

FORM
2A

Rev
05/22

State of Colorado Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403944406

Date Received:

11/22/2024

Oil and Gas Location Assessment

This Oil and Gas Location Assessment is to be submitted to the ECMC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the ECMC website at <https://ecmc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID: **491637**

OGDP ID: **490857**

Expiration Date: **09/30/2028**

New Location Refile Amend Existing Location # _____

If this Location assessment is a component of an Oil and Gas Development Plan (OGDP) application, enter the OGDP docket number(s).

Docket Number	OGDP ID	OGDP Name
241100269		

If this Location assessment is part of an approved Oil and Gas Development Plan, enter the OGDP ID number(s).

OGDP ID Number	OGDP Name
490857	Bennett D OGDP

CONSULTATION

- This location is included in a Comprehensive Area Plan (CAP). CAP ID # _____
- This Location or its associated new access road, utility, or Pipeline corridor meets Rule 309.e.(2).A, B, or C.
- This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).
- This Location includes a Rule 309.e.(2).E variance request.
- This location includes a Rule 309.f.(1).A.ii. variance request.

Operator

Operator Number: 10633

Name: CRESTONE PEAK RESOURCES OPERATING LLC

Address: 555 17TH STREET SUITE 3700

City: DENVER State: CO Zip: 80202

Contact Information

Name: John Piekara

Phone: (303) 2947824

Fax: ()

email: dlockiespermitting@civiresources.com

FINANCIAL ASSURANCE FOR THIS LOCATION (check all that apply)

- Plugging, Abandonment, and Reclamation 20240061
- Centralized E&P Waste Management Facility _____
- Gas Gathering, Gas Processing, and Underground Gas Storage Facilities _____
- Surface Owner Protection Bond. _____

Federal Financial Assurance

- In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for one or more Wells on this Location.

Amount of Federal Financial Assurance \$ _____

LOCATION IDENTIFICATION

Name: Bennett D Number: Pad

Provide the location description and the latitude and longitude of a single point near the center of the Working Pad Surface as a reference for this Location.

Quarter: SWSE Section: 34 Township: 3S Range: 64W Meridian: 6 Ground Elevation: 5571
Latitude: 39.740597 Longitude: -104.533813
GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Date of Measurement: 09/24/2024

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is: LOCATION ID # FORM 2A DOC #

RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: ADAMS Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "Relevant Local Government approval of the siting of the proposed oil and gas location."

This proposed Oil and Gas Location is in an area designated as one of State interest and subject to the requirements of § 24-65.1-108, C.R.S. No

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this location? Yes

A siting permit application has been submitted to the Relevant Local Government for this proposed Oil and Gas Location: Yes

Date Relevant Local Government permit application submitted: 01/27/2025

Current status or disposition of the Relevant Local Government permit application for this proposed Oil and Gas Location: In Process

Status/disposition date: 01/27/2025

If Relevant Local Government permit has been approved or denied, attach final decision document(s).

Provide the contact information for the Relevant Local Government point of contact for the local permit associated with this proposed Oil and Gas Location:

Contact Name: Greg Dean Contact Phone: 720-523-6891

Contact Email: gdean@adcogov.org

PROXIMATE LOCAL GOVERNMENT INFORMATION

For every Proximate Local Government (PLG) associated with this proposed Oil and Gas Location, provide the PLG's point of contact and their contact information.

Type of Proximate Govt	County	Municipality	Contact Name	Contact Phone	Contact Email
Municipality		Aurora	Jeffrey S. Moore	303-739-7676	jsmoore@auroragov.org
County	ARAPAHOE		Ava Pecherzewski	720-874-6655	APecherzewski@arapa hoegov.com

FEDERAL PERMIT INFORMATION

A Federal drilling permit (or related siting application) has been submitted for this proposed Oil and Gas Location: No

Date submitted: _____

Current status or disposition of the Federal drilling permit (or related siting application) for this proposed Oil and Gas Location: Not yet submitted

Status/disposition Date: _____

If Federal agency permit has been approved or denied, attach the final decision document(s).

Provide the contact information of the Federal point of contact for the Federal permit associated with this proposed Oil and Gas Location.

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Field Office: _____

Additional explanation of local and/or federal process:

Crestone had a pre-application meeting with Adams County, including their staff, ECMC, CPW, CDPHE and Crestone on 11/6/2024.

Adams County Oil and Gas Facility (OGF2025-00001) permit has been filed.

Federal APDs will be required for four wells on this Location.

RELEVANT LOCAL GOVERNMENT OR FEDERAL PRE-APPLICATION CONSULTATION

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Did a pre-application Formal Consultation Process occur with the Relevant Local Government per Rule 301.f.(3)? Yes

Date of local government consultation: 11/06/2024

Did a pre-application Formal Consultation Process occur with the Federal land manager per Rule 301.f.(3)? No

Date of federal consultation: _____

Was an ALA that satisfies Rule 304.b.(2).C (or substantially equivalent information per Rule 304.e) developed during a federal or local government permit application process? If yes, attach the ALA to the Form 2A. No

ALA APPLICABILITY AND CRITERIA

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Does the proposed Oil and Gas Location meet any of the criteria listed in Rule 304.b.(2)B? Yes

If YES, indicate by checking the box for every Rule 304.b.(2).B criterion met by this proposed Location, and attach an ALA. See Rule 304.b.(2).B.i-x for full text of criteria.

- i. WPS < 2,000 feet from RBU/HOBU
- ii. WPS < 2,000 feet from School/Child Care Center
- iii. WPS < 1,500 feet from DOAA
- iv. WPS < 2,000 feet from jurisdictional boundary and PLG objects/requests ALA
- v. WPS within a Floodplain
- vi.aa. WPS within a surface water supply area
- vi.bb. WPS < 2,640 feet from Type III or GUDI well
- vii. WPS within/immediately upgradient of wetland/riparian corridor
- viii. WPS within HPH and CPW did not waive
- ix. Operator using Surface bond
- x. WPS < 2,000 feet RBU/HOBU/School within a DIC

Is the proposed Oil and Gas Location within the exterior boundaries of the Southern Ute Indian Reservation, and the Tribe objects to the Location or requests an ALA? If YES, attach an ALA to the Form 2A. No

Operator requests the Director waive the ALA requirement per Rule 304.b.(2).A.i:

Provide an explanation for the waiver request, and attach supporting information (if necessary).

ALTERNATIVE LOCATIONS DASHBOARD

List every alternative location reviewed and included in the ALA. Provide a latitude and longitude for the approximate center of the alternative location, all Rule 304.b.(2).B Criteria met, if a variance would be required to permit the location, and a brief comment on the key points of the alternative location.

304.b.(2).B.i-x Criteria Met:

#	latitude	longitude	i	ii	iii	iv	v	vi	vii	viii	ix	x	Variance Required?	Comments
	39.726940	-104.601350	x						x	x		x		AL #7 - Within 2,000' of 3 residential building units. Upgradient from a mapped wetland. Within a HPH. Within 2,000' of 3 RBUs in a DIC."
	39.742037	-104.497073												AL #3 - Would require additional location for full development
	39.741206	-104.567478	x											AL #1 - Within 2,000' of 1 residential building unit.
	39.749697	-104.522098	x											AL #2 - Within 2,000' of 1 residential building unit.
	39.729486	-104.487844							x	x				AL #6 - Upgradient from a mapped wetland. Within a HPH.
	39.730080	-104.543622	x						x					AL #4 - Within 2,000' of 8 residential building units. Upgradient from a mapped wetland.
	39.744449	-104.548489	x						x					AL #5 - Within 2,000' of 3 residential building units. Upgradient from a mapped wetland.

SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: CRESTONE PEAK RESOURCES
W

Phone: _____

Address: 555 17th St

Fax: _____

Address: Suite 3700

Email: SurfaceLand@civiresources.com

City: Denver State: CO Zip: 80202

Surface Owner at this Oil and Gas Location: Fee State Federal Indian

Check only one:

- The Operator/Applicant is the surface owner.
- The Operator has a signed Surface Use Agreement for this Location – attach SUA.
- All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the surface owner owns the minerals beneath this Location and is committed to an oil and gas lease – attach lease map or provide lease description.
- All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the Operator intends to use a surface bond per Rule 703 to secure access to this Location – attach lease map or provide lease description.

Surface Owner protection Financial Assurance type: N/A Surety ID Number: _____
 Mineral Owner beneath this Oil and Gas Location: Fee State Federal Indian
 Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes
 Lease description if necessary: _____

SITE EQUIPMENT LIST

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells	<u>26</u>	Oil Tanks	<u>0</u>	Condensate Tanks	<u>0</u>	Water Tanks	<u>2</u>	Buried Produced Water Vaults	<u>0</u>
Drilling Pits	<u>0</u>	Production Pits	<u>0</u>	Special Purpose Pits	<u>0</u>	Multi-Well Pits	<u>0</u>	Modular Large Volume Tank	<u>1</u>
Pump Jacks	<u>0</u>	Separators	<u>6</u>	Injection Pumps	<u>0</u>	Heater-Treaters	<u>0</u>	Gas Compressors	<u>2</u>
Gas or Diesel Motors	<u>0</u>	Electric Motors	<u>0</u>	Electric Generators	<u>0</u>	Fuel Tanks	<u>0</u>	LACT Unit	<u>0</u>
Dehydrator Units	<u>0</u>	Vapor Recovery Unit	<u>0</u>	VOC Combustor	<u>0</u>	Flare	<u>0</u>	Enclosed Combustion Devices	<u>1</u>
Meter/Sales Building	<u>5</u>	Pigging Station	<u>3</u>			Vapor Recovery Towers	<u>0</u>		

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Instrument air skid	1
Water surge vessel	1
Oil pump skid	6
Sale gas scrubber	1
3-Phase meters	26
Sales gas meter	2
Oil surge vessel	1
Fuel gas (FG) scrubber	1
LP knock out	1
Maintenance vessel	1
Water surge vessel	1
Water pump skid	4

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Temporary ECD	1
Temp 500bbl Produced Water Tank	8
Sand Cans	26
Frac Tanks (Flowback Sand Storage)	2

GAS GATHERING COMMITMENT

Operator commits to connecting to a gathering system by the Commencement of Production Operations? Yes

If the answer is NO, a Gas Capture Plan consistent with the requirements of Rule 903.e MUST be attached on the Plans tab.

FLOWLINE DESCRIPTION

Per Rule 304.b.(6), provide a description of all onsite and off-location oil, gas, and/or water flowlines.

Crestone will trench flowlines in one piping corridor that runs between the drill pad and the separators and be placed at 12" centers. These lines will most likely be 2" or 3" fusion bonded SCH160 steel pipe and have proper cathodic protection throughout the run. Crestone will then sweep up with a long radius that will tie off each line to the appropriate separator. All welds on these are 100% x-ray and hydro tested to the API and Manufacturers' specs for a class 1500 series flange. Also meets ASME code B31.4

CULTURAL DISTANCE AND DIRECTION

Provide the distance and direction to the nearest cultural feature as measured from the edge of the Working Pad Surface.

	Distance	Direction	Rule 604.b Conditions Satisfied (check all that apply):			Details of Condition(s)	604.b. (4)
			604.b. (1)	604.b. (2)	604.b. (3)		
Building:	486 Feet	NE					
Residential Building Unit (RBU):	1791 Feet	E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	NW					
Public Road:	229 Feet	S					
Above Ground Utility:	461 Feet	E					
Railroad:	4578 Feet	N					
Property Line:	150 Feet	S					
School Facility:	5280 Feet	W					
Child Care Center:	5280 Feet	E					
Disproportionately Impacted (DI) Community:	5280 Feet	W					
RBU, HOBU, or School Facility within a DI Community.	5280 Feet	W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

RULE 604.a.(2). EXCEPTION LOCATION REQUEST

- Operator requests an Exception Location Request from Rule 604.a.(2) [well is less than 150 feet from a property line]. Exception Location Request Letter and Waiver signed by offset Surface Owner(s) must be attached.

CULTURAL FEATURE INFORMATION REQUIRED BY RULE 304.b.(3).B.

Provide the number of each Cultural feature identified within the following distances, as measured from the Working Pad Surface:

	0-500 feet	501-1,000 feet	1,001-2,000 feet
Building Units	0	0	2
Residential Building Units	0	0	2
High Occupancy Building Units	0	0	0
School Properties	0	0	0
School Facilities	0	0	0
Designated Outside Activity Areas	0	0	0

CONSTRUCTION

Size of disturbed area during construction in acres: 22.96

Size of location after interim reclamation in acres: 7.42

Estimated post-construction ground elevation: 5572

DRILLING PROGRAM

Will a closed-loop drilling system be used? Yes

Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If YES, attach H2S Drilling Operations Plan.

Will salt sections be encountered during drilling: No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? Yes

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Surface hole drilling fluids will be disposed of in a Commercial Disposal Facility. Long-string drilling fluids will be recycled and reused.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

CURRENT LAND USE

Current Land Use: check all that apply per Rule 304.b.(9).

Crop Land: Irrigated Non-Irrigated Conservation Reserve Program (CRP)

Non-Crop Land: Rangeland Forestry Recreation Other

Subdivided: Industrial Commercial Residential

Describe the current land use:

Rangeland

Describe the Relevant Local Government's land use or zoning designation:

AG

Describe any applicable Federal land use designation:

N/A

FINAL LAND USE

Final Land Use: check all that apply per Rule 304.b.(9).

Crop Land: Irrigated Non-Irrigated Conservation Reserve Program (CRP)

Non-Crop Land: Rangeland Forestry Recreation Other

Subdivided: Industrial Commercial Residential

REFERENCE AREA INFORMATION

If Final Land Use includes Non-Crop Land (as checked above), the following information is required:

Describe landowner's designated final land use(s):

Rangeland

Reference Area Latitude: 39.744607

Reference Area Latitude: -104.534899

Provide a list of plant communities and dominant vegetation found in the Reference Area.

Plant Community	Dominant vegetation
Disturbed Grassland	Boutelous gracilis (Blue grama)
Disturbed Grassland	Pascopyrum smithii (western wheatgrass)
Disturbed Grassland	Rumex cirspus (curly doc)
Disturbed Grassland	Polygonum douglasii (douglass knotweed)

Noxious weeds present: No

SOILS

List all soil map units that occur within the maximum extent of the proposed Oil and Gas Location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" listing the typical vertical soil profile(s). This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS website at <https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/> or from the ECMC website GIS Online map page. Instructions are provided within the ECMC website help section.

NRCS Map Unit Name: Ascalon-Platner association (0 to 5 percent slopes)

NRCS Map Unit Name: Truckton loamy sand (3 to 9 percent slopes)

NRCS Map Unit Name:

GROUNDWATER AND WATER WELL INFORMATION

Provide the distance and direction, as measured from the Working Pad Surface, to the nearest:

water well: 939 Feet E

Spring or Seep: 5280 Feet N

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 42 Feet

Basis for estimated depth to and description of shallowest groundwater occurrence:

Loc Elev: 5571'
4478' SSE, Permit 249301- Depth 100', Static Water Level 91', Elev 5620'
(SWL calc: (5571 - 5620) + 91 = 42)

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 54 Feet W

in the 100-Series Rules, measured from the Working Pad Surface:

If less than 2,640 feet, is the Waters of the State identified above within 15 stream miles upstream of a Public Water System intake? No

Provide the distance and direction to the nearest downgradient wetland, measured from the Working

Pad Surface: 54 Feet W

Provide a description of the nearest downgradient surface Waters of the State:

NHD-Mapped "other" Wetland. Measurement provided to field verified boundaries of wetland. There is an additional NHD-Mapped intermittent lake/pond that was present per field verification.

If the proposed Oil and Gas Location is within a Rule 411.a Surface Water Supply Area buffer zone, select the buffer zone type: _____

Public Water System Administrator - Contact Name _____ Email _____

If the proposed Oil and Gas Location is within a Rule 411.b GUDI/Type III buffer zone, select the buffer zone type: _____

Public Water System Administrator - Contact Name _____ Email _____

Is a U.S. Army Corps of Engineers Section 404 permit required for the proposed Oil and Gas Location, access road, or associated pipeline corridor? No

If a U.S. Army Corps of Engineers Section 404 permit is required, provide the permit status, and permit number if available:

Is the Location within a Floodplain? No Floodplain Data Sources Reviewed (check all that apply):

Federal (FEMA) State County Local

Other

Does this proposed Oil and Gas Location lie within a Sensitive Area for water resources, as defined in the 100-Series Rules? Yes

CONSULTATION, WAIVERS, AND EXCEPTIONS

When Rule 309.e.(2) Consultation must occur, check all that apply:

- This location is included in a Wildlife Mitigation Plan
- This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within federally designated critical habitat or an area with a known occurrence for a federal or Colorado threatened or endangered species. Provide description in Comments section of Submit tab.
- This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within an existing conservation easement established wholly or partly for wildlife habitat. Provide description in Comments section of Submit tab.

When Rule 309.e.(3) Consultation is not required, check all that apply:

- This Oil and Gas Location has been included in a previously approved, applicable Wildlife Protection Plan.
- This Oil and Gas Location has been included in a previously approved, applicable Wildlife Mitigation Plan.
- This Oil and Gas Location has been included in a previously approved, applicable conservation plan.

Pre-application Consultation:

- A pre-application consultation with CPW, regarding this Oil and Gas Location, occurred _____ on:

CPW Waivers and Exceptions (check all that apply and attach all CPW waivers to this Form 2A):

- The applicant has obtained a Rule 304.b.(2).B.viii CPW waiver for the requirement to complete an ALA.
- The applicant has obtained a Rule 309.e.(2).G CPW waiver and consultation is not required.
- The applicant has obtained a Rule 309.e.(5).D.i CPW waiver and is requesting an exception from Rule 1202.c.(1).R.
-

The applicant has obtained a Rule 309.e.(5).D.ii CPW waiver and is requesting an exception from Rule 1202.c.(1).S.

- The applicant has obtained a Rule 309.e.(5).D.iii CPW waiver of Rule 1202.c.(1).T.
- The applicant has obtained a Rule 309.e.(5).D.iv CPW waiver and is requesting an exception from Rule 1202.c.(1) in accordance with an approved CAP.
- The applicant has obtained a Rule 1202.a CPW waiver.
- The applicant has obtained a Rule 1202.b CPW waiver.
- In accordance with Rule 1203.a.(3), the applicant requests an exception from compensatory mitigation Rule(s): _____

HIGH PRIORITY HABITAT AND COMPENSATORY MITIGATION

This Oil and Gas Location, associated access roads, utility, or Pipeline corridor falls wholly or partially within the following High Priority Habitats (Note: dropdown options are abbreviated - see Rule 1202 for full rule text):

< No row provided >

The following questions are for Oil and Gas Locations that cause the density to exceed one Oil and Gas Location per square mile in Rule 1202.d High Priority Habitat:

Direct Impacts:

Is Compensatory Mitigation required per Rule 1203.a for this Oil and Gas Location? No

Is a Compensatory Mitigation Plan proposed to address direct impacts for this Oil and Gas Location? No

Have all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

N/A

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Direct impact habitat mitigation fee amount: \$ 0

Indirect Impacts:

Is Compensatory Mitigation required per Rule 1203.d for this Oil and Gas Location? No

Is a Compensatory Mitigation Plan proposed to address indirect impacts for this Oil and Gas Location? No

Have all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

N/A

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Indirect impact habitat mitigation fee amount: \$ 0

Operator Proposed Wildlife BMPs

No BMP

CPW Proposed Wildlife BMPs

No BMP

AIR QUALITY MONITORING PROGRAM

Will the Operator install and administer an air quality monitoring program at this Location? Yes

Operator Proposed BMPs

No BMP

CDPHE Proposed COAs OR BMPs

No BMP

PLANS

Total Plans 15
Uploaded:

- (1) Emergency Spill Response Program consistent with the requirements of Rules 411.a.(4).B, 411.b.(5).B, & 602.j
- (2) Noise Mitigation Plan consistent with the requirements of Rule 423.a
- (3) Light Mitigation Plan consistent with the requirements of Rule 424.a
- (4) Odor Mitigation Plan consistent with the requirements of Rule 426.a
- (5) Dust Mitigation Plan consistent with the requirements of Rule 427.a
- (6) Transportation Plan
- (7) Operations Safety Management Program consistent with the requirements of Rule 602.d
- (8) Emergency Response Plan consistent with the requirements of Rule 602.j
- (9) Flood Shut-In Plan consistent with the requirements of Rule 421.b.(1)
- (10) Hydrogen Sulfide Drilling Operations Plan consistent with the requirements of Rule 612.d
- (11) Waste Management Plan consistent with the requirements of Rule 905.a.(4)
- (12) Gas Capture Plan consistent with the requirements of Rule 903.e
- (13) Fluid Leak Detection Plan
- (14) Topsoil Protection Plan consistent with the requirements of Rule 1002.c
- (15) Stormwater Management Plan consistent with the requirements of Rule 1002.f
- (16) Interim Reclamation Plan consistent with the requirements of Rule 1003
- (17) Wildlife Plan consistent with the requirements of Rule 1201
- (18) Water Plan
- (19) Cumulative Impacts Plan
- (20) Community Outreach Plan
- (21) Geologic Hazard Plan

VARIANCE REQUESTS

Check all that apply:

- This proposed Oil and Gas Location requires the approval of a Rule 502.a variance from ECMC Rule or Commission

Order number: _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

Check the boxes below for all Exemptions being requested. Lesser Impact Area Exemption Request must be attached, and will include all requested exemptions.

- | | |
|--|--|
| <input type="checkbox"/> 304.b.(1). Local Government Siting Information | <input type="checkbox"/> 304.c.(1). Emergency Spill Response Program |
| <input type="checkbox"/> 304.b.(2). Alternative Location Analysis | <input type="checkbox"/> 304.c.(2). Noise Mitigation Plan |
| <input type="checkbox"/> 304.b.(3). Cultural Distances | <input type="checkbox"/> 304.c.(3). Light Mitigation Plan |
| <input type="checkbox"/> 304.b.(4). Location Pictures | <input type="checkbox"/> 304.c.(4). Odor Mitigation Plan |
| <input type="checkbox"/> 304.b.(5). Site Equipment List | <input type="checkbox"/> 304.c.(5). Dust Mitigation Plan |
| <input type="checkbox"/> 304.b.(6). Flowline Descriptions | <input type="checkbox"/> 304.c.(6). Transportation Plan |
| <input type="checkbox"/> 304.b.(7). Drawings | <input type="checkbox"/> 304.c.(7). Operations Safety Management Program |
| <input type="checkbox"/> 304.b.(8). Geographic Information System (GIS) Data | <input type="checkbox"/> 304.c.(8). Emergency Response Plan |
| <input type="checkbox"/> 304.b.(9). Land Use Description | <input type="checkbox"/> 304.c.(9). Flood Shut-In Plan |
| <input type="checkbox"/> 304.b.(10). NRCS Map Unit Description | <input type="checkbox"/> 304.c.(10). Hydrogen Sulfide Drilling Operations Plan |
| <input type="checkbox"/> 304.b.(11). Best Management Practices | <input type="checkbox"/> 304.c.(11). Waste Management Plan |
| <input type="checkbox"/> 304.b.(12). Surface Owner Information | <input type="checkbox"/> 304.c.(12). Gas Capture Plan |
| <input type="checkbox"/> 304.b.(13). Proximate Local Government | <input type="checkbox"/> 304.c.(13). Fluid Leak Detection Plan |
| <input type="checkbox"/> 304.b.(14). Wetlands | <input type="checkbox"/> 304.c.(14). Topsoil Protection Plan |
| <input type="checkbox"/> 304.b.(15). Schools and Child Care Centers | <input type="checkbox"/> 304.c.(15). Stormwater Management Plan |
| | <input type="checkbox"/> 304.c.(16). Interim Reclamation Plan |
| | <input type="checkbox"/> 304.c.(17). Wildlife Plan |
| | <input type="checkbox"/> 304.c.(18). Water Plan |
| | <input type="checkbox"/> 304.c.(19). Cumulative Impacts Plan |
| | <input type="checkbox"/> 304.c.(20). Community Outreach Plan |
| | <input type="checkbox"/> 304.c.(21). Geologic Hazard Plan |

OPERATOR COMMENTS AND SUBMITTAL

Comments

Operator certifies that the MLVT will be designed and implemented consistent with the ECMC Policy on the Use of Modular Large Volume Tanks in Colorado. MLVT Design Package, certified and sealed by a licensed professional engineer, is available upon request.

Manufacturer of MLVT: Hydrologistics
 Size and Volume Up to one (1) 157' diameter/ 84,000 BBLs
 Anticipated time frame 180 days

The Emergency Response Plan was coordinated with the Bennett-Watkins Fire Rescue, and contains all their necessary information required for safety and to ensure the first responders are prepared in case of an emergency. The ERP was approved on 6/23/2025.

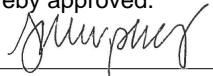
Operator worked with CPW to obtain a ECMC 1202.a.(3) Waiver and is attached.

As required by Adams County, a neighborhood meeting was held on 11/25/2024. Invitations were sent to property owners and tenants within 1 mile of the proposed oil and gas location. The mailing list was provided by Adams County. A summary of this meeting is attached as "OTHER".

Tentative Schedule of operations (subject to change)
 Construction: 2Q2026
 Drilling: 3Q2026
 Completions: 1Q2027
 Production: 3Q2027

A document has been attached and labeled "OTHER" describing summary of substantially equivalent protections for public health, safety, welfare, the environment, and wildlife resources and current (as of 6/25/2025) status to obtain informed consent.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
 Signed: _____ Date: 11/22/2024 Email: dlrockiespermitting@civiresources.com
 Print Name: John Piekara Title: Regulatory Advisor

Based on the information provided herein, this Oil and Gas Location Assessment complies with ECMC Rules, applicable orders, and SB 19-181 and is hereby approved.
 ECMC Approved:  Director of ECMC Date: 10/2/2025

CONDITIONS OF APPROVAL, IF ANY LIST

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

<u>COA Type</u>	<u>Description</u>
1 COA	Grid power is required for drilling. In the event that grid power becomes unavailable, any well in progress of being drilled may be completed using Tier IV or equivalent engines to ensure safety.

Operator Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Traffic control	<ul style="list-style-type: none"> Operator will post an access road speed limit not to exceed 20 miles per hour from vehicle traffic traveling on the access road. Drivers will observe posted speed limits on unpaved roads to avoid or minimize fugitive dust. Drivers will cover and secure loads to prevent debris from entering roadways. Use fresh water for dust mitigation on access roads. Regular road maintenance such as grading and adding aggregate road base as necessary.

2	General Housekeeping	<ul style="list-style-type: none"> • Construction: During pad construction, operations will occur only during daytime thus eliminating and light mitigation considerations. • Drilling and Completions: Crestone Peak Resources will direct site lighting downward at a 20-degree angle and will not shine light above a horizontal plane passing through the center point light source. • Crestone will provide sufficient on-site lighting to ensure the safety of personnel on or near the site. • Drilling and Completions: Where a noise barrier is present, lighting fixtures will be placed beneath the barrier, except for those on the drilling rig. • Drilling and Completions: Crestone Peak Resources will use low-glare and no-glare lighting where feasible to minimize safety hazards. • Flowback: Flowback will be piped directly into the facility with no temporary equipment or operations anticipated. For that reason, no temporary lighting is being proposed during this phase. • Production: Crestone Peak Resources will not have permanent lighting on location.
3	Wildlife	<p>Crestone will implement the following general wildlife BMPs:</p> <ul style="list-style-type: none"> • Ensure all personnel and contractors are aware of and adhere to applicable wildlife protection measures and BMPs; • Personnel and contractors will not harm any wildlife observed on site and will maintain recommended buffer distances related to wildlife; • Personnel and contractors will report any wildlife concerns, including the discovery of injured or orphaned wildlife, to on-site management and applicable EHSR personnel; • Consult CPW and/or other applicable agencies/personnel, upon the discovery of new wildlife constraints, as needed; • Use qualified third-party contractors for wildlife surveys, monitoring, and other consultation purposes
4	Storm Water/Erosion Control	<ul style="list-style-type: none"> • Stockpile Management <ul style="list-style-type: none"> o Topsoil will be stockpiled along the northwestern and southeastern portion of the proposed pad. To mitigate topsoil loss and migration of soil offsite, the stockpile will be contained using a perimeter erosion control device. Perimeter erosion controls will remain in place at any time the stockpile is not being actively accessed and until vegetative cover is established. Erosion control devices shall be placed within 5-10 feet of the toe of slope. • Seeding <ul style="list-style-type: none"> o Once topsoil segregation and stockpiling are complete, the soil will be seeded with the specified seed mix (see Appendix E). Establishing vegetative cover will help to stabilize the soil, reduce wind, and water erosion, minimize sheet flow and rill erosion, and reduce overall surface runoff. The stockpile will be regularly monitored for noxious weed growth. Re-seeding will occur as necessary, over the course of the project life in order to achieve widespread, uniform vegetative cover. • Mulching <ul style="list-style-type: none"> o Post seeding, a layer of straw or hay mulch will be installed via crimping along the stockpile, in order to promote seed germination and further stabilization of the soil. Mulching helps to mitigate the impacts of rainfall and increase soil moisture retention. Mulching will be monitored and re-applied as necessary, until vegetative growth is established. • Surface Roughening and Vertical Tracking <ul style="list-style-type: none"> o Surface roughening creates horizontal grooves and ridges in the soil to reduce runoff velocity, encourage infiltration and trap sediment. This practice will be implemented on the proposed topsoil stockpile location, on the eastern region of the disturbance area.
5	Material Handling and Spill Prevention	<ul style="list-style-type: none"> • During drilling, completion, and production operations, regular Auditory, Visual, and Olfactory Monitoring (AVO) inspections are performed on equipment containing hydrocarbons, fluids, or associated chemicals. AVO inspections include taking the time to look, smell and listen for leaks. • Operator utilizes a polyethylene liner beneath the drilling rig during drilling operations and beneath the areas where completions equipment (including pump trucks and other heavy equipment) during completion operations to ensure there is an impermeable layer between the rig and the earth. The use of this liner prevents hydrocarbons and other fluids from reaching the soil in the unlikely event a leak does occur. The liner is inspected for integrity throughout drilling operations and maintenance/repair to the liner occurs as needed. • Routine SPCC inspections will be conducted and documented pursuant U.S. EPA requirements. The location will be equipped with a SCADA system that allows for remote monitoring and shut-in capabilities.

- Operator has developed a robust Leak Detection and Repair (LDAR) program, which utilizes Forward Looking Infrared (FLIR®) cameras to identify and fix leaks. These inspections will begin during the drilling phase and continue throughout the life of the Oil & Gas Location.
- All onsite waste containers will be compatible with stored contents and labeled appropriately with a description of the waste listed on the label. All containers will be inspected regularly to ensure they are in good condition and free of excessive wear, structural issues, or other defects that may impact their effectiveness.
- Consistent with good materials and waste management practices, the Operator maintains records of material/waste source, transporter, and final disposition or disposal. These records are maintained under usual and customary practice and are made available upon request. See attached list of waste disposal facilities that the Operator has active waste disposal profiles with. Depending on operational considerations, the type of waste in question, and approved disposal profiles, the Operator may send waste to one or more approved facilities on a single, individual project.
- The Operator minimizes the generation of waste by ensuring that material products are fully used for their intended purpose. If unused materials remain following an activity, contractors are required to take unused product with them for reuse at the next applicable project. Contractors are contractually required to comply with applicable material and waste management practices.
- In the event of an unintended release of material by a contractor, the Operator requires the contractor to report the release, and to remediate impacts in accordance with applicable cleanup standards. the Operator tracks all contractor releases to closure by requiring formal documentation, supported by laboratory analysis demonstrating cleanup of site impacts, any required waste characterization, waste disposal approval, and manifests or load tickets tracking waste from source, through transport, to final disposal.
- If there are unanticipated hazardous waste streams not listed in the attached Waste Streams Spreadsheet, the hazardous waste will be stored and disposed of in compliance with all rules and regulations applicable to that specific waste.
- Produced water with no commercial value or reuse potential is typically disposed of via underground injection. In all instances, produced water is disposed of at an offsite location(s) via properly permitted disposal facilities including but not limited to UIC wells intended specifically for produced water disposal.
- Soils impacted with produced fluids will be transported offsite for disposal at a disposal facility permitted to receive E&P waste. All incidents are reported in accordance with ECMC 900-Series Rules.
- All drill cuttings generated during drilling operations are transported offsite with proper manifesting for disposal at facilities properly permitted to receive E&P waste. Drilling fluids will be stored on-site and recycled for use in future drilling operations.
- All surface trash, debris, and material not intrinsic to the operation of the oil and gas facility shall be removed stored in a roll off container or other trash bin and disposed of at a commercial solid waste disposal location.

6	Dust control	<ul style="list-style-type: none"> • On Location, dust suppression during high traffic periods on site will be accomplished by the application of water to the well pad and exposed earthen surfaces to reduce the transportability of dust when atmospheric conditions are conducive to sustained winds and/or periodic gusts. All dust suppression efforts will consist of only freshwater unless otherwise requested and approved as applicable. • Off Location, dust suppression during high traffic periods on site will be accomplished by the application of approved methods to the access road(s) and haul route to reduce the transportability of dust when atmospheric conditions are conducive to sustained winds and/or periodic gusts. All dust suppression efforts will consist of, but may not be limited to, the use of fresh water and/or mag-chloride as a dust suppressant. • To minimize sand-related dust emissions, the operator will be utilizing containerized box technology for sand transport, storage and use during the completions phase. These sand containers (or “sand boxes”) are sealed containers that protect the sand from exposure to wind and prevent dust generation. • The operator will post an access road speed limit not to exceed 20 miles per hour to minimize fugitive dust emissions from vehicle traffic traveling on the access road. • The operator will perform regular inspections and road maintenance to ensure the integrity of the access road and associated features is maintained throughout the life of this project. Maintenance consists of re-compacting the road base/recycled asphalt mix on an as-needed basis. • The operator will install and maintain vehicle tracking controls (i.e., coarse aggregate, a tracking pad, paved apron, or cattle guard) to further reduce and remove loose mud and dirt on construction equipment and vehicles servicing location. • The pad will be plated with aggregate road base material to further minimize fugitive dust.
7	Noise mitigation	<ul style="list-style-type: none"> • Crestone conducted a Noise Impact Assessment (NIA) for each phase of operations (drilling, completions, and production) to assess operational noise levels against the maximum permissible dBA and dBC noise levels stated in the Colorado ECOM Rule 423 noise regulation. Each phase of operation will comply with the MPNLs as summarized in Table 4 in Section 2 of this document. • Prior to commencement of drilling and completion activities, a partial-perimeter, engineered sound wall consisting of approximately 2,260 linear feet of 32-foot-tall, STC32 wall will be installed around the edge of the well pad to reduce noise levels at the critical receptor points. • The drilling rig that will be utilized to drill the wells to total depth will be powered by electric grid power. Thus, the three gensets that normally operate during all drilling operations will be completely shut down and only used for emergency backup in the case that the electric grid is temporarily unavailable. • Crestone will utilize a low noise completions fleet for all completions operations. • Flowback operations and equipment were reviewed as part of this Noise Mitigation Plan (NMP). The wells will flow back directly to the permanent facility. Perimeter sound walls will be left in place until drill out is complete and flows are initiated to appropriately manage noise levels for this operation. • A pre-operational ambient sound level survey was conducted at the one location outlined in Figure 3 of Section 7 to quantify pre-existing A- and C-weighted sound levels. • Throughout the duration of preproduction operations and any construction lasting longer than 24 hours, Crestone will conduct continuous noise monitoring at the ambient monitoring location described in Figure 3 of Section 7 of this document. • If the drilling rig or completions fleet is changed prior to commencement of operations, the mitigation measures employed will be equally or more protective. • Crestone will post contact information to receive and address noise complaints arising from preproduction operations around the clock, 24 hours, 7 days per week. Upon receipt of a complaint, either directly to Crestone, or from the Colorado ECOM, a Crestone representative will contact the associated stakeholder within 48 hours of receipt.
8	Odor mitigation	<ul style="list-style-type: none"> • Operator will use a filtration system and additives in the drilling and fracturing fluids that minimize odors. • Operator shall utilize a closed-loop, pit-less mud system for managing drilling fluids. • Operator shall employ the use of drilling fluids with low to negligible aromatic content (IOGP GroupIII) during drilling operations after the surface casing is set and freshwater aquifers are protected. • Operator shall remove drill cuttings daily and as soon as waste containers are full. • Operator shall employ pipe cleaning procedures when removing drill pipe from the

		<p>hole; these procedures may include “wiping” the pipe before racking it in the derrick.</p> <ul style="list-style-type: none"> • If a justified complaint is received, Operator may increase concentration of odor-mitigating additives in mud system. • Operator will utilize a maintenance vessel system. • Operator will utilize a pneumatic air system to actuate the facilities on location. • Operator will utilize a tankless system with three-phase takeaway eliminating odors associated with truck load out.
9	CDPHE	<ul style="list-style-type: none"> • Operator will use drilling rig engines powered by grid power or non-fossil fuel generated power, and will demonstrate best-effort if unable to utilize them • Operator will use IOGP Group III drilling fluid (Aromatic Content <0.5 wt%; PAH Content <0.001 wt%) • Operator will cover trucks transporting drill cuttings • Operator will remove drilling fluids from pipes as they exit the wellbore and ensure that all drilling fluid is removed from pipes before storage • Operator will utilize engine setups for hydraulic fracturing with emission ratings of at least EPA Tier4 Final Non-Genset or equivalent (e.g. EPA Natural Gas Spark-Ignited Tier 2) • Operator will use Modular Large Volume Storage Tanks • Operator will use pipelines (e.g. lay-flat hose) to transport water used for hydraulic fracturing to location(s) • Operator will use renewable or grid power for all permanent powered production equipment onsite, excluding external combustion sources • Operator will have adequate and committed pipeline takeaway capacity for all produced gas • Operator will shut in the facility if the gas pipeline is unavailable • If centrifugal compressors are used, they will be equipped with dry seals • Operator will have adequate and committed pipeline takeaway capacity for all produced oil • Operator will not store hydrocarbon liquids in permanent storage tanks on site (excluding normally empty maintenance tanks) • The Operator will use a lease automatic custody transfer (LACT) system or technology that is demonstrably equivalent or superior • Operator will reduce the use of natural gas burners for production equipment (e.g. heaters, separation, etc.) when possible, excluding ECDs • Operator will provide access, siting locations, and power (if required) for air monitoring equipment at the request of CDPHE or ECMC • Operator will collaborate with CDPHE/ECMC to assist in identifying potential sources of emission events observed by CDPHE or ECMC monitoring equipment (e.g. provide event summaries onsite during observed emissions, meet with Agency staff, provide requested additional information timely, etc.) • Operator will coordinate with nearby fire district(s) to promote any further transition away from PFAS-containing foam and evaluate if PFAS-free foams are available for any specific hazards • If PFAS-containing foam is used at a location, operator will properly characterize the site, determine contamination extent, perform appropriate soil and water sampling, and capture and dispose of contaminated soil and fire and flush water • Operator will properly maintain vehicles and equipment • Operator will employ service providers which access the site(s) whose vehicle fleets are 53% during Drilling phase, 89% during Completions phase, and 90% for Produced Water trucking aged 2010 or newer (service vehicles, delivery, haul, takeaway, etc.) • Operator will employ service providers whose nonroad construction equipment fleets have engines with emission ratings of at least EPA Tier 4 Final Non-Genset or equivalent (e.g. EPA Natural Gas Spark-Ignited Tier 2) • On forecasted high ozone days: operator will, as practicable, eliminate use of VOC paints and solvents • On forecasted high ozone days: operator will, as practicable, minimize vehicle and engine idling • On forecasted high ozone days: operator will, as practicable, minimize truck traffic and worker traffic • On forecasted high ozone days: operator will, as practicable, postpone the refueling of fleet or personal transit vehicles on location • On forecasted high ozone days: operator will, as practicable, suspend or delay the use of non-essential fossil fuel powered ancillary equipment (excludes safety-critical or site/well integrity-critical operations) • On forecasted high ozone days: operator will, as practicable, reschedule non-

essential operational activities such as preventative maintenance and tank cleaning

- On forecasted high ozone days: operator will, as practicable, postpone construction activities
- Operator will maintain a publicly accessible digital information source (e.g. webpage, social media) with information about this application including a primary contact method to address complaints and concerns
- Operator will maintain a publicly accessible digital information source (e.g. webpage, social media) with information about this application including notices of Venting as described in Rule 903(d)(1)(B) and (E), at the time such notice of Venting is required to be made to ECMC
- Operator will maintain a publicly accessible digital information source (e.g. webpage, social media) with information about this application, including maps of pads, facilities, and truck routes (e.g. materials presented to the ECMC during OGDG approval hearing and/or referenced in Director's Recommendations)

Total: 9 comment(s)

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
1842283	CORRESPONDENCE
1842285	CDPHE CONSULTATION
1842287	DIRECTOR'S RECOMMENDATION
403944406	FORM 2A SUBMITTED
403989551	WILDLIFE HABITAT DRAWING
403989554	ACCESS ROAD MAP
403989565	CULTURAL FEATURES MAP
403989589	LOCATION DRAWING
403989592	REFERENCE AREA MAP
403989601	RELATED LOCATION AND FLOWLINE MAP
403990599	ALA DATASHEET
403990696	NRCS MAP UNIT DESC
403990703	GEOLOGIC HAZARD MAP
403990716	LOCATION AND WORKING PAD GIS SHP
403990721	DIRECTIONAL WELL PLAT
403998997	ALA NARRATIVE SUMMARY
404002329	HYDROLOGY MAP
404164812	CPW WAIVER
404165212	LGD CONSULTATION
404165239	LOCATION PICTURES
404165250	OTHER
404165263	REFERENCE AREA PICTURES
404201233	PRELIMINARY PROCESS FLOW DIAGRAMS
404201995	LAYOUT DRAWING
404255876	OTHER

Total Attach: 25 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGDP ID# 490857 and this Form are approved by Commission Order Number 535-1561.	10/02/2025
OGLA	The Director has determined that the OGD application that this Form is a component of meets all requirements of Rule 306.a. The Director's Recommendation has been attached to the Form 2A.	08/22/2025
LGD	<p>Thank you for the opportunity to provide comments on this oil and gas application during your review process of the proposed Bennett D Pad well site. We have reviewed the materials submitted by Crestone Peak Resources Operating, LLC (Crestone). We offer the following comments as a Proximate Local Government.</p> <ol style="list-style-type: none"> 1. The location is currently outside the city limits of Aurora. The location is within Aurora's allowed annexation area, and the property could apply for annexation in the future. 2. The proposed haul route does not use any Aurora streets, and therefore, no roadway impacts would occur in Aurora. 3. The location is near Interstate 70, the Colorado Air and Space Port, and other industrial operations, and seems appropriate for the current county zoning of Airport Influence Zone (AIZ). 4. The location is less than 2,000 feet from two (2) Residential Building Units (RBUs) to the southeast, which are also outside the city of Aurora. These will require Informed Consent from the owners to meet ECMC regulations. The Alternative Location Analysis indicates that many of the alternatives impact a greater number of RBUs than the current location. 5. We encourage the use of an electric drilling rig, and continuous air monitoring for the life of the wells. <p>Thank you again for the opportunity to provide comments. Should you have any questions, please contact me at 303.739.7676, or by email at jsmoore@auroragov.org.</p> <p>Sincerely, Jeffrey S. Moore, P.G. Manager, Energy & Environment Division City of Aurora</p>	07/22/2025
OGLA	The Director has determined this OGD application is complete. Form pushed to IN PROCESS.	07/10/2025
OGLA	The Conditions of Approval (COA) and Best Management Practices (BMPs) on the Form 2A and the Final Order are the final enforceable permit conditions for this Oil and Gas Location. Any plan or attachment that contains information or language that is contrary to or less protective than ECMC rules or the COAs and BMPs on the Form 2A or Final Order does not relieve the operator from compliance with the applied COAs, BMPs or any ECMC rules.	07/10/2025

Total: 5 comment(s)