

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 10633 Contact Name Kathy Denzer
Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC Phone: (720) 410-8519
Address: 1801 CALIFORNIA STREET #2500 Fax: ()
City: DENVER State: CO Zip: 80202 Email: RegulatoryState@crestonepr.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 001 00 OGCC Facility ID Number: 456566
Well/Facility Name: Fraser 3-64 33-32 Well/Facility Number:
Location QtrQtr: NESE Section: 33 Township: 3S Range: 64W Meridian: 6
County: ADAMS Field Name: WILDCAT
Federal, Indian or State Lease Number:

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

CHANGE OF LOCATION OR AS BUILT GPS REPORT

☐ Change of Location * ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

* Well location change requires new plat. A substantive surface location change may require new Form 2A.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude GPS Quality Value: Type of GPS Quality Value: Measurement Date:
Longitude

LOCATION CHANGE (all measurements in Feet)

Well will be: (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr NESE Sec 33

New **Surface** Location **To** QtrQtr Sec

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec

New **Top of Productive Zone** Location **To** Sec

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec Twp

New **Bottomhole** Location Sec Twp

Is location in High Density Area?

Distance, in feet, to nearest building , public road: , above ground utility: , railroad: ,

property line: , lease line: , well in same formation:

Ground Elevation feet Surface owner consultation date

FNL/FSL		FEL/FWL	
2170	FSL	865	FEL
Twp 3S	Range 64W	Meridian 6	
Twp	Range	Meridian	
			**
Twp	Range		
Twp	Range		
			**
			** attach deviated drilling plan

OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name FRASER 3-64 33-32 Number Effective Date:

To: Name Number

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form 2) – Well API Number has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number:

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☒ **DOCUMENTS SUBMITTED** Purpose of Submission: To Add Updated Directional Well Plat

RECLAMATION

INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

☐ Final Reclamation will commence approximately

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

Field inspection will be conducted to document Rule 1004.c. compliance

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned _____ Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT _____

☐ SPUD DATE: _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☐ NOTICE OF INTENT Approximate Start Date _____

☐ REPORT OF WORK DONE Date Work Completed _____

- | | | |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare | <input type="checkbox"/> E&P Waste Management Plan |
| <input type="checkbox"/> Change Drilling Plan | <input type="checkbox"/> Repair Well | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change | <input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request. | |
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |
| <input type="checkbox"/> Other _____ | | |

COMMENTS:

H2S REPORTING

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million) Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Planning	<p>Lighting Mitigation:</p> <ul style="list-style-type: none"> - During construction, no night work and no permanent lighting will be installed on the Site. Daylight operations only are performed during this phase of operation. - Crestone's development of the Fraser (the "Site") necessitates work activities to be performed 24 hours a day during drilling and completion phases, requiring the use of temporary and transient lighting to conform with nationally recognized industry and federally mandated safety standards. - A proposed 32-foot-high sound/visual wall (32-foot wall) will be installed on the East side of the site. - There will be 3-Fixture LED Telescoping Mobile Temporary Lighting Towers and 2-Fixture LED Flood Wall Mounted Lights that may be affixed to the 32-foot wall and lights permanently affixed to equipment. All lighting capable of adjustment will be directed inward, downward and shielded to avoid glare on public roads and to prevent light shining beyond the boundary of the Site, while at the same time providing a safe workplace that is free from recognizable hazards and complies with OSHA, ANSI and IESNA standards. - Drilling rig lights shall be angled and shielded to avoid direct light shining beyond the boundary of the site. - The lights will be inward, pointing away from residents and none of the lights are directed outward. - Concurrent to the commencement of any operational changes (e.g., at the end of drilling operations and at the start of hydraulic stimulation operations), a lighting self-audit of the site will be performed to ensure that there is not any rogue light coming from the site that may become a nuisance. - Once wells are in the production phase, no night work is anticipated, and no permanent lighting will be installed on the site. - Will use automation, timers, or motion sensors to control and minimize lighting when not needed. - Will use full cut-off lighting to better direct light, lighting colors that reduce lighting intensity and low-glare or no-glare lighting when possible.

2	Dust control	<ul style="list-style-type: none"> - Application of fresh water to disturbed areas during earth moving activities. - Application of fresh water or magnesium chloride to graveled surfaces of the Site and associated roads. - Use of high-quality construction materials such as crushed granite road base, which generates less dust than other aggregates. - Limit disturbance of natural vegetation to only that area that is reasonably necessary for construction. - Re-establishment of vegetation on disturbed areas not graveled. - Covered storage containers to be used for sand, silica, proppant or similar material during hydraulic fracturing. - Establish speed limit on all access roads of 20MPH or less. Personnel failing to comply will be subject to disciplinary action. - Establish speed limit on the Site of 5MPH or less. Personnel failing to comply will be subject to disciplinary action. - Curtail scope of work during high wind conditions (sustained winds 25MPH or greater). - Regular road maintenance will include adding gravel and grading when needed per the executed Road Maintenance Agreement between the Operator and City of Aurora. - Additional management practices such as road surfacing, natural wind breaks and barriers, or automation of wells to reduce truck traffic may also be utilized to minimize fugitive dust emissions. - Crestone will use a rock base tracking pad at the access point to help remove dirt and prevent debris from collecting on all access roads. As necessary, Crestone will sweep roads nearest the access point of dirt and debris to maintain a clean entrance. - Vertically track the stockpile by heavy equipment to prevent wind and water erosion. - During construction, salvaged topsoil will be seeded and monitored for erosion and the establishment of undesirable and noxious weeds routinely. - Seeding and straw mulch application will occur on the long-term topsoil storage stockpile during interim reclamation.
3	Noise mitigation	<ul style="list-style-type: none"> - A proposed 32-foot-high sound/visual wall (32-foot wall) will be installed on the East side of the site. - Acoustical panels will be added to equipment during fracing operations in order to remain in compliance with COGCC limits.
4	Odor mitigation	<ul style="list-style-type: none"> - Drilling rig engine exhausts are pointed straight up so as not to be directed towards any occupied buildings. - To mitigate the effects of odor from Crestone's operations, Crestone will employ only International Association of Oil & Gas Producers (IOGP) Group III drilling base fluids with <0.5 weight % aromatics and will not use drilling fluids based on diesel. These Group III drilling fluids are odorless and contain no BTEX. - Drilling mud chillers are used to keep drilling fluid temperatures low. (Low drilling fluid temperatures reduce the volume of fluid vaporized into the air.) - All drilling fluids will be routed through a closed loop system. - No open earthen pits to store fluids or drill cuttings. - Drill piping is wiped down each time the drilling operation "trips" out of the hole. - Drill cuttings are placed in metal bins and covered to minimize odors prior to being transported to the designated waste management facilities. - During the hydraulic fracturing process, diesel-fueled equipment is placed in a way that exhausts are pointed straight up to not direct exhaust towards any occupied buildings. - Tier II or Tier IV diesel engines are used during hydraulic fracturing operations where available. - During operations, tanks are sealed with a thief hatch to prevent emissions. - Emission Control Devices (Combustors) will be used to combust any flash gas from tanks. - During oil loadout operations, a Truck Loadout Vapor Recovery (TLVR) system will be used to capture and direct odorous air contaminants and emissions to a combustor.

Total: 4 comment(s)

Operator Comments:

An updated Directional Wellplat has been attached. BMPs have been added to the location per request from COGCC during the Form 2 refile process.

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

Signed: _____ Print Name: Andrea Gross
Title: Permit Agent Email: agross@upstreampm.com Date: 9/7/2021

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Housey, Melissa Date: 9/14/2021

CONDITIONS OF APPROVAL, IF ANY:**Condition of Approval****COA Type****Description**

0 COA

General Comments**User Group****Comment****Comment Date**

OGLA	Returned to Draft per Operator request to include the BMPs.	09/07/2021
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Total: 1 comment(s)

Attachment List**Att Doc Num****Name**

402799059	SUNDRY NOTICE APPROVED-DOC
402799090	DIRECTIONAL WELL PLAT
402810658	FORM 4 SUBMITTED

Total Attach: 3 Files