

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:

403876560

(SUBMITTED)

Date Received:

09/12/2024

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:

OGDP ID:

Expiration Date:

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
240800192		

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

<No existing OGDP number provided>

CONSULTATION

- This location is included in a Comprehensive Area Plan (CAP). CAP ID # 221000282
- 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: Jeff Annable

Phone: (303) 312-8529

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: State Harvard/Yale 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: SENE Section: 8 Township: 5S Range: 64W Meridian: 6 Ground Elevation: 5925
Latitude: 39.630486 Longitude: -104.569849
GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 06/06/2024

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: ARAPAHOE 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: 01/29/2024

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

Status/disposition date: 08/12/2024

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: Ava Pecherzewski Contact Phone: 720-874-6655

Contact Email: APecherzewski@arapahoegov.com

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.

< No row provided >

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: _____

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:

Arapahoe County has provided initial comments on the application, and Crestone is preparing the second submittal.

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)? No

Date of local government consultation: _____

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.

- | | |
|---|--|
| <input type="checkbox"/> i. WPS < 2,000 feet from RBU/HOBU | <input type="checkbox"/> vi.aa. WPS within a surface water supply area |
| <input type="checkbox"/> ii. WPS < 2,000 feet from School/Child Care Center | <input type="checkbox"/> vi.bb. WPS < 2,640 feet from Type III or GUDI well |
| <input type="checkbox"/> iii. WPS < 1,500 feet from DOAA | <input type="checkbox"/> vii. WPS within/immediately upgradient of wetland/riparian corridor |
| <input type="checkbox"/> iv. WPS < 2,000 feet from jurisdictional boundary and PLG objects/requests ALA | <input checked="" type="checkbox"/> viii. WPS within HPH and CPW did not waive |
| <input type="checkbox"/> v. WPS within a Floodplain | <input type="checkbox"/> ix. Operator using Surface bond |
| | <input type="checkbox"/> x. WPS < 2,000 feet from 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
	39.632010	-104.583670								x				Alternative Location #5 - Within Pronghorn Winter HPH, within State land board no occupancy area.
	39.626110	-104.573220	x							x				Alternative Location #1 - 1 RBU, Within Pronghorn Winter HPH
	39.636110	-104.611650								x				Alternative Location #3 - Within Pronghorn Winter HPH, requires additional location for full development
	39.633140	-104.576530							x	x				Alternative Location #4 - Within Pronghorn Winter HPH, immediately upgradient of potential wetland
	39.629600	-104.531650	x							x				Alternative Location #2 - 1 RBU, Within Mule Deer Winter HPH, requires additional location for full development

SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: Colorado State Land Board Phone: 303-866-3454
 Address: 1313 Sherman St. Fax: _____
 Address: _____ Email: steve.freese@state.co.us
 City: Denver State: CO Zip: 80203-2244

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	18	Oil Tanks	0	Condensate Tanks	0	Water Tanks	2	Buried Produced Water Vaults	0
Drilling Pits	0	Production Pits	0	Special Purpose Pits	0	Multi-Well Pits	0	Modular Large Volume Tank	2
Pump Jacks	0	Separators	4	Injection Pumps	0	Heater-Treaters	0	Gas Compressors	2
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	0	Fuel Tanks	0	LACT Unit	0
Dehydrator Units	0	Vapor Recovery Unit	0	VOC Combustor	0	Flare	0	Enclosed Combustion Devices	2
Meter/Sales Building	0	Pigging Station	0	Vapor Recovery Towers	0				

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
LP KO Drum	1
Maintenance Surge Vessel	1
HP KO Drum	1
Oil Meter Skid	1
Sales Gas Scrubber	1
3 Phase Meter	18
LP Scrubber	2
Instrument Air Skid	1
Electrical Rack	1
Sales Gas Meter	2
Oil Pump Skid	6
Oil Surge Vessel	1
Fuel Gas Scrubber	1
Recycle Pump	1
Gas Lift	2

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Sand Can	18
Produced Water Tank (Emis.Control)	8
Combustor	1
Fracking Tank (Collect Sand)	1

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 separator pad 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:	2394 Feet	SW					
Residential Building Unit (RBU):	2394 Feet	SW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	NW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	NW					
Public Road:	2432 Feet	N					
Above Ground Utility:	130 Feet	S					
Railroad:	5280 Feet	NW					
Property Line:	636 Feet	E					
School Facility:	5280 Feet	SW					
Child Care Center:	5280 Feet	SW					
Disproportionately Impacted (DI) Community:	5280 Feet	NW					
RBU, HOBU, or School Facility within a DI Community.	5280 Feet	NW	<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	0
Residential Building Units	0	0	0
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: 26.39

Size of location after interim reclamation in acres: 4.49

Estimated post-construction ground elevation: 5926

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:

Open Pasture

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

Agricultural (A-1)

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):

The designated final land use is Rangeland.

Reference Area Latitude: 39.631020

Reference Area Latitude: -104.571600

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

Plant Community	Dominant vegetation
Native Grassland	Western Wheatgrass is the dominant vegetation.

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: (RtE) - RENOHILL-LITLEDALUND COMPLEX, 9-30% SLOPES

NRCS Map Unit Name: (FdC) - FONDIS SILT LOAM, 3-5% SLOPES

NRCS Map Unit Name: (RhE) - RENOHILL-BUICK LOAM, 3-5% SLOPES

GROUNDWATER AND WATER WELL INFORMATION

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

water well: 450 Feet W

Spring or Seep: 5280 Feet N

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 39 Feet

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

Depth to groundwater was determined by using the DWR Permit #282745. The drilling log shows groundwater encountered at 39'.

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 876 Feet N

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: 2640 Feet E

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

NWI Riverine - R4SBC/NHD Steam (Intermittent)

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? No

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 04/01/2024 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):

High Priority Habitat (list all that apply)	Oil and Gas Location	Access Road	Utility or Pipeline Corridor
1202.d.(4) - Pronghorn migration & winter	x	x	

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? Yes

Is a Compensatory Mitigation Plan proposed to address direct impacts for this Oil and Gas Location? Yes

Have all Compensatory Mitigation Plans been approved for this Location? Yes

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

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? Yes

Direct impact habitat mitigation fee amount: \$ 50085.3

Indirect Impacts:

Is Compensatory Mitigation required per Rule 1203.d for this Oil and Gas Location? Yes

Is a Compensatory Mitigation Plan proposed to address indirect impacts for this Oil and Gas Location? Yes

Have all Compensatory Mitigation Plans been approved for this Location? Yes

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

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? Yes

Indirect impact habitat mitigation fee amount: \$ 81741.19

Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	PRONGHORN	Wildlife - Minimization	A full-wrap sound wall will be used during the development of this location, significantly minimizing noise and light impacts.
2	PRONGHORN	Wildlife - Minimization	This location will use gas and oil takeaway pipelines.
3	PRONGHORN	Wildlife - Minimization	There will be no permanent lighting.
4	PRONGHORN	Wildlife - Minimization	The Drilling Rig and Permanent production facilities will be powered by utility power.
5	PRONGHORN	Wildlife - Minimization	Project personnel will not intentionally harm, harass, or otherwise disturb wildlife.
6	PRONGHORN	Wildlife - Minimization	The Operator will provide general wildlife compliance training and resources to relevant project personnel, including contractors.

7	PRONGHORN	Wildlife - Minimization	Project personnel will report any injured or orphaned wildlife discovered at the project location.
8	PRONGHORN	Wildlife - Minimization	The Operator will consult with CPW or other appropriate wildlife agency personnel, as needed, should any new significant constraints or concerns arise.
9	PRONGHORN	Wildlife - Minimization	The Operator will employ qualified biologists and subject matter experts as needed to ensure compliance with wildlife protection measures and expectations
10	PRONGHORN	Wildlife - Minimization	The Operator will develop a fencing plan in coordination with wildlife experts.

AIR QUALITY MONITORING PROGRAM

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

Operator Proposed BMPs

No BMP

PLANS

Total Plans Uploaded: 14

- (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

The operator has received approval of a Compensatory Mitigation plan to pay both direct and indirect compensatory mitigation fees to Colorado Parks and Wildlife for the location being sited within Pronghorn Winter Concentration Area High Priority Habitat. We have assumed that operation are within season, and the direct and indirect fees to be paid are made with this assumption.

The Emergency Response Plan will be coordinated with and approved by the local responding agency.

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: Harpoon
 Size and Volume Up to two (2) 157' diameter/ 40,000 BBLs
 Anticipated time frame 140 days

A CPW pre-application consultation occurred on 8/2/22, and additionally an onsite consultation occurred on 4/1/24.

Additional Soil Types
 (BxC) BUICK LOAM, 3-5% SLOPES, .39 Acres

As the location is more than 2,000 feet away from an RBU, an odor mitigation plan was not required. Please refer to the operator BMPs tab for information on odor mitigation best management practices.

Tentative Schedule of operations (subject to change)
 Construction: Q2/2025
 Drilling: Q2/2025
 Completions: Q3/2025
 Interim Reclamation: Q1/2026
 Operator will conform to all BMPs agreed on within the Lowry CAP..

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
 Signed: _____ Date: 09/12/2024 Email: sfarkas@civiresources.com

Print Name: Scott Farkas Title: Lead, Permitting

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: _____

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.

COA Type	Description
0 COA	

Operator Best Management Practices

No BMP/COA Type	Description
1 Odor mitigation	1. Operator will use a filtration system and additives to the drilling and fracturing fluids to minimize odors 2. Operator shall utilize a closed-loop, pit-less mud system for managing drilling fluids. 3. Operator shall employ the use of drilling fluids with low to negligible aromatic contact (IOGP Group III) during drilling operations after the surface casing is set and freshwater aquifers are protected. 4. Operator shall remove drill cuttings daily and as soon as waste containers are full. 5. Operator shall employ pipe cleaning procedures when removing the drill pipe from the hole; these procedures may include "wiping" the pipe before racking it in the derrick. 6. Operator will utilize compressed air pneumatics. 7. Operator will utilize a pressurized maintenance vessel system which minimizes the need for venting during maintenance operations. 8. Operator will energize the proposed facility with utility power reducing odors associated with internal combustion engines.

Total: 1 comment(s)

ATTACHMENT LIST

Att Doc Num	Name
403913782	CPW CONSULTATION
403913786	ACCESS ROAD MAP
403913798	CULTURAL FEATURES MAP
403913799	DIRECTIONAL WELL PLAT
403913817	HYDROLOGY MAP
403913850	SURFACE AGRMT/SURETY
403913900	SURFACE PLAN
403913904	RELATED LOCATION AND FLOWLINE MAP
403913919	NRCS MAP UNIT DESC
403913926	WILDLIFE HABITAT DRAWING
403913974	GEOLOGIC HAZARD MAP
403914064	OIL AND GAS LOCATION GIS SHP
403914124	INFORMED CONSENT LETTER
403916915	REFERENCE AREA PICTURES
403917284	ALA NARRATIVE SUMMARY
403917383	ALA DATASHEET
404068059	LOCATION DRAWING
404068064	LOCATION PICTURES
404068070	REFERENCE AREA MAP
404078621	PRELIMINARY PROCESS FLOW DIAGRAMS
404078622	LAYOUT DRAWING

Total Attach: 21 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.

