

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: SWNW Section: 6 Township: 4S Range: 63W Meridian: 6 Ground Elevation: 5600
Latitude: 39.732380 Longitude: -104.487462
GPS Quality Value: 1.2 Type of GPS Quality Value: PDOP Date of Measurement: 08/21/2023

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: 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. 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: 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: Other

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: Sue Liu Contact Phone: 720-874-6500

Contact Email: sliu@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.

Type of Proximate Govt	County	Municipality	Contact Name	Contact Phone	Contact Email
County	ADAMS	N/A	Greg Dean	720-523-6891	gdean@adcogov.org

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:

A pre-submittal meeting was held with Arapahoe County on 7-13-23. The County permit application has not yet been submitted. The pre-submittal meeting notes are attached to this 2A.

No federal surface or minerals requiring BLM consultation.

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: 07/13/2023

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.

- i. WPS < 2,000 feet from RBU/HOBU
- ii. WPS < 2,000 feet from School/Child Care Center
- iii. WPS < 1,500 feet from DOAA
- iv. WPS < 2,000 feet from jurisdictional boundary and PLG objects/requests ALA
- v. WPS within a Floodplain
- vi.aa. WPS within a surface water supply area
- vi.bb. WPS < 2,640 feet from Type III or GUDI well
- vii. WPS within/immediately upgradient of wetland/riparian corridor
- viii. WPS within HPH and CPW did not waive
- ix. Operator using Surface bond
- x. WPS < 2,000 feet 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: AJS Management CO LLC Phone: 720-231-1612
 Address: 26787 CR 13 Fax: _____
 Address: _____ Email: kgillen@bisonog.com
 City: Elizabeth State: CO Zip: 80107

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: Fee mineral oil and gas lease E2094227, dated 9/13/23

SITE EQUIPMENT LIST

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

Wells	16	Oil Tanks	5	Condensate Tanks	0	Water Tanks	4	Buried Produced Water Vaults	0
Drilling Pits	0	Production Pits	0	Special Purpose Pits	0	Multi-Well Pits	0	Modular Large Volume Tank	1
Pump Jacks	0	Separators	16	Injection Pumps	0	Heater-Treaters	2	Gas Compressors	3
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	0	Fuel Tanks	0	LACT Unit	3
Dehydrator Units	0	Vapor Recovery Unit	4	VOC Combustor	0	Flare	0	Enclosed Combustion Devices	4
Meter/Sales Building	4	Pigging Station	0	Vapor Recovery Towers	2				

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Blower/O2 Destructor	2
Electrical Skids	1
Instrument Air Skids	3
Oil Surge Vessel	2
Scrubbers	2
Water Surge Vessel	2
Gas Lift Meter Skid	2
Knockouts	4
Recycle Pumps	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.

Flowlines ~2"-3" size constructed of carbon steel.
 Water for completions operations will be brought to the location through temporary water lines.
 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):			Details of Condition(s)	604.b. (4)
			604.b. (1)	604.b. (2)	604.b. (3)		
Building:	3268 Feet	SW					
Residential Building Unit (RBU):	3223 Feet	SW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	W	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	NE					
Public Road:	1754 Feet	N					
Above Ground Utility:	2850 Feet	S					
Railroad:	5280 Feet	N					
Property Line:	202 Feet	W					
School Facility:	5280 Feet	NE					
Child Care Center:	5280 Feet	NE					
Disproportionately Impacted (DI) Community:	5280 Feet	W					
RBU, HOBU, or School Facility within a DI Community.	5280 Feet	W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

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

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

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

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

	0-500 feet	501-1,000 feet	1,001-2,000 feet
Building Units	0	0	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: 9.52

Estimated post-construction ground elevation: 5600

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:

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:

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

Describe any applicable Federal land use designation:

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):

Reference Area Latitude: _____

Reference Area Latitude: _____

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

< No row provided >

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: Nunn-Bresser-Ascalon complex, 0 to 3 percent slopes

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

GROUNDWATER AND WATER WELL INFORMATION

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

water well: 6780 Feet S

Spring or Seep: 55940 Feet E

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 190 Feet

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

State water well database

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 822 Feet E

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: 3160 Feet SW

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

There is an NWI-mapped Riverine system (West Sand Creek Tributary) east of the proposed Location. This tributary will be protected from any stormwater runoff by the well pad perimeter ditch, the retention pond at the east end of the pad, and stormwater BMPs.

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 _____ 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?

Not required because the Location is not within HPH.

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?

Not required because the Location is not within HPH.

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

Uploaded:

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

VARIANCE REQUESTS

Check all that apply:

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

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

RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

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

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

OPERATOR COMMENTS AND SUBMITTAL

Comments The MLVT will be onsite for 64 days (4 days per well). Tank capacity will be 30,000 bbls and tank diameter is 160 feet.

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

Signed: _____ Date: 09/29/2023 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 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.

<u>COA Type</u>	<u>Description</u>
0 COA	

Best Management Practices

<u>No BMP/COA Type</u>	<u>Description</u>

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
403543857	DIRECTIONAL WELL PLAT
403543858	ACCESS ROAD MAP
403543861	GEOLOGIC HAZARD MAP
403543865	RELATED LOCATION AND FLOWLINE MAP
403543866	WILDLIFE HABITAT DRAWING
403543874	SURFACE AGRMT/SURETY
403546073	CULTURAL FEATURES MAP
403546625	LESSER IMPACT AREA EXEMPTION REQUEST
403731412	HYDROLOGY MAP
403731416	LOCATION PICTURES
403731418	LOCATION DRAWING
403731426	NRCS MAP UNIT DESC
403731501	LOCATION AND WORKING PAD GIS SHP
403731504	PRELIMINARY PROCESS FLOW DIAGRAMS
403732033	LAYOUT DRAWING
403776419	CONSULTATION SUMMARY

Total Attach: 16 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Operator requested a Rule 304.d Lesser Impact Area exemption from the Rule 304.c Noise Mitigation Plan. The request is based on the distance to the nearest RBU and no mapped HPH within 2000 feet. Based on the potentially impacted resources not present in the area and potential impacts being so minimal, the Director has granted the request.	11/28/2023

Total: 1 comment(s)

Public Comments

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

