

FORM  
2A

Rev  
01/21

State of Colorado  
Oil and Gas Conservation Commission

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



Document Number:

402609520

(SUBMITTED)

Date Received:

08/26/2021

Location ID:

Expiration Date:

Oil and Gas Location Assessment

This Oil and Gas Location Assessment is to be submitted to the COGCC 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 COGCC website at <https://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

☒ 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
210800138		

If this Location assessment is part of an existing 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 # \_\_\_\_\_
- ☐ 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: 10433  
Name: LARAMIE ENERGY LLC  
Address: 1001 17TH STREET #1900  
City: DENVER State: CO Zip: 80202

Contact Information

Name: Wayne P Bankert  
Phone: (970) 812-5210  
Fax: ( )  
email: wbankert@laramie-energy.com

FINANCIAL ASSURANCE

- ☒ Plugging and Abandonment Bond Surety ID (Rule 706): 20120081 ☐ Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- ☐ Waste Management Surety ID (Rule 704): \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Cascade Creek (CC) Number: 0697-15-08

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.

QuarterQuarter: SENE Section: 15 Township: 6S Range: 97W Meridian: 6 Ground Elevation: 8514  
Latitude: 39.526319 Longitude: -108.198886  
GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Date of Measurement: 08/18/2021

## 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: GARFIELD 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? No

A siting permit application has been submitted to the Relevant Local Government for this proposed Oil and Gas Location: No

Date Relevant Local Government permit application submitted:                     

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

Status/disposition date:                     

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: Kirby Wynn

Contact Phone: 970-625-5905

Contact Email: kwynn@garfield-county.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: 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: Jim Byers

Contact Phone: 970-876-9056

Contact Email: jbyers@blm.gov

Field Office: Bureau of Land Management - CRVO

Additional explanation of local and/or federal process:

Advance Notice was sent to Garfield County's Community Development Department, notifying Garfield County of Laramie's intentions to submit an Oil and Gas Development Plan to COGCC. The notification included the proposed locations, including the CC 0697-15-08 well site. Garfield County, the local government with jurisdiction over the siting of this proposed oil and gas location, determined that per the Garfield County Land Use and Development Code, Table 3-403, "Oil and Gas Drilling and Production" and "Hydraulic Fracturing, Remote Surface Location" are a use by right or Exempt from Land Use Regulation at this site. The Table 3-403, "Use Table" of the Garfield County Land Use and Development Code, showing Use-By-Rights for the proposed well site, is attached in the eForm of the CC 0697-15-08 Form 2A.

**Federal Wells:**

Laramie is currently drafting BLM federal lease Applications for Permit to Drill (APDs) for the three federal wells on the pad. Once the permits are submitted, the BLM will proceed with an Environmental Analysis (EA) for the pad and wells as required by the National Environmental Policy Act for any Federal action. Once the EA is completed, Laramie Energy will supply the COGCC with the Decision Record for the EA as well as copies of the Federal APDs.

Please refer to the Form 2A Application Narrative for a list of wells.

## 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)? Yes

Date of federal consultation: 09/22/2020

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? No

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 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:

< No row provided >

## SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: Laramie Energy, LLC Phone: 970-263-3641  
Address: 1001 17th Street, Suite 1900 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
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: See Mineral Lease Map

## SITE EQUIPMENT LIST

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

Wells	<u>18</u>	Oil Tanks	<u>0</u>	Condensate Tanks	<u>2</u>	Water Tanks	<u>4</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>0</u>
Pump Jacks	<u>0</u>	Separators	<u>18</u>	Injection Pumps	<u>0</u>	Heater-Treaters	<u>0</u>	Gas Compressors	<u>0</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>1</u>	Flare	<u>0</u>	Enclosed Combustion Devices	<u>0</u>
Meter/Sales Building	<u>0</u>	Pigging Station	<u>0</u>			Vapor Recovery Towers	<u>0</u>		

## OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Gunbarrel Tanks	2

## OTHER TEMPORARY EQUIPMENT

< No Row Provided >



## 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.

## 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):				604.b. (4)
				604.b. (1)	604.b. (2)	604.b. (3)	Details of Condition(s)	
Building:	1216	Feet	SE					
Residential Building Unit (RBU):	5280	Feet	SE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280	Feet	SE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280	Feet	SE					
Public Road:	5280	Feet	S					
Above Ground Utility:	5280	Feet	SW					
Railroad:	5280	Feet	S					
Property Line:	135	Feet	NE					
School Facility:	5280	Feet	SE					
Child Care Center:	5280	Feet	SE					
Disproportionately Impacted (DI) Community:	5280	Feet	SE					
RBU, HOBU, or School Facility within a DI Community.	5280	Feet	SE	<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: 7.60

Size of location after interim reclamation in acres: 1.90

Estimated post-construction ground elevation: 8502

## 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? No

## DRILLING WASTE MANAGEMENT PROGRAM

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

Cutting Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

Cuttings will be dried onsite. Cuttings will be either treated and disposed of onsite or will be disposed of offsite at the ACF, a cuttings management area proposed in the subject OGD. Details are provided in the WMP and the Application Narrative.

Beneficial reuse or land application plan submitted?

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 Resource Program (CRP)

Non-Crop Land: ☒ Rangeland ☐ Forestry ☐ Recreation ☐ Other

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

Describe the current land use:

Non-crop rangeland

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

Garfield County defines the subject parcel as the Resource Lands zone district. Adjacent parcels are zoned Resource Lands or Public Lands. Existing use of adjacent properties and neighboring area is natural resources extraction, public lands, and agricultural, according to the Garfield County Assessor's database. The Garfield County Zoning Figure, attached to the Form 2A, depicts adjacent parcel zoning and property boundaries.

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 Resource 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):

Non-crop rangeland

Reference Area Latitude: 39.523569

Reference Area Latitude: -108.200499

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

Plant Community	Dominant vegetation
Shrub Land	Gambel's Oak
Shrub Land	Snowberry
Shrub Land	Yellow Rabbitbrush

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 COGCC website GIS Online map page. Instructions are provided within the COGCC website help section.

NRCS Map Unit Name: 52. Northwater-Adel complex, 5 to 50 percent slopes.

NRCS Map Unit Name: 55. Parachute-Irigul complex, 5 to 30 percent slopes.

NRCS Map Unit Name: 56. Parachute-Irigul-Rhone association, 25 to 50 percent slopes MLRA 48A.

## GROUNDWATER AND WATER WELL INFORMATION

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

water well: 3934 Feet SE

Spring or Seep: 1311 Feet SE

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 100 Feet

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

Well Permit Number 233234, Owner: Couey Family LLLP. Well depth is 70 feet and static level is 54 feet. The well is located 3934 feet to the south. A spring is located to 1311 feet to the southeast. Depth to groundwater was based on the local spring elevations. There are no wells in the immediate area; therefore, spring elevations were utilized.

## SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 1311 Feet SE

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:

Downgradient surface water features consist of intermittent and perennial flow streams and a spring. The nearest distances are to intermittent flow streams, which exist 137 feet to the northwest and 1012 feet to the southeast. A spring exists 1311 feet to the southeast and is downgradient of the proposed site location.

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

FEMA: 0802051275B, 12/15/1997, Not Printed

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 \_\_\_\_\_ 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?

A Compensatory Mitigation Plan is not required.

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

Direct impact habitat mitigation fee amount: \$ \_\_\_\_\_

### 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?

A Compensatory Mitigation Plan is not required.

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

Indirect impact habitat mitigation fee amount: \$ \_\_\_\_\_

## Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	BLACK BEAR	Wildlife - Avoidance	The operator agrees to prohibit food and trash in sleeping quarters.
2	BLACK BEAR	Wildlife - Avoidance	The operator agrees to report bear conflicts immediately to CPW staff.
3	MULE DEER & ELK	Wildlife - Avoidance	The operator agrees to reclaim mule deer and elk habitats with CPW-identified native shrubs, grasses, and forbs appropriate to the ecological site disturbed.

## AIR QUALITY MONITORING PROGRAM

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

### Operator Proposed BMPs

No	BMP Target	CDPHE Recommendation	COGCC Action
1	Waste		
	Description	Operator will properly characterize and dispose of all waste (i.e. the specific landfill/waste disposal location allows for acceptance of the waste stream)	
	CDPHE Comment		
2	Air		
	Description	Odor mitigation: Operator will ensure that all drilling fluid is removed from pipes before storage	
	CDPHE Comment		
3	Air		
	Description	Odor mitigation: operator will use a squeegee or other device to remove drilling fluids from pipes as they exit the wellbore	
	CDPHE Comment		
4	Air		
	Description	Odor mitigation: Operator will use bentonitic fresh water based drilling fluid with zero oil.	
	CDPHE Comment		
5	Air		
	Description	Operator will implement ambient air quality monitoring on site	
	CDPHE Comment		
6	Air		
	Description	Operator will properly maintain vehicles and equipment	
	CDPHE Comment		
7	Air		
	Description	Operator will use non-emitting pneumatic controllers	
	CDPHE Comment		
8	Air		
	Description	Pipelines: Operator will have adequate and committed pipeline take away capacity for all produced gas	
	CDPHE Comment		
9	Air		
	Description	Pipelines: Operator will shut in the facility to reduce the need for flaring if the pipeline is unavailable	
	CDPHE Comment		
10	Air		
	Description	Pipelines: Operator will use pipelines to transport water for hydraulic fracturing to and from location	
	CDPHE Comment		
11	Air		
	Description	Venting/Flaring: Operator will control emergency flaring with an enclosed combustor with a destruction efficiency of 98% or better	
	CDPHE Comment		

12	Air		
	Description	Venting/Flaring: Operator will not flare or vent gas during completion or flowback, except in upset or emergency conditions, or with prior written approval from the Director for necessary maintenance operations	
	CDPHE Comment		
13	Water		
	Description	CPGCC permit will incorporate other agency water quality protection plans by reference as applicable (e.g. stormwater management plan)	
	CDPHE Comment		
14	Water		
	Description	Documentation / stormwater management plan: If it is infeasible to install or repair a control measure immediately after discovering a deficiency, operator will document and keep on record in the stormwater management plan: (a) a description of why it is infeasible to initiate the installation or repair immediately; and (b) a schedule for installing or repairing the control measure and returning it to an effective operating condition as soon as possible.	
	CDPHE Comment		
15	Water		
	Description	Dust suppression: Operator will not use produced water or other process fluids for dust suppression	
	CDPHE Comment		
16	Water		
	Description	Operator will recycle or beneficially reuse flowback and produced water for use downhole	
	CDPHE Comment		
17	Water		
	Description	Outfall locations: Outlet protection should be used when a conveyance discharges onto a disturbed area where there is potential for accelerated erosion due to concentrated flow. Outlet protection should be provided where the velocity at the culvert outlet exceeds the maximum permissible velocity of the material in the receiving channel.	
	CDPHE Comment		
18	Water		
	Description	Stream crossing and Road Construction: Operator will ensure that control measures are designed, installed and adequately sized in accordance with good engineering, hydrologic and pollution control practices	
	CDPHE Comment		
19	Water		
	Description	Vehicle fueling: Operator will ensure that a fueling contractor is present during the entire fueling process to prevent overfilling, leaks and drips from improper connections	
	CDPHE Comment		

## 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 COGCC 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 checked="" 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 checked="" type="checkbox"/> 304.c.(12). Gas Capture Plan               |
| <input type="checkbox"/> 304.b.(13). Proximate Local Government              | <input checked="" 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 checked="" 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 checked="" type="checkbox"/> 304.c.(20). Community Outreach Plan        |
|  | <input type="checkbox"/> 304.c.(21). Geologic Hazard Plan                      |

## OPERATOR COMMENTS AND SUBMITTAL

Comments	<p>The following 304.c Plans are Not required for this submittal:</p> <p>Rule 304.c.(1) Emergency Spill Response Program: Not located within surface water that is 15 miles or less upstream from a Public Water System(s) intake or within 2,640 feet of a groundwater under the direct influence of surface water well or Type III Well.</p> <p>Rule 304.c.(4) Odor Mitigation Plan: No RBU or Designated Activity Area within 2000' of WPS</p> <p>Rule 304.c.(9) Flood Shut-In Plan: Not located within a floodplain.</p> <p>Rule 304.c.(10) Hydrogen Sulfide Drilling Operations Plan: Will not be drilled into formations that historically contain H2S. There is no known occurrences of Hydrogen Sulfide in the Mesaverde Group in Cascade Creek Area</p> <p>Rule 304.c.(12) Gas Capture Plan: Operator is committed to a gathering system connection.</p> <p>Rule 304.c.(20) Community Outreach Plan: Not located within 2,000 feet of a Residential Building Unit, High Occupancy Building Unit, or School Facility within DIC.</p> <p>Rule 304.c.(21) Geologic Hazard Plan: No Geologic Hazards within 1 mile of WPS.</p>
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I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 08/26/2021 Email: wbankert@laramie-energy.com

Print Name: Wayne P Bankert

Title: Reg. & Env. Manager

Based on the information provided herein, this Oil and Gas Location Assessment complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: \_\_\_\_\_

### Conditions Of Approval

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

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### Best Management Practices

#### No BMP/COA Type

#### Description

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### Attachment List

#### Att Doc Num

#### Name

402780691	DISPROPORTIONATELY IMPACTED COMMUNITY MAP
402780698	OTHER
402789242	CONSULTATION SUMMARY
402789260	MINERAL LEASE MAP
402836419	DIRECTIONAL WELL PLAT
402846618	PRELIMINARY PROCESS FLOW DIAGRAMS
402846808	GEOLOGIC HAZARD MAP
402846815	WILDLIFE HABITAT DRAWING
402846929	LGD CONSULTATION
402848210	NRCS MAP UNIT DESC
402848277	ACCESS ROAD MAP
402848289	RELATED LOCATION AND FLOWLINE MAP
402852775	LOCATION DRAWING
402852776	REFERENCE AREA PICTURES
402852777	LOCATION PICTURES
402853505	EQUIPMENT LIST
402858114	CULTURAL FEATURES MAP
402858115	HYDROLOGY MAP
402859103	REFERENCE AREA MAP
402859199	LAYOUT DRAWING

Total Attach: 20 Files

### General Comments

#### User Group

#### Comment

#### Comment Date

OGLA	Per operator request, returned Form 2A back to 'DRAFT'.	09/13/2021
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Total: 1 comment(s)

## **Public Comments**

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

