

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: SE Section: 36 Township: 7N Range: 63W Meridian: 6 Ground Elevation: 4750

Latitude: 40.531120 Longitude: -104.385300

GPS Quality Value: 1.0 Type of GPS Quality Value: PDOP Date of Measurement: 04/25/2024

RELATED REMOTE LOCATIONS

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

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

RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: 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: 09/17/2024

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

Status/disposition date: 01/11/2025

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

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

Contact Name: Jason Maxey

Contact Phone: 970-400-3579

Contact Email: jmaxey@weld.gov

PROXIMATE LOCAL GOVERNMENT INFORMATION

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

< No row provided >

FEDERAL PERMIT INFORMATION

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

Date submitted: _____

Current status or disposition of the Federal drilling permit (or related siting application) for this proposed Oil and Gas Location: _____

Status/disposition Date: _____

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

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

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Field Office: _____

Additional explanation of local and/or federal process:

The 1041WOGLA Hearing for Dorado 36 (1041WOGLA24-0006) was held on 12-12-2024. The Affidavit of Final Notice was Published in the Greeley Tribune in Weld County on January 11, 2025. The Final Order and Final notice have been emailed to the OGLA specialist.

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: 05/29/2024

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

Date of federal consultation: _____

Was an ALA that satisfies Rule 304.b.(2).C (or substantially equivalent information per Rule 304.e) developed during a federal or local government permit application process? If yes, attach the ALA to the Form 2A. Yes

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: The State of Colorado Phone: _____
 Address: 1127 N Sherman Street, STE 300 Fax: _____
 Address: _____ Email: kgillen@bisonog.com
 City: Denver State: CO Zip: 80203

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: _____

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: No

Lease description if necessary: Bison owns oil and gas leasehold interests in the Dorado 36 OGD and has a right to drill in the Application Lands. OT116740 Attached.

SITE EQUIPMENT LIST

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

Wells	10	Oil Tanks	4	Condensate Tanks	0	Water Tanks	2	Buried Produced Water Vaults	0
Drilling Pits	0	Production Pits	0	Special Purpose Pits	0	Multi-Well Pits	0	Modular Large Volume Tank	1
Pump Jacks	0	Separators	10	Injection Pumps	0	Heater-Treaters	0	Gas Compressors	2
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	3	Fuel Tanks	0	LACT Unit	3
Dehydrator Units	0	Vapor Recovery Unit	3	VOC Combustor	0	Flare	0	Enclosed Combustion Devices	2
Meter/Sales Building	1	Pigging Station	3	Vapor Recovery Towers	1				

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Meter Runs	2
Knockouts	2
Oxygen Destructor/Blower	1
Oil Polisher	2
Product Cooler	1
Recycle Pump	1
Electrical Skid	1
Instrument Air Skid	2
Scrubbers (1 gas, 1 fuel gas)	2

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
corrosion inhibitor tank	1
methanol tank	3
Emulsion breaker tank	1

GAS GATHERING COMMITMENT

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

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

FLOWLINE DESCRIPTION

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

Flowlines ~2"-3" size constructed of carbon steel.
 Water for completions operations will be brought to the location through temporary water lines.
 Oil, gas, and produced water 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:	3236 Feet	NW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Residential Building Unit (RBU):	3376 Feet	E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	NE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	SW					
Public Road:	2702 Feet	S					
Above Ground Utility:	2743 Feet	S					
Railroad:	5280 Feet	SW					
Property Line:	1730 Feet	N					
School Facility:	5280 Feet	NE					
Child Care Center:	5280 Feet	NE					
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: 16.60
 Size of location after interim reclamation in acres: 6.40
 Estimated post-construction ground elevation: 4748

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):

Ag-Grazing

Reference Area Latitude: 40.533740

Reference Area Longitude: -104.382460

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

Plant Community	Dominant vegetation
Native Grassland	The pre-disturbance vegetation at the project location consists of both perennial and annual species with blue grama most commonly observed. Buffalo grass, kochia, western wheatgrass, purple three-awn, plains pricklypear, and sand dropseed were also common species. Rare species included small soapweed, western spiderwort, crested wheatgrass, and Idaho fescue.

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: 63 - Tassel loamy fine sand, 5 to 20 percent sloped

NRCS Map Unit Name: 72 - Vona loamy sand, 3 to 9 percent slopes

NRCS Map Unit Name: 74 - Vona sandy loam, 3 to 9 percent slopes

GROUNDWATER AND WATER WELL INFORMATION

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

water well: 1899 Feet NW

Spring or Seep: 5280 Feet E

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 30 Feet

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

The nearest mapped water well is located 2,990' northwest from the WPS - permit number 258353. Due to the permit missing static water level data, Bison determined the depth to groundwater based on the next nearest water well that had static water level which reflects 30 feet on permit 313442. The Location Drawing shows a water well that was surveyed in the field however, the GIS data does not indicate a water well here. Bison does not have this information for this well located 1,899 ft northwest.

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 2400 Feet NW 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: 2400 Feet NW

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

The Crow Creek is approx. 2,400 ft to the NW of the WPS. The NHD and NWI features adjacent to the pad were assessed in the field and determined to not be present. The historic ditches that showed up on and near the pad were surveyed – lacked wetland vegetation and hydrology indicators. The vegetation consisted of the same upland vegetation species in the surrounding area. The ditch did not show signs of having been used in the recent past, as there were no indications of recent flow or OHWMs.

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):

High Priority Habitat (list all that apply)	Oil and Gas Location	Access Road	Utility or Pipeline Corridor
1202.c.(1).H - Ferruginous hawk		x	
1202.d.(3) - Mule deer migration & winter		x	

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

Direct Impacts:

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

No High Priority Habitat (HPH), therefore no compensatory plans required.

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

Direct impact habitat mitigation fee amount: \$ 0

Indirect Impacts:

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

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

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

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

No High Priority Habitat (HPH), therefore no compensatory plans required.

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

Indirect impact habitat mitigation fee amount: \$ 0

Operator Proposed Wildlife BMPs

No BMP

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 14

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 ECOM Rule or Commission
Order number: _____

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

RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

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

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

OPERATOR COMMENTS AND SUBMITTAL

Comments

Bison certifies that the MLVT will be in compliance with the ECMC Policy on Modular Large Volume Tanks in Colorado. Designed, certified and sealed engineering drawings are available upon request. The MLVT will be onsite for approximately 50 days (5 days per well). Tank capacity will be approximately 40,000 bbls and the tank diameter is 157.5 feet. The tank vendor/model is Recourse West/Commander model. 1041WOGLA24-0006 was approved during the hearing on December 12, 2024. Upon approval, the Final Order will be recorded and a copy will be sent to ECMC from Weld County per their Code requirements. The Approved EAP with signatures has been attached to the County Permit which is public record as well as updated in the 2A Plans. The Facilities layout now calls out - interim working pad surface: 5.3 and Detention Pond: 1.1. The detention pond is seeded and stabilized but considered in the unreclaimed acreage.

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

Signed: _____ Date: 09/04/2024 Email: kgillen@bisonog.com

Print Name: Katie Gillen Title: Director 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	

Operator Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
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	Wildlife	Consolidate and centralize fluid collection and distribution facilities to minimize impact to wildlife. Adequately size infrastructure and facilities to accommodate both current and future gas production. Protect culvert inlets from erosion and sedimentation and install energy dissipation structures at outfalls. Install screening or other devices on the stacks and on other openings of heater treaters or fired vessels to prevent entry by migratory birds. Openings greater than 2" on equipment not running 24 hours a day will have avian protection installed. Bison will inform and educate employees and contractors on wildlife conservation practices, including no harassment or feeding of wildlife. Bison will consult CPW and/or other applicable agencies/personnel, upon the discovery of new wildlife constraints, as needed.

3	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.
4	Storm Water/Erosion Control	Culverts will be used along the perimeter ditch under the access road at the entrance to the pad and also underneath the access road leading into the pad. A detention pond will be implemented along the west/northwest corner of the subject location. Stormwater that accumulates within secondary containment will be monitored and removed on an as-needed basis. If stormwater is free of hydrocarbons, it will be pumped into perimeter stormwater BMPs for filtration before discharging offsite. If hydrocarbons are present, stormwater will be removed and sent to a registered disposal facility. Surface armor will be utilized on all working pad surfaces at the subject location.
5	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.
6	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.
7	Material Handling and Spill Prevention	<p>Inspections: Conduct inspections and preventative maintenance on flow lines, storage tanks, and other E&P production equipment; use proper containers, keep lids on containers, and store containers properly to prevent overflow or spillage; maintain secondary containment for recovery of spills; and review SPCC Plans if applicable.</p> <p>Manifests: All drill cuttings generated during drilling operations are transported offsite with proper manifesting for disposal at facilities properly permitted to receive E&P waste. Bison will utilize drying shakers to minimize residual oil on cuttings prior to transport and will promptly remove cuttings during drilling operations. Cuttings will not be stored on site.</p> <p>Sampling/Disposal/Inspections: Prior to transporting of the waste, Bison will ensure that a waste profile is on file with the disposal company or will characterize the waste for profiling. When the waste is sent for disposal, the waste will be identified on the waste shipping manifest. Any associated sampling data, inspection results, and/or SDS information will be kept with the waste profile documentation. Unforeseen wastes not listed in the Waste Stream table will be stored and disposed of in accordance with all regulations applicable to the specific waste. Bison will not bury or burn trash or other waste materials at an oil and gas location. All liner seams will be welded and tested in accordance with applicable ASTM international standards.</p> <p>Trash receptacles will be designed, maintained, and operated to exclude wildlife, and to protect public safety, the environment, and wildlife from exposure to overflowing, leak prone, or insecure trash receptacles.</p> <p>Bison will have no staging, refueling, or chemical storage areas associated with the Project in the vicinity of water resources.</p> <p>Drilling and Completions Leak Detection Measures Use of pit-less drilling systems Use of closed-loop drilling systems Continuous offsite disposal of flowback water to minimize on-location storage Pressure will be monitored throughout completion operations Surrounding the pad with a system of ditches and berms that are intended to collect stormwater runoff and convey it around the edges of the pad.</p> <ul style="list-style-type: none"> • The perimeter berm will also divert any off-site storm water drainage around the site and prevent flooding of the facilities on the site. • The perimeter berm will be sized to contain a 100-year storm event. <p>Production Leak Detection Measures Secondary containment will be sized to contain 150% or more of the volume of the</p>

		<p>largest primary containment vessel within the secondary containment area.</p> <ul style="list-style-type: none"> • Engineered containment berms would be designed and installed to prevent leakage and resist degradation from erosion or routine operation. • Secondary containment areas for tanks are constructed with a synthetic or engineered liner that contains all primary containment vessels and loadlines and will be mechanically connected to the steel ring to prevent leakage. • Stormwater BMPs provide tertiary containment around the perimeter of the production facility. • Engineered containment berms constructed around separation equipment. <p>Production Facilities will be installed with automated fluid level monitoring, capable of alerting the operator in the event of a sudden change in fluid level. Wells will be equipped with remote shut-in capability. Corrosion protection for buried piping. 3-phase pipeline takeaway for oil, gas, and produced water.</p>
8	Dust control	<p>Bison will minimize the amount of fugitive dust through the use of speed restrictions. All vehicles will be subject to a speed limit of 15 MPH on all lease roads to minimize dust. Bison uses traffic signs when leaving the location to remind drivers of specific routes to utilize. Restriction of construction activity during high-wind days. Silica dust from handling sand used in hydraulic fracturing operations will be mitigated by utilization of the enclosed Sand Box type sand delivery method. Bison will stabilize the topsoil stockpiles utilizing vehicle tracking perpendicular to slope angle for short term stabilization and drill seed/crimped straw mulch application for longer term stabilization measures to suppress fugitive dust caused solely by wind. Bison will work diligently to ensure all disturbed surfaces due to oil and gas operations are properly stabilized to minimize any dust migration. Bison will primarily utilize water and/or commercial dust suppressants to limit and creation and spread of fugitive dust on access road and pad locations. While Bison plans to use freshwater for dust suppression efforts, in some situations, chemical based palliatives may be considered as a necessary long-term dust mitigation solution. Should chemical soil binding compounds such as magnesium chloride or similar products be used, Bison will maintain the requisite safety data sheets (SDS) and make said SDS documentation available to state and local government officials. Bison will use only fresh water (potable or non-potable) to conduct dust suppression activities within 300 feet of the ordinary high-water mark of any water body.</p> <p>Operators will not use any of the following fluids for dust suppression:</p> <ul style="list-style-type: none"> • Produced water • E&P Waste or hazardous waste • Crude oil or any oil not specifically designed for road maintenance. • Solvents • Any process fluids`
9	Construction	<p>Bison will direct site lighting downward and inward, such that no light shines above a horizontal plane passing through the center point light source. Bison will use appropriate technology within fixtures that obscures, blocks, or diffuses the light to reduce light intensity outside the boundaries of the Dorado 36 Location. Bison will minimize lighting when not needed to minimize light pollution and obtrusive lighting. Bison will use full cut-off lighting to minimize light pollution and obtrusive lighting. Bison will use lighting colors that reduce light intensity to minimize light pollution and obtrusive lighting. Bison will use low-glare or no-glare lighting to minimize light pollution and obtrusive lighting. When Bison has active operations involving personnel ongoing the Location, Bison will provide sufficient on-site pre-production lighting to ensure the safety of all persons on or near the site. Bison will take all necessary and reasonable precautions to ensure that lighting from the Dorado 36 Oil and Gas Facility does not unnecessarily impact the health, safety, and welfare of motorists on nearby roads. Bison designed the production facility for the lights to tie into a lighting contactor controlled by a photocell.</p>
10	Noise mitigation	<p>Bison is committed to completing a Noise Mitigation Plan and installing necessary BMPs should Bison receive a noise-related complaint and operations are found to be out of compliance of Maximum Permissible Noise Levels. Bison will orient equipment within the Location to reduce potential noise during preproduction and production activities. If required, Bison will install sound wall for drilling and completion to comply with Weld County noise regulations.</p>

11	Emissions mitigation	Bison will employ vapor recovery technology to capture condensate storage tank emissions and route them into the sales pipeline. Any condensate storage tanks emissions that are not routed to the sales line will be combusted in an emission control device with at least 95 percent control efficiency. Bison will use no bleed pneumatic control valves on the production facilities. Bison will utilize electric compressor engines, vapor recovery unit engines, and recycle pumps during the production phase.
12	Emissions mitigation	Oil, Gas and Produced Water pipelines: Significantly reduce truck traffic for oil and water hauling. Tank vapor recovery design which provides a 100% control of tank vapors during operation. Continuous Emissions Monitoring during drilling, completions and first 6 months of production. Line power connection to production facility and all compression will be electrified. Modernized flowback-e.g., flowback wells directly to production facility eliminating additional flowback storage equipment, and truck traffic from water hauling during flowback phase. Robust Inspection and Preventative Maintenance Program. <ul style="list-style-type: none"> • Daily AVO • OGI Inspections per Regulation 7`
13	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.
14	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.
15	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.
16	Drilling/Completion Operations	<ul style="list-style-type: none"> • 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. • 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. • All liner seams will be welded and tested in accordance with applicable ASTM International standards. • Bison will be present during initial filling of the MLVT and the contractor will supervise and inspect the MLVT for leaks during filling. • Bison will comply with the testing and reinspection requirements and associated written standard operating procedures (SOP) listed on the design package. • Signs will be posted on the MLVT indicating that the contents are freshwater. • The MLVT will be operated with a minimum of 1 foot of freeboard at all times. • Access to the MLVT will be limited to operational personnel and authorized regulatory agency personnel. • Bison or contractor will conduct daily visual inspections of the exterior wall and surrounding area for integrity deficiencies. • Bison has developed a contingency plan/emergency response plan associated with the MLVT and it is on file at their office. • Construction: Operator acknowledges and will comply with the Colorado Oil & Gas Conservation Commission Policy on the Use of Modular Large Volume Tanks in Colorado dated June 13, 2014.
17	Drilling/Completion Operations	Group II drilling mud reduced emissions profile, shortens drilling time and time on location which minimizes drilling emissions. Closed loop pit-less system for drilling. Tier IV engines for completion operations. Quiet frac fleet reducing noise during completions. Fresh water delivery via lay-flat lines and stored on site via an MLVT, thereby reducing truck traffic for fresh-water hauling.
18	Interim Reclamation	Weed mitigation will be performed (mowing and/or spraying) on a routine basis per Bison's seasonal schedule and on an ad-hoc basis when necessary. Routine

inspection throughout the life of the pad will be used to identify when action is needed beyond the routine weed mitigation schedule. Bison will also coordinate with Weld County's Weed Division when necessary, in compliance with the Colorado Noxious Weed Act.

Compaction will be limited to maintain microbial activity within the topsoil pile, and the topsoil stockpile will be seeded/mulched to promote vegetation growth. Grading will be employed on all areas not needed for ongoing operations by reshaping the ground surface to planned grades. Any subsoil used during interim reclamation will be applied first, followed by top soil, in order to ensure that topsoil is not contaminated or adulterated and to ensure optimum germination efforts. Individual soil layers will be applied and packed separately and sequentially during interim reclamation. Areas not needed for ongoing operations will be brought back to their pre-disturbance conditions by re-contouring areas where reclamation will occur. Bison, and/or third-party contractors will conduct routine and regularly scheduled inspections during which the reclamation and general site conditions are inspected and monitored. Seed will be used to reclaim areas not needed for ongoing operation during interim reclamation. Seed application at the subject location will be performed using a disc seed drill equipped with depth bands, capable of direct seed placement no deeper than ¼ to ¾ inches, and functioning packer wheels with row spacing not exceeding 8 inches to adequately cover and stabilize the seed. Topsoil will be stockpiled onsite in the northern corner of the pad for later use in the reclamation process. The stockpile will be cat-tracked/surface roughened initially and seeded/mulched later for permanent stabilization. Topsoil will be salvaged prior to construction of the pad. In order to maintain microbial activity of the topsoil, compaction will be limited, slopes will be less than 3:1 and the topsoil stockpile will be seeded/mulched to promote vegetation growth. Employee training on spill prevention, stormwater, and associated practices and procedures will be conducted routinely throughout the life of the pad.

Total: 18 comment(s)

ATTACHMENT LIST

Att Doc Num	Name
403895055	CULTURAL FEATURES MAP
403895057	WILDLIFE HABITAT DRAWING
403895058	ACCESS ROAD MAP
403895060	LOCATION PICTURES
403895062	HYDROLOGY MAP
403895075	LOCATION DRAWING
403898378	SURFACE AGRMT/SURETY
403898395	PRELIMINARY PROCESS FLOW DIAGRAMS
403898443	REFERENCE AREA MAP
403898447	REFERENCE AREA PICTURES
403900784	LGD CONSULTATION
403989576	OTHER
403997926	NRCS MAP UNIT DESC
403997928	GEOLOGIC HAZARD MAP
403998048	LOCATION AND WORKING PAD GIS SHP
404053045	LAYOUT DRAWING
404053055	DIRECTIONAL WELL PLAT
404068335	RELATED LOCATION AND FLOWLINE MAP

Total Attach: 18 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Returned to draft for completeness revisions.	01/23/2025

Total: 1 comment(s)



Public Comments

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

