



BAYSWATER
EXPLORATION & PRODUCTION, LLC

RULE 304.e. SUBSTANTIALLY EQUIVALENT INFORMATION COVER SHEET

Ruby 7-J Pad Oil and Gas Development Plan, Docket #210700120

Ruby 7-J Pad: NESW, Section 7, Township 7 North, Range 65 West

Form 2A Doc #402590095

Weld County, Colorado

The attached 1041 WOGLA Application is being submitted as a substantially equivalent document to the Transportation Plan required by COGCC Rule 304.c.(6).

This document was developed for the Weld County 1041 WOGLA.

This document does not conform to COGCC rules or guidance in the following ways:

None.

This document should be accepted as substantially equivalent:

The Required Information Part D (pages 33-34) and approved CDOT Permit (pages 81-84) of the approved 1041 WOGLA Application contain all of the substantially equivalent information required as an equivalent traffic planning document pursuant to Rule 304.c.(6)



Bayswater takes proactive measures as requested by CDPHE during designated Ozone Action Days. Bayswater has an established written plan for its LDAR/AVO inspection process and ozone mitigation measures that includes the frequency for conducting surveys, the technique for determining fugitive emissions, manufacturer and model number of fugitive emissions detection equipment to be used, procedures and timeframes for identifying and repairing fugitive emissions components from which fugitive emissions are detected, procedures and timeframes for verifying fugitive emission component repairs, recordkeeping information, Optical Gas Imaging (OGI) instrument requirements, and other site-specific construction and location information. The Bayswater LDAR Plan is available upon request.

8. Describe how the proposed Oil and Gas Location will comply with the Colorado Water Quality Control Commission regulations. Include the applicable CDPHE Construction Stormwater Permit number(s).

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 field-wide Stormwater permit, COR400369.

9. Describe any additional measures that will be implemented to minimize adverse environmental impacts and protect public health, safety and welfare, including the environment and Wildlife Resources.

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.

Bayswater will comply with all applicable Weld County regulations as well as with COGCC 900 Series rules related to E&P waste. A closed-loop system will be used during drill operations. All drilling fluids and cuttings will be disposed of at a commercial disposal location.

Drilling waste will be hauled off site by a licensed third-party transporter to be disposed of at a properly permitted commercial waste facility per COGCC Rule 907.e, as well as with any applicable Weld County regulations.

- D. Please provide a description of the kind of vehicles (type, size, weight) that will access the Oil and Gas Location during drilling and completion operations and define the haul route. This description shall include the following information:

1. The number of round trips/day (Round trip = 1 trip in and 1 trip out) expected for each vehicle (type, size, weight) passenger cars/pickups, tandem trucks, semi-truck/trailer/RV.
The estimated duration of drilling and completion activity at this site is estimated to be between 12-18 months and will range from passenger cars and pickups, to semi-truck/trailers and tandem truck vehicles.



During the move in and move out of the actual drilling rig equipment, the expected number of per day roundtrips is estimated to be approximately 30 passenger cars/pickups and 40 semi-truck/trailers. For the other days during the drilling phase of the operation, the roundtrip numbers should be reduced to 15 trips/day for passenger cars/pickups and 20 semi-truck/trailer or tandem trucks.

During the move in and move out of the actual hydraulic fracturing completion equipment, the expected number of per day roundtrips is estimated to be approximately 40 passenger cars/pickups and 120 semi-truck/ trailers. For the other days during the completion phase of the operation, the roundtrip numbers are estimated to be 25 passenger cars/pickups and 100 semi-truck/trailers.

2. The routes vehicles will travel from the access of the Oil and Gas Location to the nearest county designated arterial or collector roadway or state highway.
The proposed access point for ingress and egress is directly onto Highway 14. A CDOT Access Permit was submitted on 9/29/2020 and is part of this application.
3. The travel distribution along the identified haul routes (e.g. 50% of traffic will come from the north, 20% from the south, 30% from the east, etc.).
The travel distribution along the routes is expected to be 50% East and 50% West on Highway 14. Traffic will be directed to enter from the East and exit to the West for safest ingress and egress.
4. The time of day when the highest traffic volumes are expected.
The highest traffic volumes are expected at the beginning and end of daylight hours 6-10 AM, 5-8 PM. During frac'ing operations, sand delivery via the Sand Box system will be fairly continuous throughout the 24-hr day.
5. Describe site-specific traffic reduction measures that will utilized.
Applicable traffic reduction measures shall be employed, such as installation of a LACT skid, oil pipeline takeaway, and automation of wells. All water utilized for hydraulic fracturing operations will be pumped to location via canals, ditches and transferred via pipe, thereby significantly reducing truck traffic for hauling water by up to 3,000 truckloads per well.

E. Describe plans for interim and final reclamation of the proposed Oil and Gas Location.

Operator shall be responsible for segregating the topsoil, backfilling, repacking, reseeding, and recontouring the surface of any disturbed area so as not to interfere with Owner's operations and shall reclaim such area to be returned to pre-existing conditions as best as possible with control of all weeds.

Within 90 days subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site. The Operator shall restore the surface of the Land affected by such terminated operations as near as possible to the previous state that existed prior to operations.

Weld County Oil and Gas Location Assessment 1041 WOGLA Permit Application

CDOT Access Permit Application

COLORADO DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ACCESS PERMIT APPLICATION

Issuing authority application
acceptance date:

Instructions:

**Please print
or type**

- Contact the Colorado Department of Transportation (CDOT) or your local government to determine your issuing authority.
- Contact the issuing authority to determine what plans and other documents are required to be submitted with your application.
- Complete this form (some questions may not apply to you) and attach all necessary documents and Submit it to the issuing authority.
- Submit an application for each access affected.
- If you have any questions contact the issuing authority.
- For additional information see CDOT's Access Management website at <https://www.codot.gov/business/permits/accesspermits>

1) Property owner (Permittee) City of Thornton, c/o Scott Twombly		2) Applicant or Agent for permittee (if different from property owner) Ascent Geomatics Solutions	
Street address 9500 Civic Center Drive		Mailing address 8620 Wolff Court	
City, state & zip Thornton, CO 80229-4326	Phone # 720 977 6228	City, state & zip Westminster, CO 80031	Phone # (required) 303 928 7128
E-mail address scott.twombly@ThorntonCO.gov		E-mail address if available jgarrett@ascentgeomatics.com	
3) Address of property to be served by permit (required) Legal: PT SW4 7-7-65 LOT B REC EXEMPT RE-1252 EXC UPRR RES			
4) Legal description of property: If within jurisdictional limits of Municipality, city and/or County, which one? county Weld subdivision block lot section 07 township 07N range 65W			
5) What State Highway are you requesting access from? Hwy 14		6) What side of the highway? <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	
7) How many feet is the proposed access from the nearest mile post? 1390 feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W from: 155		How many feet is the proposed access from the nearest cross street? 2626 feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W from: WCR 39	
8) What is the approximate date you intend to begin construction? 3/1/2021			
9) Check here if you are requesting a: <input type="checkbox"/> new access <input type="checkbox"/> temporary access (duration anticipated:) <input checked="" type="checkbox"/> improvement to existing access <input checked="" type="checkbox"/> change in access use <input type="checkbox"/> removal of access <input type="checkbox"/> relocation of an existing access (provide detail)			
10) Provide existing property use Agriculture			
11) Do you have knowledge of any State Highway access permits serving this property, or adjacent properties in which you have a property interest? <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, if yes - what are the permit number(s) and provide copies: and/or, permit date:			
12) Does the property owner own or have any interests in any adjacent property? <input type="checkbox"/> no <input checked="" type="checkbox"/> yes, if yes - please describe: Pad on parcels 07090700037&070907200002, access on 070907300017			
13) Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property? <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, if yes - list them on your plans and indicate the proposed and existing access points.			
14) If you are requesting agricultural field access - how many acres will the access serve?			
15) If you are requesting commercial or industrial access please indicate the types and number of businesses and provide the floor area square footage of each.			
business/land use	square footage	business	square footage
oil and gas (38 wells)			
16) If you are requesting residential development access, what is the type (single family, apartment, townhouse) and number of units?			
type	number of units	type	number of units
17) Provide the following vehicle count estimates for vehicles that will use the access. Leaving the property then returning is two counts.			
Indicate if your counts are <input type="checkbox"/> peak hour volumes or <input checked="" type="checkbox"/> average daily volumes.	# of passenger cars and light trucks at peak hour volumes 30	# of multi unit trucks at peak hour volumes 15	
# of single unit vehicles in excess of 30 ft.	# of farm vehicles (field equipment)	Total count of all vehicles 45	

18) Check with the issuing authority to determine which of the following documents are required to complete the review of your application.

- | | |
|--|---|
| a) Property map indicating other access, bordering roads and streets. | e) Subdivision, zoning, or development plan. |
| b) Highway and driveway plan profile. | f) Proposed access design. |
| c) Drainage plan showing impact to the highway right-of-way. | g) Parcel and ownership maps including easements. |
| d) Map and letters detailing utility locations before and after development in and along the right-of-way. | h) Traffic studies. |
| | i) Proof of ownership. |

1- It is the applicant's responsibility to contact appropriate agencies and obtain all environmental clearances that apply to their activities. Such clearances may include Corps of Engineers 404 Permits or Colorado Discharge Permit System permits, or ecological, archeological, historical or cultural resource clearances. The CDOT Environmental Clearances Information Summary presents contact information for agencies administering certain clearances, information about prohibited discharges, and may be obtained from Regional CDOT Utility/Special Use Permit offices or accessed via the CDOT Planning/Construction-Environmental-Guidance webpage: <https://www.codot.gov/programs/environmental/resources/guidance-standards/environmental-clearances-info-summary-august-2017/view>

2- All workers within the State Highway right of way shall comply with their employer's safety and health policies/procedures, and all applicable U.S. Occupational Safety and Health Administration (OSHA) regulations - including, but not limited to the applicable sections of 29 CFR Part 1910 - Occupational Safety and Health Standards and 29 CFR Part 1926 - Safety and Health Regulations for Construction.

Personal protective equipment (e.g. head protection, footwear, high visibility apparel, safety glasses, hearing protection, respirators, gloves, etc.) shall be worn as appropriate for the work being performed, and as specified in regulation. At a minimum, all workers in the State Highway right of way, except when in their vehicles, shall wear the following personal protective equipment: High visibility apparel as specified in the Traffic Control provisions of the documentation accompanying the Notice to Proceed related to this permit (at a minimum, ANSI/ISEA 107-1999, class 2); head protection that complies with the ANSI Z89.1-1997 standard; and at all construction sites or whenever there is danger of injury to feet, workers shall comply with OSHA's PPE requirements for foot protection per 29 CFR 1910.136, 1926.95, and 1926.96. If required, such footwear shall meet the requirements of ANSI Z41-1999.


Where any of the above-referenced ANSI standards have been revised, the most recent version of the standard shall apply.

3- The Permittee is responsible for complying with the Revised Guidelines that have been adopted by the Access Board under the American Disabilities Act (ADA). These guidelines define traversable slope requirements and prescribe the use of a defined pattern of truncated domes as detectable warnings at street crossings. The new Standards Plans and can be found on the Design and Construction Project Support web page at: <https://www.codot.gov/business/civilrights/ada/resources-engineers>

If an access permit is issued to you, it will state the terms and conditions for its use. Any changes in the use of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

The applicant declares under penalty of perjury in the second degree, and any other applicable state or federal laws, that all information provided on this form and submitted attachments are to the best of their knowledge true and complete.

I understand receipt of an access permit does not constitute permission to start access construction work.

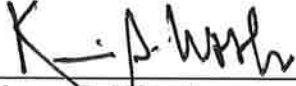
Applicant or Agent for Permittee signature 	Print name Justin Garrett	Date 7/29/2020
If the applicant is not the owner of the property, we require this application also to be signed by the property owner or their legally authorized representative (or other acceptable written evidence). This signature shall constitute agreement with this application by all owners-of-interest unless stated in writing. If a permit is issued, the property owner, in most cases, will be listed as the permittee.		
Property owner signature Please see attached signature page	Print name City of Thornton, c/o Kevin S. Woods	Date 9/29/2020

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ACCESS PERMIT APPLICATION
(Signature Page)


Address of property to be served by permit:

Legal: PT SW4 7-7-65 LOT B REC EXEMPT RE-1252 EXC UPRR RES

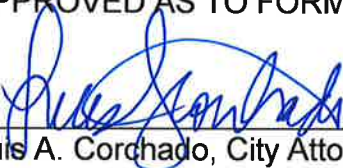
CITY OF THORNTON, COLORADO:

By: 
Kevin S. Woods, City Manager

ATTEST:


Kristen N. Rosenbaum, City Clerk

APPROVED AS TO FORM:


Luis A. Corchado, City Attorney