



**BAYSWATER**  
EXPLORATION & PRODUCTION, LLC

**RULE 304.e. SUBSTANTIALLY EQUIVALENT INFORMATION COVER SHEET**

**Garnet 21-K Pad Oil and Gas Development Plan, Docket #220300044**

**Garnet 21-K Pad: NWSE Section 21, Township 7 North, Range 66 West**

**Form 2A Doc #402529558**

**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.

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This document should be accepted as substantially equivalent:

The attached Required Information Part D (Pages 34-35) and the attached Weld County Access Permit (approved as APOG21-0017) applied for within the approved 1041 WOGLA Application (Pages 77-82) contains all of the substantially equivalent information required as an equivalent traffic planning document pursuant to Rule 304.c.(6).

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# WELD COUNTY ACCESS PERMIT

**Weld County Public Works  
Department**  
1111 H Street  
P.O. Box 758  
Greeley, CO 80632



Phone (970) 304-6496

## Permit Number: APOG21-0017

Issuance of this permit binds applicant and its contractors to all requirements, provisions, and ordinances of Weld County, Colorado.

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<b>Project Name:</b>	Garnet 21-K Pad	<b>Access is on WCR:</b>	78
<b>Permit Expiration Date:</b>	03/01/2024	<b>Nearest Intersection WCR:</b>	78 - 31
<b>Planning/Building Process</b>	1041WOGLA20-0093 Yes	<b>Distance from Intersection:</b>	2635
<b>Parcel(s):</b>	070721000040	<b>Number of Existing Accesses:</b>	2
<b>Proposed Use:</b>	Industrial	<b>Access Width:</b>	24-40'
		<b>Access Turning Radii:</b>	60'
		<b>Latitude:</b>	40.553
		<b>Longitude:</b>	-104.783

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<b>Applicant Information:</b>	<b>Owner Information:</b>
Name: Justin Garret	Name: Scott Twombly
Company: Bayswater Exploration & Production c/o Ascent Geomatics Solutions	Company: City of Thornton
Phone:	Phone:
Email: regulatory@ascentgeomatics.com	Email:

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### Road Surface Type and Construction Information:

Road Surface: Gravel  
Culvert Size and Type: 15" CMP/RCP minimum if required  
Material to Construct Access: Existing  
Start Date: Finish Date:

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A Copy of this permit must be on site at all times during construction hours  
Daily work hours are Monday through Friday DAYLIGHT to 1/2 HOUR BEFORE DARK (applies to weekends if approved)  
Approved MUTCD traffic control / Warning devices are required before work begins and must remain until completion of work  
\*\* Crushed or recycled concrete SHALL NOT be used for tracking material in the County ROW  
All access points shall comply with Weld County Engineering and Construction Criteria found at:  
[https://library.municode.com/co/weld\\_county/codes/charter\\_and\\_county\\_code?nodid=CHL2LIPE\\_AP\\_APX12-AWECOENCOCR](https://library.municode.com/co/weld_county/codes/charter_and_county_code?nodid=CHL2LIPE_AP_APX12-AWECOENCOCR)  
Unless otherwise authorized.

### Special Requirements or Comments

Utilize existing shared access point on CR 78 (1-O&G) located approximately 2632' West of CR 31.

<b>Approved By:</b>   
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**Weld County Public Works Dept.**  
 1111 H Street  
 P.O. Box 758  
 Greeley, CO 80632  
 Phone: (970)304-6496  
 Fax: (970)304-6497

**ACCESS PERMIT  
APPLICATION FORM**

**Property Owner**

Name c/o Scott Twombly  
 Company City of Thornton  
 Address 9500 Civic Center Drive  
 City Thornton State CO Zip 80229-4326  
 Phone \_\_\_\_\_  
 E-mail \_\_\_\_\_

**Information**

The access is on CR 78  
 Nearest intersection: CR 78 & CR 31  
 Distance from intersection: 2632 ft.  
 Parcel number: 070721000040  
 Section/Township/Range: 21/7N/66W  
 Total number of existing accesses to parcel: 2  
 Total number of proposed accesses: 1  
 Latitude 40.557101 Longitude -104.780853  
 Planning/building case number 1041WOGLA20-0093

**Description of Work**

Access for proposed 24-well Garnet 21-K Pad oil & gas location.

**Authorized Agent/Applicant** (if different from Owner)

Name Justin Garrett  
 Company Bayswater Exploration & Production, LLC c/o Ascent Geomatics Solutions  
 Address 8620 Wolff Court  
 City Westminster State CO Zip 80031  
 Phone 303-928-7128  
 E-mail regulatory@ascentgeomatics.com

**Proposed Access Information**

Culvert size & type (15" CMP/RCP min.) 15" CMP/RCP min.  
 Materials used to construct access Class 6 Road Base  
 Access construction schedule 10/1/2021  
 Approx. width of access 20'

**Proposed Access Count**

**Existing Access Count**

Residential _____	Residential _____
Commercial _____	Commercial _____
Oil and Gas <u>1</u>	Oil and Gas _____
Agricultural _____	Agricultural <u>2</u>
Temporary _____	

**Required Attached Documents**


- Property map or sketch (template available on pg. 2) indicating all proposed and existing accesses
- Access Pictures (N, S, E, & W at the location where the access meets a county maintained road)
- Access Authorization Form (Not required if the application is signed by the property owner)
- Additional application materials may be required by the Public Works Department

**Fee schedule**

\$150 - Temporary, Small Commercial & Residential  
 \$300 - Industrial & Large Commercial

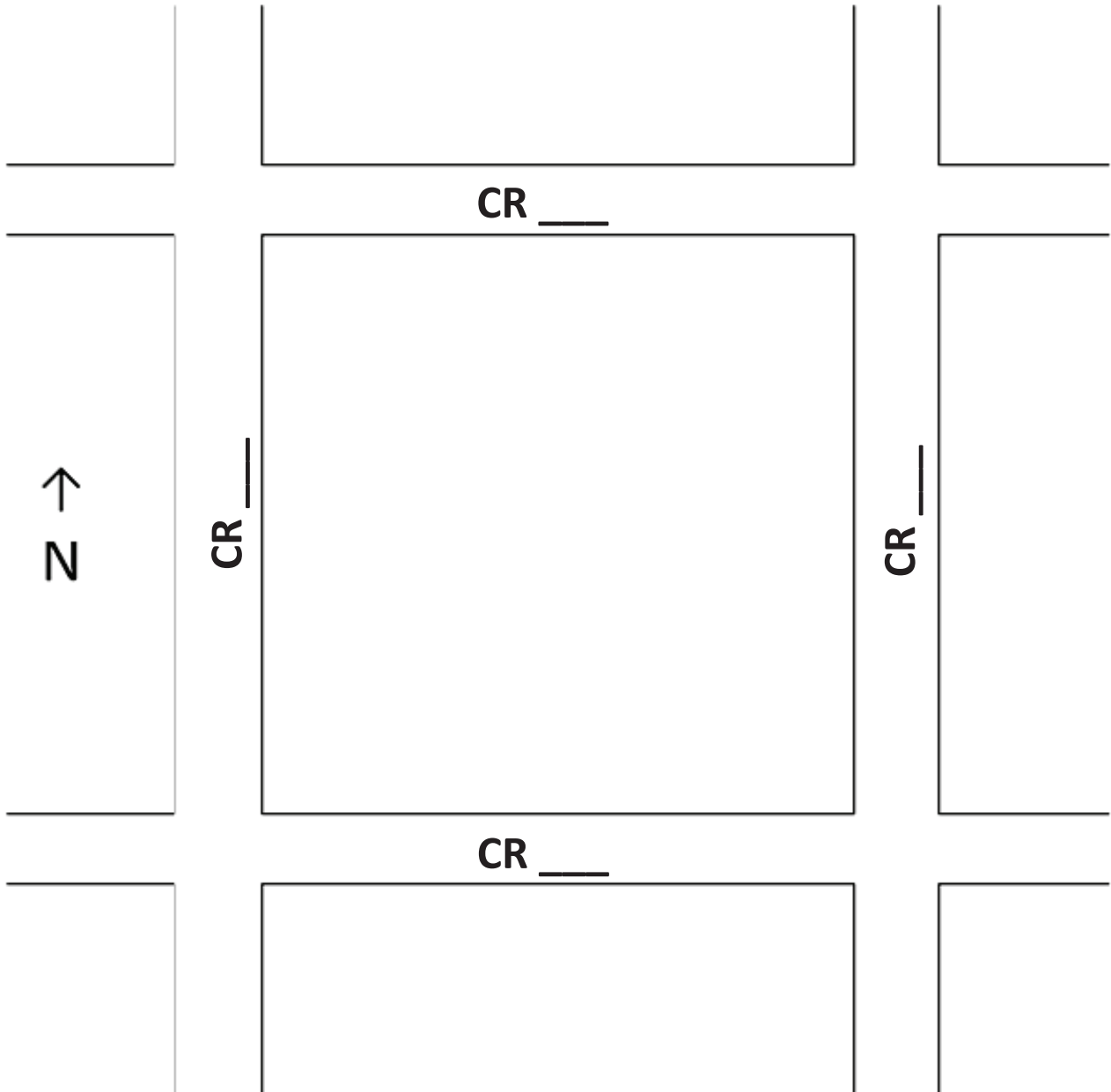
**Submit application to [accesspermits@weldgov.com](mailto:accesspermits@weldgov.com)**

By accepting this permit, the undersigned Property Owner/Authorized Agent, under penalty of perjury, verifies they have received all pages of the permit application; they have read and understand all the permit requirements and provisions set forth on all pages. By virtue of their signature the Property Owner/Authorized Agent is bound by and agrees to comply with all said permit requirements and provisions, all Weld County ordinances, and state laws regarding access construction.

Signature  Printed Name Justin Garrett Date 2/17/2021  
 Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_  
(In case of multiple Property Owners/Authorized Agents)

**Parcel Sketch**

▲ = Existing Access    Δ = Proposed Access



# GARNET 21-K PAD 1041 WOGLA HAUL ROUTE MAP



**LEGEND:**

- = PROPOSED WELL
- - - = PROPOSED ACCESS ROAD
- = SECTION LINE
- = PUBLIC ROAD
- = HAUL ROUTE

DISCLAIMER:  
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

DATA SOURCE:  
AERIAL IMAGERY: NAIP 2019  
PLSS: BLM  
PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.



8620 Wolff Court  
Westminster, CO 80031  
(303) 928-7128  
www.ascentgeomatics.com

FIELD DATE:  
**04-28-20**

DRAWING DATE:  
**11-20-20**


BY:  
**CSG**

CHECKED:  
**IJM**

SITE NAME:  
**GARNET 21-K PAD**

SURFACE LOCATION:  
**NW 1/4 SE 1/4 SEC. 21, T7N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO**

PREPARED FOR:



**BAYSWATER**  
EXPLORATION & PRODUCTION, LLC

facilities in accordance with CDPHE Regulation 7, Part D. In addition, during the Ozone Season, 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 postconstruction 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 property and the least disruptive to the farming operations 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 the surface owner.

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 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. All 24 wells will be drilled at one time.

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.

<b>Estimated Pad Traffic</b>	<b>24 1.5 mile Wells</b>		
	<b>Daily Heavy</b>	<b>Daily Light</b>	<b>Days</b>
Pad Construction	20	5	5
MIRU & RDMO Rig	40	30	6
Drilling Operations	15	20	144
Completion Operations	100	25	96
Drill Outs & Flowback	80	20	48
Battery Construction	5	15	60
<b>Pad Trip Totals</b>	16,240	7,345	359
<b>Per Well Totals</b>	677	306	15
<b>Average per day</b>	45	20	

- 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 WCR 78. A Weld County Access Permit will be submitted as 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 WCR 78.
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. Water for frac operations will be stored via a temporary Minion tank.

- 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.