989.
Bottled water is utilized
Comment Acknowledged
Secondary containment will be provided as required.
Great Western conducts our operations in accordance with applicable state and federal air quality regulations, including the use of vapor recovery equipment and green completions.
Erosion Control and dust mitigation BMPs are included on the COGCC Form 2A.
Great Western will adopt traffic control BMPs to the extent practicable.
Great Western will follow reclamation regulations of the COGCC.
Comment Acknowledged
Great Western will follow appropriate regulations.
Great Western will utilize electrical equipment and devices as required by the regulations
Odor BMP listed on COGCC Form 2A will be followed.
Great Western will manage exploration and production waste in accordance with applicable regulations.
Prior to commercial production, Great Western plans to connect to a third party gas pipeline. We will utilize green completions, if technically feasible.
Great Western will minimize flaring to the extent practicable.
Great Western will implement measures to control unnecessary and excessive venting during plugging and abandonment operations.
This number has been included in the site-specific emergency response plan and will be included on the TRP card.
Great Western has notified Brighton Fire that the TRP Cards for this site and other sites in their district will be provided soon.
Great Western conducts monitoring during drilling and completions and performs frequent inspections during production (AVO and LDAR).

Yes our sites are programmed with remote shut in capabilities. This capability allows us to remotely access the Control System on site and shut in any or all wells within seconds. This allows us to shut in the wells first then dispatch someone to site rather than having to go to site to shut them in.

We are required to perform AVO (audio/visual/olfactory) inspections any time we are onsite. This allows us to catch emissions leaks as they occur. We are also required to perform periodic inspections with a FLIR camera to verify no other leaks are present. As for the mechanical integrity, we complete annual recorded pressure tests on all piping on site up to the Maximum Operating Pressure. Along with these tests, we have automated pressure gauges throughout our site that allow us to remotely monitor differential pressures on lines to help pinpoint a leak, if one were to occur. Great Western conducts ECD monitoring daily; AVO inspections weekly; and LDAR as required by Colorado Regulation 7 (initially estimated at monthly).

Great Western invited residents within a half mile of the facility to a neighborhood meeting. At this meeting, Great Western solicited attendees with water wells to participate in the COGCC-required baseline water sampling program. Additional outreach will be conducted if more water wells are needed to meet COGCC testing requirements. If any resident would like to discuss having their water well tested, please call Great Western Community Relations at 720-317-7989.

An overall site plan, depicting the entire parcel including the location of the oil and gas site, has been included with this letter. The existing subdivision parcel lines are visible for reference. Distances to the nearest property lines, right-of-ways, and residential structures are also included on the plan. Visual mitigation is proposed to be managed by installing a landscaped berm which will be placed around the site at the interim reclamation stage. The landscaping (and site grading) will include the construction of a 5 foot high earthen screening berm. The proposed landscaping will follow the Adams County requirements for industrial to residential bufferyard landscaping along the North, West, and South site edges per regulation 4-16-18-01 – Bufferyard D. The east site edge will be landscaped to meet the requirements for public ROW Bufferyard per regulation 4-16-19-01 – Option 5. (Please reference the Land Use Bufferyard Summary Table on sheet L102 of the Landscape Plan for compliance comparisons.)

Great Western Operating Company has elected to construct a 5 foot high earthen screening berm in lieu of a screening fence. The screening berm extends around the North (Land Use), West (Land Use), South (Land Use), and East (Public ROW) sides of the well site. The screening berm will provide a 5 foot high obscure screening of the site. The landscaping plan also shows landscape trees and shrubs, following the bufferyard regulations as noted in item 2, on the outside of the berm to provide additional natural screening above the berm. A section/elevation view of the berm and landscaping, in relation to the pad and adjacent land use, is included in detail 7 on sheet L103 of the Landscape Plan. Please consider the use of the 5 foot high screening berm and bufferyard landscaping to meet the screening requirements.

The landscape plan originally stated a landscape irrigation system would be installed as stated in note 8 on sheet L102. This note has been expanded to include design-build notes for a "landscape drip irrigation system" to be installed by the landscape subcontractor.

Comment 1
Comment 3
Comment 5

Landscaping is planned around the pad for visual mitigation. Currently, our setback requirements of more within a half mile of the facility to a neighborhood meeting. At this meeting, Great Western solicited attendees with water wells to participate in the COGCC-required baseline water sampling program. If any residents would like to discuss water well sampling on their property, please contact our Community Relations line at 720-317-7989.

Please contact Great Western's Community Relations line at 720-319-7989 with questions.

than 500' have been met.