

FORM  
2A

Rev  
01/21

# State of Colorado Oil and Gas Conservation Commission

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



Document Number:

402590095

**(SUBMITTED)**

Date Received:

07/30/2021

Location ID:

Expiration Date:

## Oil and Gas Location Assessment

This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the COGCC website at <https://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

New Location     Refile     Amend Existing Location # \_\_\_\_\_

If this Location assessment is a component of an Oil and Gas Development Plan (OGDP) application, enter the OGDP docket number(s).

Docket Number	OGDP ID	OGDP Name
210700120		

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

<No existing OGDP number provided>

## CONSULTATION

- This location is included in a Comprehensive Area Plan (CAP). CAP ID # \_\_\_\_\_
- This Location or its associated new access road, utility, or Pipeline corridor meets Rule 309.e.(2).A, B, or C.
- This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).
- This Location includes a Rule 309.e.(2).E variance request.
- This location includes a Rule 309.f.(1).A.ii. variance request.

## Operator

Operator Number: 10261

Name: BAYSWATER EXPLORATION & PRODUCTION LLC

Address: 730 17TH ST STE 500

City: DENVER      State: CO      Zip: 80202

## Contact Information

Name: Lauren Walsh

Phone: (720) 881 4502

Fax: ( )

email: lwalsh@bayswater.us

## FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20080034     Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- Waste Management Surety ID (Rule 704): \_\_\_\_\_

## LOCATION IDENTIFICATION

Name: Ruby      Number: 7-J Pad

Provide the location description and the latitude and longitude of a single point near the center of the Working Pad Surface as a reference for this Location.

Quarter: NESW    Section: 7    Township: 7N    Range: 65W    Meridian: 6    Ground Elevation: 4923

Latitude: 40.589694      Longitude: -104.707111

GPS Quality Value: 1.7      Type of GPS Quality Value: PDOP      Date of Measurement: 04/27/2020



Date of local government consultation:

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

Date of federal consultation: \_\_\_\_\_

Was an ALA that satisfies Rule 304.b.(2).C (or substantially equivalent information per Rule 304.e) developed during a federal or local government permit application process? If yes, attach the ALA to the Form 2A. No

### ALA APPLICABILITY AND CRITERIA

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Does the proposed Oil and Gas Location meet any of the criteria listed in Rule 304.b.(2)B? 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: City of Thornton

Phone: \_\_\_\_\_

Address: 9500 Civic Center Drive

Fax: \_\_\_\_\_

Address: c/o Scott Twombly

Email: scott.twombly@thorntonco.gov

City: Thornton State: CO Zip: 80229-4326

Surface Owner at this Oil and Gas Location:  Fee  State  Federal  Indian

- Check only one:
- The Operator/Applicant is the surface owner.
  - The Operator has a signed Surface Use Agreement for this Location – attach SUA.
  - All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the surface owner owns the minerals beneath this Location and is committed to an oil and gas lease – attach lease map or provide lease description.
  - All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the Operator intends to use a surface bond per Rule 703 to secure access to this Location – attach lease map or provide lease description.

Surface Owner protection Financial Assurance type: N/A Surety ID Number: \_\_\_\_\_

Mineral Owner beneath this Oil and Gas Location:  Fee  State  Federal  Indian

Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes

Lease description if necessary: \_\_\_\_\_

### SITE EQUIPMENT LIST

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

Wells	<u>32</u>	Oil Tanks	<u>10</u>	Condensate Tanks	<u>0</u>	Water Tanks	<u>2</u>	Buried Produced Water Vaults	<u>0</u>
Drilling Pits	<u>0</u>	Production Pits	<u>0</u>	Special Purpose Pits	<u>0</u>	Multi-Well Pits	<u>0</u>	Modular Large Volume Tank	<u>0</u>
Pump Jacks	<u>0</u>	Separators	<u>35</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>0</u>	Electric Generators	<u>1</u>	Fuel Tanks	<u>0</u>	LACT Unit	<u>2</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>4</u>	Pigging Station	<u>0</u>			Vapor Recovery Towers	<u>0</u>		

### OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Scrubbers	7
Gas Lift Injection Manifold	1
Instrument Air Skid	1
Sump	3
Water Transfer Skid	1
Multi-Use Tanks	2

### OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Flowback HP Vessel	6
Flowback Tanks	27
Flowback Choke Manifold	6
Flowback Combustor	2
Flowback LP Vessel	2

### 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.

2" welded steel Sch 160 flowlines from wellheads to separators carrying oil, gas and water, 2" welded steel Sch 80 intra-facility lines, 3", 6", and 8" welded steel Sch 40 dump lines from separators to oil and water tanks, 3" welded steel Sch 80 gas supply line from gas lift compressor to wellheads.  
 The sumps are used to collect rain and snow melt from compressor skids and any water condensate from low pressures vapor lines. No production water is collected in the sumps. The sumps are constructed of 30 bbl fiberglass.

## 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:	1802 Feet	W					
Residential Building Unit (RBU):	2025 Feet	SW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280 Feet	SW	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280 Feet	SW					
Public Road:	2185 Feet	W					
Above Ground Utility:	0 Feet	N					
Railroad:	5280 Feet	W					
Property Line:	0 Feet	S					
School Facility:	5280 Feet	SW					
Child Care Center:	5280 Feet	SW					
Disproportionately Impacted (DI) Community:	2254 Feet	W					
RBU, HOBU, or School Facility within a DI Community.	2517 Feet	W	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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: 13.90

Size of location after interim reclamation in acres: 11.20

Estimated post-construction ground elevation: 4922

## 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 Resource 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 Resource Program (CRP)

Non-Crop Land:  Rangeland  Forestry  Recreation  Other

Subdivided:  Industrial  Commercial  Residential

## REFERENCE AREA INFORMATION

If Final Land Use includes Non-Crop Land (as checked above), the following information is required:

Describe landowner's designated final land use(s):

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

NRCS Map Unit Name: 32 - Kim\_loam\_1\_to\_3\_percent\_slopes

NRCS Map Unit Name: 53 - Otero sandy loam, 5 to 9 percent slopes

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: 1490 Feet SW

Spring or Seep: 5280 Feet S

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:

Location is sensitive due to proximity to surface water.  
Ditch within location will be rerouted. Pond within location will be filled in.  
Depth to groundwater taken from water well permit #15878-R.

## SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 420 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: 1930 Feet NE

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

bank of ditch parallel to spring creek

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?   Yes  

## 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?

Plan is not required.

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

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

#### Indirect Impacts:

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

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

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

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

Plan is not required.

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

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

### Operator Proposed Wildlife BMPs

No 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 COGCC Rule or Commission  
Order number: \_\_\_\_\_

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

## RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

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

- |  |  |
|--|--|
| <input type="checkbox"/> 304.b.(1). Local Government Siting Information      | <input type="checkbox"/> 304.c.(1). Emergency Spill Response Program           |
| <input type="checkbox"/> 304.b.(2). Alternative Location Analysis            | <input type="checkbox"/> 304.c.(2). Noise Mitigation Plan                      |
| <input type="checkbox"/> 304.b.(3). Cultural Distances                       | <input type="checkbox"/> 304.c.(3). Light Mitigation Plan                      |
| <input type="checkbox"/> 304.b.(4). Location Pictures                        | <input type="checkbox"/> 304.c.(4). Odor Mitigation Plan                       |
| <input type="checkbox"/> 304.b.(5). Site Equipment List                      | <input type="checkbox"/> 304.c.(5). Dust Mitigation Plan                       |
| <input type="checkbox"/> 304.b.(6). Flowline Descriptions                    | <input type="checkbox"/> 304.c.(6). Transportation Plan                        |
| <input type="checkbox"/> 304.b.(7). Drawings                                 | <input type="checkbox"/> 304.c.(7). Operations Safety Management Program       |
| <input type="checkbox"/> 304.b.(8). Geographic Information System (GIS) Data | <input 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 checked="" type="checkbox"/> 304.c.(21). Geologic Hazard Plan           |

## OPERATOR COMMENTS AND SUBMITTAL

Comments

A courtesy Notice to Relevant and Proximate Governments was sent to the Town of Ault via email on February 5, 2021.

Surface owner is the same party on both sides of property line and expressed consent to location of wells as indicated in both Waiver and SUA attachments.

Descriptive information about the pond on the eastern edge of the proposed WPS requested in COGCC review submitted as 'Other', even though title is ALA Narrative Summary. ALA is not required for this location. Pond is referenced as 'to be removed' on Hydrology map.

GIS kml submitted as 'Other'.

The following 304.c Plans are not required for this submittal:

- \*Emergency Spill Response Program; not near Type III or GUDI well
- \*Odor Mitigation Plan; No RBU or DOAA within 2000'.
- \*Flood Shut-In Plan; not in floodplain
- \*Hydrogen Sulfide Drilling Plan; no H2S in area
- \*Gas Capture Plan; Operator is committed to connecting to a gathering system by the Commencement of Production Operations.
- \*Community Outreach Plan; no DIC within 2,000'

Soil type(s):

Well Pad: 32 - Kim loam, 1 to 3 percent slopes, 53 - Otero sandy loam, 5 to 9 percent slopes  
Access Road\*\*: 21 - Dacono clay loam, 0 to 1 percent slopes, 24 - Fort Collins loam, 1 to 3 percent slopes

\*\*NRCS Web Soil Survey is not accurate at scale to capture access road soil types. Data provided by COGCC staff.

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

Signed: \_\_\_\_\_ Date: 07/30/2021 Email: regulatory@ascentgeomatics.com

Print Name: Justin Garrett Title: Regulatory Analyst

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.

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

### Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Planning	Bayswater shall connect the proposed facility to crude oil gathering systems and shall transport crude oil from this site via pipelines at first production which will significantly reduce the impacts associated with truck traffic. If a produced water pipeline becomes available to Bayswater during the production phase of the operation Bayswater will connect and transport that product through the produced water pipeline which will eliminate the need for trucking of produced water at this location, thus reducing impacts to traffic.
2	Planning	Per the Surface Use Agreement, Bayswater will install permanent gates at each point where the road intersects perimeter or cross fences, and will install screen and fencing around the well and its facilities.
3	Planning	Per the approved WOGLA, Bayswater shall have a company representative on location for all drilling and completion operations and will monitor every person entering the location for reason to be on the location. If it becomes necessary, Bayswater will install gates or gate guards to restrict traffic on to the location. The installed sound walls will limit access paths on to the location and will aid in identifying those personnel that need to be on location.

4	Community Outreach and Notification	Bayswater consulted with the Ault Pierce Fire Protection District and the Weld County Office of Emergency Management (OEM) regarding the proposed facility and emergency response for this location. The site-specific Emergency Action Plan was approved by both Ault Pierce Fire Protection District and Weld County OEM on 12/9/2020.
5	Storm Water/Erosion Control	<p>Operator shall install stormwater controls, constructed in a manner that is consistent with good engineering practices, that will prevent offsite migration of sediment/contaminant into the nearby bank of ditch parallel to Spring Creek. Stormwater controls shall be installed prior to construction activities. Gas, oil, and water gathering lines will be co-located to minimize potential of erosion associated with construction of any pipeline (s).</p> <p>Stormwater Management is being coordinated with Weld County via Preliminary Drainage Report submitted as part of the 1041 WOGLA Application, and a Grading Permit and Final Drainage Report will be approved by Weld County Public Works prior to site construction.</p> <p>Berm Construction: Tertiary containment will be installed at the Ruby 7-J Pad as required to protect the ditch parallel to Spring Creek which is less than 500' and down gradient of the Location.</p> <p>Per the approved WOGLA, Bayswater will comply with the Colorado Water Quality Control Commission regulations by following the active Stormwater Management Plan, which outlines the BMP's, inspection processes and spill prevention that will be implemented during facility construction and post- construction activities for this location. The location will be covered under Bayswater's fieldwide Stormwater permit, COR400369.</p>
6	Storm Water/Erosion Control	As detailed in the approved WOGLA, the location will be constructed with secondary containment with impervious lining to protect soil and water resources from leaks and spills during the drilling, completion and production phases. Automation will be installed at this site which will provide notice of facility upset conditions with remote shut-in capabilities. Flowlines will be monitored for changes in pressure and tested annually for integrity. A Leak Detection and Repair ("LDAR") program along with an audio, visual, olfactory ("AVO") program is planned for this location as part of a company field-wide leak and spill detection program. The data collected from the AVO, LDAR and flowline testing programs would be made available to the COGCC if requested.
7	Material Handling and Spill Prevention	As referenced in the approved WOGLA, the location will be automated to monitor all production operations remotely. In the event that the facility is not operating under normal conditions, the automation system will immediately notify the operator. The automation system also has the ability to remotely perform an emergency shut down if necessary.
8	Noise mitigation	Bayswater will utilize a quiet frac fleet for completion operations at the OGL. Bayswater will provide 32' engineered noise abatement sound walls oriented along all four sides of the pad to comply with Weld County Code, COGCC requirements and Surface Use Agreement stipulations.
9	Emissions mitigation	By connecting to a gas gathering system, delivering fresh water to the location via pipelines for completions operations, prohibiting trucks idling when not in use, and using electrical power at the site, Bayswater will be reducing impacts from their oil and gas operations to air resources and will perform baseline as well as continuous air quality monitoring to gauge and ensure the effectiveness of their emissions reduction measures.

10	Odor mitigation	If an odor complaint is received, Operator will contact the affected building unit owner and investigate the odor levels within 24 hours, or less if possible, of the receipt of the complaint. Operator will begin investigation and, depending on the source of the odor, will determine the course of odor mitigation. The results of the investigation will determine how Operator proceeds with odor mitigation. Drilling operations will continue if odor can be mitigated concurrently. Operator will contact the affected building unit owner to address the complaint and discuss the investigative results and the additional mitigation efforts the Operator plans to put into place. Such mitigation measures may involve any of the following options as a result of the initial investigation but are not limited to these, depending on the source of the odor: o Adding additional amounts of odor neutralizers to the mud system to reduce odors while still being used per the manufacturer's recommended levels; o Minimize the time of drill cuttings on location by hauling such cuttings to the commercial disposal facility on a more frequent basis while drilling with oil based mud; o Wiping any drilling fluids from the drill pipe as it is racked into the derrick
11	Drilling/Completion Operations	Per the approved WOGLA and the submitted Form 2B, Bayswater will source and deliver fresh water to the location for the completion operations via temporary pipelines which will significantly reduce the impacts associated with truck traffic.
12	Drilling/Completion Operations	By pointing lighting downwards, installing "cut-off" lighting on a timer, and by constructing sound walls, lighting impacts will be minimized wherever possible.
13	Interim Reclamation	Bayswater consulted with the surface owner to minimize the impact on agricultural operations associated with the property. The facilities were located such that they are on the edge of the farming operations and the least disruptive to the irrigation system as possible. Upon completion of all drilling and completion operations and in accordance with Weld County and COGCC rules and regulations, the disturbed area not needed for production operations will be reclaimed and returned to farming operations.

Total: 13 comment(s)

### Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402829572	LOCAL/FED FINAL PERMIT DECISION
402829635	ACCESS ROAD MAP
402829636	CULTURAL FEATURES MAP
402829754	DIRECTIONAL WELL PLAT
402829757	HYDROLOGY MAP
402829758	LOCATION DRAWING
402829760	LOCATION PICTURES
402829764	WILDLIFE HABITAT DRAWING
402829771	EXCEPTION REQUEST LETTER
402829772	WAIVERS
402829774	PRELIMINARY PROCESS FLOW DIAGRAMS
402829776	NRCS MAP UNIT DESC
402829777	CONSULTATION SUMMARY
402829787	OTHER
402829794	SURFACE AGRMT/SURETY
402829796	OTHER
402829917	CONST. LAYOUT DRAWINGS
402874040	RELATED LOCATION AND FLOWLINE MAP
402931825	GEOLOGIC HAZARD MAP
402931833	LESSER IMPACT AREA EXEMPTION REQUEST

Total Attach: 20 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGDP Returned to Draft for: 1. Revisions to Stormwater, Interim Reclamation, and Wildlife Plans 2. Revisions to Geohazard Map, Hydrology Map, and the Lesser Impact Area Exclusion Request 3. Revisions to the Hearing Application	12/23/2021

Total: 1 comment(s)



**Public Comments**

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

