

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:

403550437

(SUBMITTED)

Date Received:

12/04/2023

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.

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
231200360		

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 # \_\_\_\_\_
- ☐ 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: 10670

Name: BISON IV OPERATING LLC

Address: 518 17TH STREET SUITE 1800

City: DENVER State: CO Zip: 80202

Contact Information

Name: Katie Gillen

Phone: (720) 644-6997

Fax: (303) 974-1767

email: kgillen@bisonog.com

FINANCIAL ASSURANCE FOR THIS LOCATION (check all that apply)

- ☒ Plugging, Abandonment, and Reclamation \_\_\_\_\_
- ☐ 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: Barracuda

Number: \_\_\_\_\_

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: SWSW Section: 33 Township: 7N Range: 62W Meridian: 6 Ground Elevation: 4896  
Latitude: 40.524590 Longitude: -104.335150  
GPS Quality Value: 1.2 Type of GPS Quality Value: PDOP Date of Measurement: 09/14/2023

## 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: WELD 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. Yes

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: 11/30/2023

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

Status/disposition date: 12/01/2023

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: Jennifer Teeters

Contact Phone: 970-400-3580

Contact Email: oged@weldgov.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: Ray Ogle

Contact Phone: 719-269-8522

Contact Email: rogle@blm.gov

Field Office: Royal Gorge

Additional explanation of local and/or federal process:

Barracuda federal mineral Locations will require BLM APDs. BLM participated in the Weld County pre-application meeting and did not raise any concerns about the project. Bison will discuss the project with BLM and will provide the BLM with information needed for their NEPA process.

## 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: 05/31/2023

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? 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: Jerry & Helen Cass

Phone: (970)381-7160

Address: 37401 CR 79

Fax: (303)974-1767

Address: \_\_\_\_\_

Email: kgillen@bisonog.com

City: Briggsdale State: CO Zip: 80611

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: Blanket

Surety ID Number: 20170114

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: Bison owns oil and gas leasehold interests in the Sandy Bay OGD and has a right to drill in the Application Lands. The leases include Fee and Federal Minerals.

## SITE EQUIPMENT LIST

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

Wells	<u>15</u>	Oil Tanks	<u>6</u>	Condensate Tanks	<u>0</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>1</u>
Pump Jacks	<u>0</u>	Separators	<u>15</u>	Injection Pumps	<u>0</u>	Heater-Treaters	<u>0</u>	Gas Compressors	<u>4</u>
Gas or Diesel Motors	<u>0</u>	Electric Motors	<u>3</u>	Electric Generators	<u>0</u>	Fuel Tanks	<u>0</u>	LACT Unit	<u>3</u>
Dehydrator Units	<u>0</u>	Vapor Recovery Unit	<u>4</u>	VOC Combustor	<u>0</u>	Flare	<u>0</u>	Enclosed Combustion Devices	<u>4</u>
Meter/Sales Building	<u>0</u>	Pigging Station	<u>0</u>			Vapor Recovery Towers	<u>2</u>		

## OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Oil Polisher Separators	<u>2</u>
Surge Vessels	<u>4</u>
Instrument Air Skids	<u>3</u>
Scrubbers	<u>2</u>
Electrical Skid	<u>1</u>
Generators	<u>2</u>
Meter Skids	<u>6</u>
Knockouts	<u>4</u>
Blower/O2 Destructor	<u>2</u>

## 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.

Flowlines ~2"-3" size constructed of carbon steel.  
Water for completions operations will be brought to the location through temporary water lines.  
Produced water, oil and gas pipelines will be constructed by a 3rd party midstream company.

## 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. (1)	604.b. (2)	604.b. (3)	Details of Condition(s)	604.b. (4)
Building:	3066 Feet		NW					
Residential Building Unit (RBU):	3114 Feet		SE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet		N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet		SW					
Public Road:	193 Feet		S					
Above Ground Utility:	228 Feet		S					
Railroad:	5280 Feet		SW					
Property Line:	200 Feet		S					
School Facility:	5280 Feet		N					
Child Care Center:	5280 Feet		N					
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: 20.00

Size of location after interim reclamation in acres: 10.20

Estimated post-construction ground elevation: 4896

## 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: Commercial Disposal

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

N/A.

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:

The current land use is irrigated rangeland.

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

The current land use is agricultural/rural.

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 landowner's designated final land use is Rangeland.

Reference Area Latitude: 40.524085

Reference Area Latitude: -104.332123

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

Plant Community	Dominant vegetation
Native Grassland	The preconstruction vegetation cover observed during the site inspection was partially comprised of native plants. Native plant species observed at the time of the field visit includes needle-and-thread ( <i>Hesperostipa comata</i> ), and blue grama grass ( <i>Bouteloua gracilis</i> ), prickly pear cactus ( <i>Opuntia macrorhiza</i> ), fendler hiddenflower ( <i>Cryptantha fendleri</i> ), common sunflower ( <i>Helianthus annuus</i> ), ribseed sandmat ( <i>Euphorbia glyptosperma</i> ), Rocky Mountain beeplant ( <i>Cleome serrulata</i> ), sand sagebrush ( <i>Oligo</i>

Noxious weeds present: Yes

## 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: Vona loamy sand 3-9% slopes (72)

NRCS Map Unit Name: Olney loamy sand 0-3% slopes (42)

NRCS Map Unit Name: N/A

## GROUNDWATER AND WATER WELL INFORMATION

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

water well: 3119 Feet E

Spring or Seep: 5280 Feet SE

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 159 Feet

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

State water well database.

Note: State database shows a water well on the WPS but based on discussions with landowner and field verification this well is actually located approximately 3,340 feet NE of the Barracuda Location.

## SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 660 Feet S  
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: 660 Feet S

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

The nearest downgradient surface Waters of the State is an NWI mapped riverine - unnamed tributary and NHD wetland -  
mapped intermittent stream.

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:

N/A.

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 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?

There are no High Priority Habit areas, therefore no Compensatory Mitigation Plans are required for this Location.

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?

There are no High Priority Habit areas, therefore no Compensatory Mitigation Plans are required for this Location.

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

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

## Operator 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

## PLANS

Total Plans 13  
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 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 checked="" 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 MLVT will be onsite for 60 days (4 days per well). Tank capacity will be 40,000 bbls and tank diameter is 157.5 feet. The tank vendor/model is Recourse West/Commander model.

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

Signed: \_\_\_\_\_ Date: 12/04/2023 Email: kgillen@bisonog.com

Print Name: Katie Gillen Title: Director of Reg Affairs

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**

0 COA

**Best Management Practices**

**No BMP/COA Type**

**Description**

1	General Housekeeping	Waste Management- General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, permitted facilities. If spills occur, cleanup will be implemented within 24-48 hours, as appropriate, to minimize any commingling of waste materials with storm water runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup will consist of patrolling the roadways, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any impacted soil.
2	Storm Water/Erosion Control	Storm Water Control - Storm water controls will be constructed around the perimeter of the site prior to construction. Typically, Operator utilizes a ditch and berm system of storm water controls on location. BMP's used are determined just prior to construction by a third party storm water contractor and may vary according to the location. Storm water controls will remain in place until the pad reaches final reclamation. Pipeline Protection- Operator Shall use protective barriers at pipeline risers when they are adjacent to areas with onsite traffic.
3	Material Handling and Spill Prevention	Separation Equipment Containment - Operator shall use separators with built-in containment to protect shallow groundwater, placed within lined secondary containment.
4	Material Handling and Spill Prevention	Removal of Onsite Produced Fluid Storage - To protect shallow groundwater and nearby surface water, Operator shall transfer, via flowlines, produced fluids to an offsite location for storage or final transportation to sales/disposal. This does not include the maintenance tank which is for well maintenance and only stores produced fluid temporarily for final disposal.
5	Material Handling and Spill Prevention	<ul style="list-style-type: none"> <li>• Bison will have an MLVT Design Package, certified and sealed by a licensed professional engineer, which is on file in their office and available upon request.</li> <li>• The MLVT will be at least 75 feet from a wellhead, fired vessel, heater-treater, or a compressor with a rating of 200 horsepower or more. It will be placed at least 50 feet from a separator, well test unit, or other non-fired equipment.</li> <li>• All liner seams will be welded and tested in accordance with applicable ASTM International standards.</li> <li>• Bison will be present during initial filling of the MLVT and the contractor will supervise and inspect the MLVT for leaks during filling.</li> <li>• Bison will comply with the testing and reinspection requirements and associated written standard operating procedures (SOP) listed on the design package.</li> <li>• Signs will be posted on the MLVT indicating that the contents are freshwater.</li> <li>• The MLVT will be operated with a minimum of 1 foot of freeboard at all times.</li> <li>• Access to the MLVT will be limited to operational personnel and authorized regulatory agency personnel.</li> <li>• Bison or contractor will conduct daily visual inspections of the exterior wall and surrounding area for integrity deficiencies.</li> <li>• Bison has developed a contingency plan/emergency response plan associated with the MLVT and it is on file at their office.</li> <li>• Construction: Operator acknowledges and will comply with the Colorado Oil &amp; Gas Conservation Commission Policy on the Use of Modular Large Volume Tanks in Colorado dated June 13, 2014</li> </ul>



6	Drilling/Completion Operations	Green Completions (Rule 604.c.(2)C.) - Operator shall install test separators, associated flow lines, sand traps, and emission control systems to accommodate green completions techniques. When commercial quantities of salable quality gas are achieved at each well, the gas shall be immediately directed to a sales line or shut in and conserved. If a sales line is unavailable or other conditions prevent placing the gas into a sales line, Bison shall not produce the wells without an approved variance per Rule 805.b.(3)C.
7	Drilling/Completion Operations	Flowback Activity Containment - Operator Shall utilize portable containment beneath temporary produced liquid storage tanks. This will protect shallow groundwater from any potential spills during completions activity. When flowback activity is complete, the containment and temporary produced liquid storage tanks will be removed and transferred to the next location.
8	Drilling/Completion Operations	Drilling Activity Containment - Operator shall utilize a portable containment liner under the drilling rig during drilling activities. This protects shallow groundwater from any potential spills surrounding the rig during drilling. A liquid release would simply be vacuumed up from the liner. When drilling activity is completed, the liner is removed and transferred to the next drilling location.

Total: 8 comment(s)

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403610572	REFERENCE AREA MAP
403610574	LOCATION PICTURES
403610575	ACCESS ROAD MAP
403610587	CULTURAL FEATURES MAP
403610594	DIRECTIONAL WELL PLAT
403610597	SURFACE AGRMT/SURETY
403610616	OIL AND GAS LOCATION GIS GDB
403611037	NRCS MAP UNIT DESC
403677357	LGD CONSULTATION
403677358	GEOLOGIC HAZARD MAP
403677363	LAYOUT DRAWING
403677364	LESSER IMPACT AREA EXEMPTION REQUEST
403677367	PRELIMINARY PROCESS FLOW DIAGRAMS
403677371	REFERENCE AREA PICTURES
403677376	RELATED LOCATION AND FLOWLINE MAP
403677378	WILDLIFE HABITAT DRAWING
403693936	LOCATION DRAWING
403708709	HYDROLOGY MAP

Total Attach: 18 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Operator has requested a Rule 304.d Lesser Impact Area exemption from the Rule 304.c.(2) Noise Mitigation Plan. The request is based on the the potential impacts to the resource being so minimal as to pose no concern. There are no nearby RBUs, HOBUs, HPH or other receptors. The request is granted by the the Director.	12/28/2023

Total: 1 comment(s)

## **Public Comments**

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

