

St Croix Operating, Inc.
Prairie Ridge OGD
Section 13, T3S R50W
Washington County, Colorado

EMERGENCY RESPONSE PLAN

St Croix Operating, Inc. (St Croix) proposes with this plan to construct four new locations in Washington County, Colorado. Three of the locations are new proposed well pads with one new well: Prairie Ridge #1, Prairie Ridge #2, and Prairie Ridge #3. The fourth location covered in this plan is the Prairie Ridge Production Facility, which will produce the Prairie Ridge #1 - #3 wells and will also have an injection well on location, the Prairie Ridge SWD #4.

This plan has been drafted to comply with COGCC Rules 304.c.(8) and Rule 602.j.

1. Local Responder Coordinating Agency and Contact Information

This location is in Washington County, Colorado, in the Cope Rural Fire District.

The plan was reviewed and received concurrence from Washington County on March 28, 2023. Please see the attached email correspondence.

Washington County Emergency Manager
100% Full-time

Contact: Bryant McCall
970-630-8662
150 Ash Avenue
Akron, CO 80720

Cope Volunteer Fire Department
100% Volunteer

Contact: (970) 357-4300
6884 Monroe Ave.
Cope, CO 80812

Yuma District Hospital
100% Full-time

Contact: (970) 848-5405
1000 W. 8th Ave.
Yuma, CO 80759

2. Operator Emergency Contact Number

Contact: Paul Melnychenko
St Croix Operating, Inc
532 West 66th St
Loveland, CO 80538

3. Local Responder Mutual Aid Agencies

| | |
|---|----------------|
| Cope Rural Fire Protection District | 100% Volunteer |
| Southwest Washington County Fire District | 100% Volunteer |
| Washington County Sheriff | 100% Paid |

4. Potential Impacts to the Environment and Nearby Population

This location is located over one mile from the nearest building. It is over one mile south of a public road. In the event of an emergency, there should be minimal impacts to nearby populations. There are no immediate potential environmental impacts to waterways or water bodies.

5. Health and Safety Action Levels

a. Decontamination

- i. St. Croix will have eyewash stations and freshwater available onsite if there are chemicals in use on location that could be hazardous on skin contact.

b. Staging Areas

- i. Should an emergency occur that warrants leaving the location, staging areas and muster points will occur at the intersection of the access road and County Road 17.

6. Site Specific Information

| Location Information | |
|---|--|
| Location Name | Prairie Ridge #1 |
| COGCC Location ID | Pending |
| Location Legal Description | NESE Section 13, T3S R50W |
| Location Latitude and Longitude | 39.79098, -102.91962 |
| Directions to location from Cope Rural Fire Protection District, Colorado | Head north on CR 7, which turns slightly left and becomes CR YY. Travel for 9.1 miles and turn left onto CR 16. In 1.3 miles CR 16 becomes CR 17. Continue on CR 17 for 2.4 miles and then turn left |

| | |
|---|--|
| | at the access point. Continue south to the location. |
| Description of Site Setting | This location is sited in rangeland. There are no immediate potential impacts to waterways or water bodies. |
| Description of Location Equipment, Fluids, and Potential Hazards | <p>This location will contain a wellhead and an off-location flowline that will parallel the access road to the northwest.</p> <p>Potential hazards would be a leak from the flowline.</p> |
| Description of Mitigation Measures for Potential Impacts to the Environment and Nearby Population | The off-location flowline undergoes Audio-Visual-Olfactory inspections monthly and annual pressure testing to ensure integrity of the line. |
| Response Equipment Staged on Location | None |
| Safety Action Levels, Decontamination, and Staging Areas | Should an emergency occur that warrants leaving the location, staging areas and muster points will occur at the intersection of the access road and County Road 17. |

| Location Information | |
|---|---|
| Location Name | Prairie Ridge #2 |
| COGCC Location ID | Pending |
| Location Legal Description | NWSE Section 13, T3S R50W |
| Location Latitude and Longitude | 39.7914224, -102.9221296 |
| Directions to location from Cope Rural Fire Protection District, Colorado | Head north on CR 7, which turns slightly left and becomes CR YY. Travel for 9.1 miles and turn left onto CR 16. In 1.3 miles CR 16 becomes CR 17. Continue on CR 17 for 2.4 miles and then turn left at the access point. Continue south to the location. |
| Description of Site Setting | This location is sited in rangeland. There are no immediate potential impacts to waterways or water bodies. |

| | |
|---|--|
| Description of Location Equipment, Fluids, and Potential Hazards | <p>This location will contain a wellhead and an off-location flowline that will parallel the access road to the northwest.</p> <p>Potential hazards would be a leak from the flowline.</p> |
| Description of Mitigation Measures for Potential Impacts to the Environment and Nearby Population | The off-location flowline undergoes Audio-Visual-Olfactory inspections monthly and annual pressure testing to ensure integrity of the line. |
| Response Equipment Staged on Location | None |
| Safety Action Levels, Decontamination, and Staging Areas | Should an emergency occur that warrants leaving the location, staging areas and muster points will occur at the intersection of the access road and County Road 17. |

| Location Information | |
|---|---|
| Location Name | Prairie Ridge #3 |
| COGCC Location ID | Pending |
| Location Legal Description | NESE Section 13, T3S R50W |
| Location Latitude and Longitude | 39.79256851, -102.9199834 |
| Directions to location from Cope Rural Fire Protection District, Colorado | Head north on CR 7, which turns slightly left and becomes CR YY. Travel for 9.1 miles and turn left onto CR 16. In 1.3 miles CR 16 becomes CR 17. Continue on CR 17 for 2.4 miles and then turn left at the access point. Continue south to the location. |
| Description of Site Setting | This location is sited in rangeland. There are no immediate potential impacts to waterways or water bodies. |
| Description of Location Equipment, Fluids, and Potential Hazards | <p>This location will contain a wellhead and an off-location flowline that will parallel the access road to the northwest.</p> <p>Potential hazards would be a leak from the flowline.</p> |

| | |
|---|---|
| Description of Mitigation Measures for Potential Impacts to the Environment and Nearby Population | The off-location flowline undergoes Audio-Visual-Olfactory inspections monthly and annual pressure testing to ensure integrity of the line. |
| Response Equipment Staged on Location | None |
| Safety Action Levels, Decontamination, and Staging Areas | Should an emergency occur that warrants leaving the location, staging areas and muster points will occur at the intersection of the access road and County Road 17. |

| Location Information | |
|---|---|
| Location Name | Prairie Ridge Production Facility / SWD #4 |
| COGCC Location ID | Pending |
| Location Legal Description | SE1/4 Section 13, T3S R50W |
| Location Latitude and Longitude | 39.79539381, -102.9279567 |
| Directions to location from Cope Rural Fire Protection District, Colorado | Head north on CR 7, which turns slightly left and becomes CR YY. Travel for 9.1 miles and turn left onto CR 16. In 1.3 miles CR 16 becomes CR 17. Continue on CR 17 for 2.4 miles and then turn left at the access point. Continue south to the location. |
| Description of Site Setting | This location is sited in rangeland. There are no immediate potential impacts to waterways or water bodies. |
| Description of Location Equipment, Fluids, and Potential Hazards | This location will contain 1 wellhead and production equipment. |
| Description of Mitigation Measures for Potential Impacts to the Environment and Nearby Population | The off-location flowline undergoes Audio-Visual-Olfactory inspections monthly and annual pressure testing to ensure integrity of the line. |
| Response Equipment Staged on Location | None |
| Safety Action Levels, Decontamination, and Staging Areas | Should an emergency occur that warrants leaving the location, staging areas and muster points will occur at the intersection of the access road and County Road 17. |

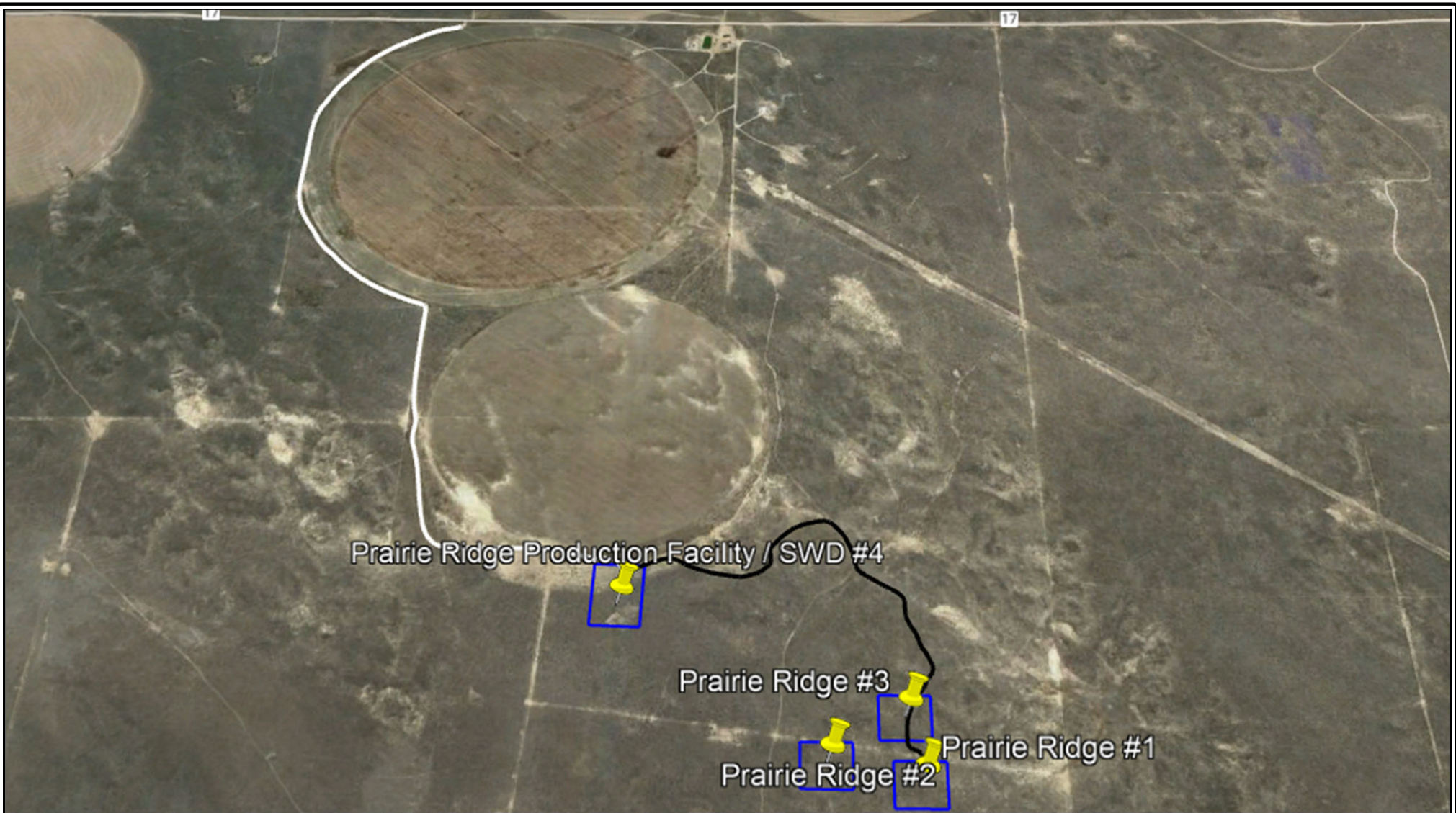
Attachments:

OGDP Site Locations Drawing

Emergency Route Maps

Access Road Maps

Washington County Emergency Manager Concurrence with Plan



St. Croix Operating, Inc.
Prairie Ridge Project
S13 T3S R50W
Site Locations

Legend



Working Pad Surface



Proposed Access Road

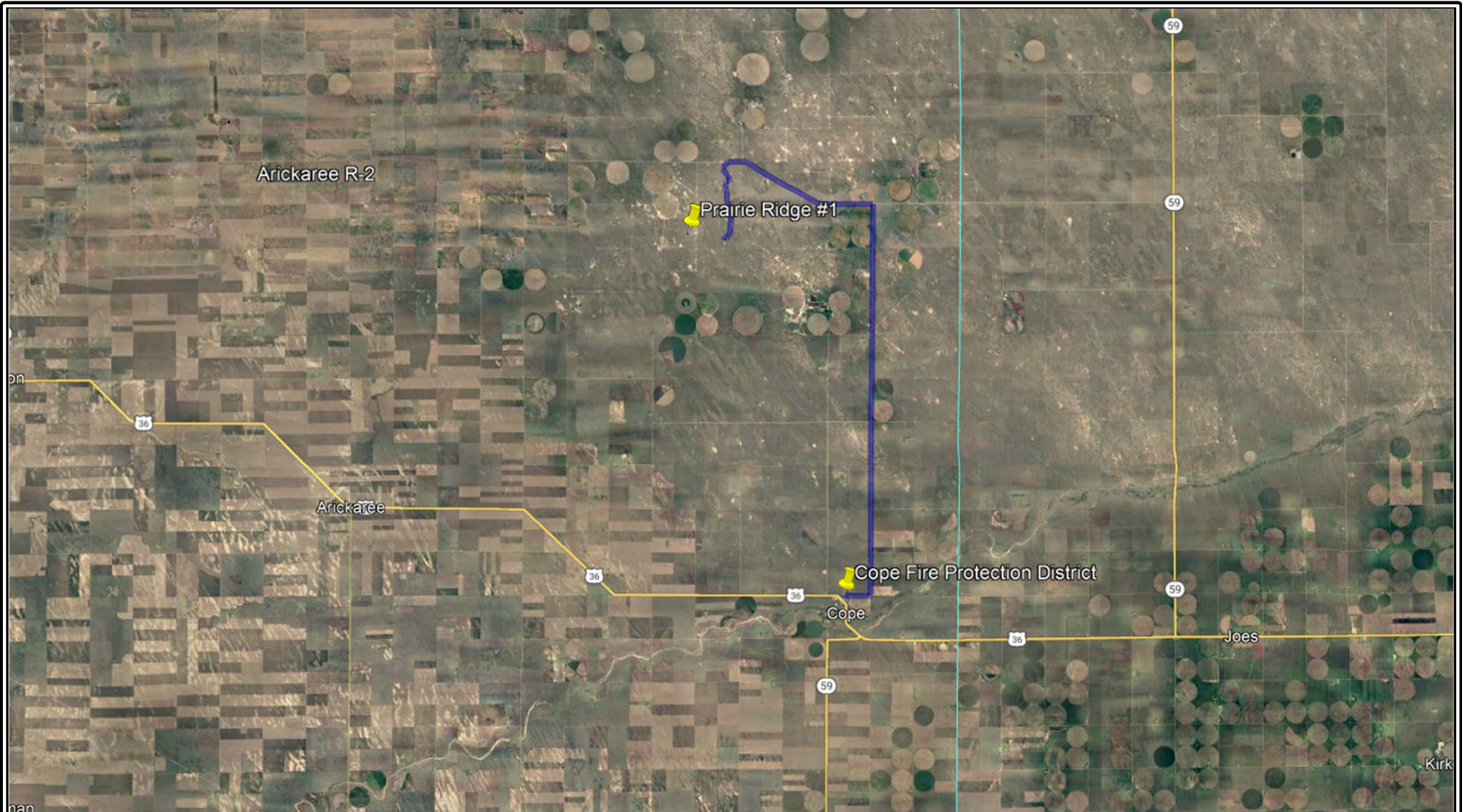


0 ft 400 ft 800 ft



Prepared By:
Ardor Environmental LLC

March 30, 2023



St. Croix Operating, Inc.
Prairie Ridge Project
S13 T3S R50W
Emergency Route Map

Legend



Emergency Route



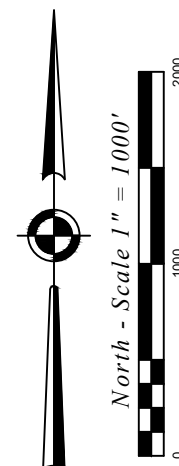
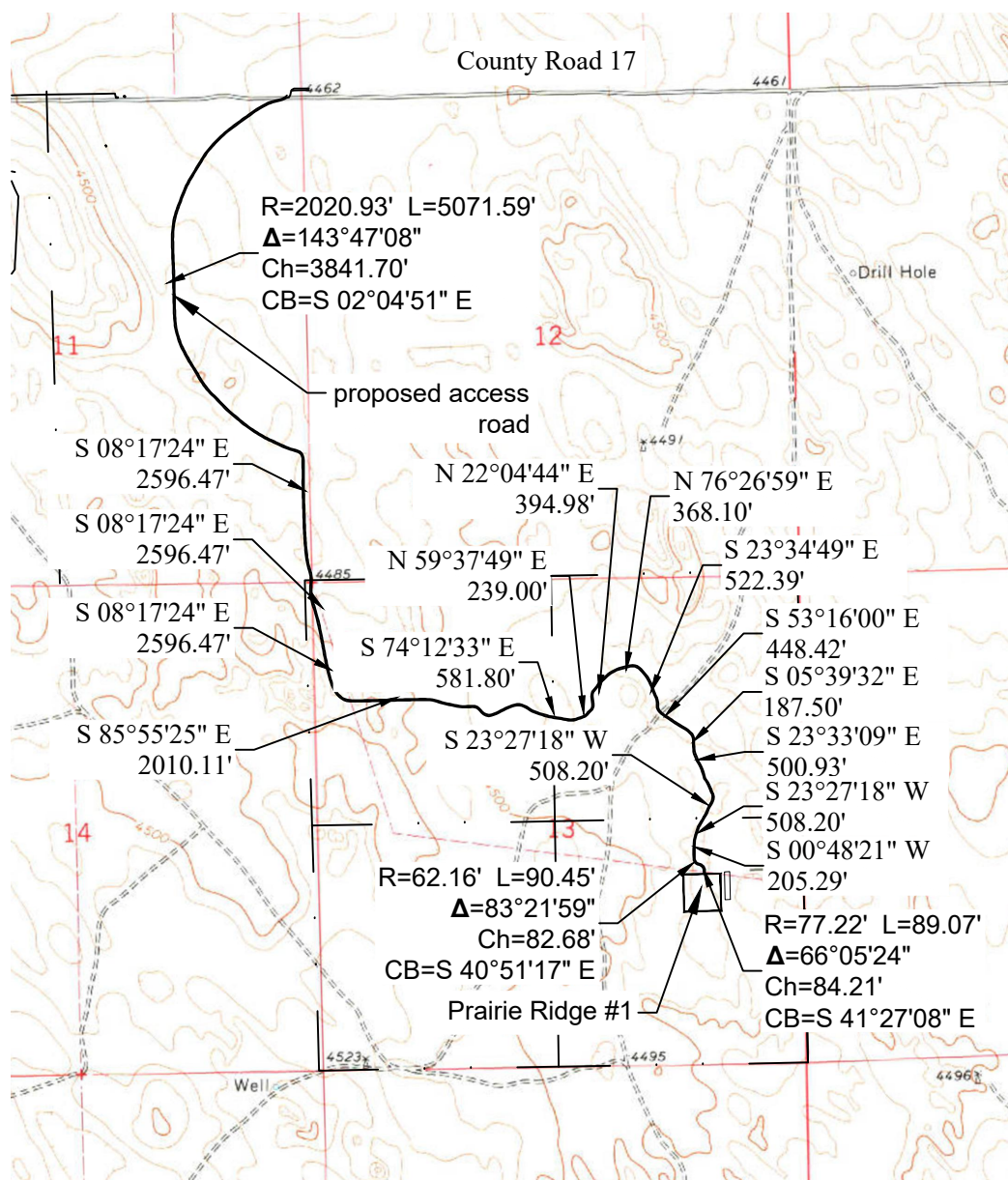
0 Miles 2.25 Miles 4.5 Miles



Prepared By:
Ardor Environmental LLC

March 24, 2023

Access Road Map



Legend:

| | |
|-------|----------------------|
| | section line |
| ———— | WPS |
| ----- | proposed access road |

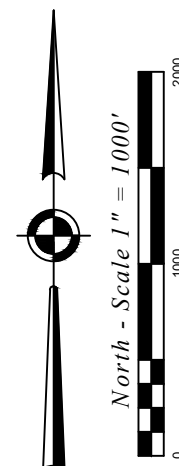
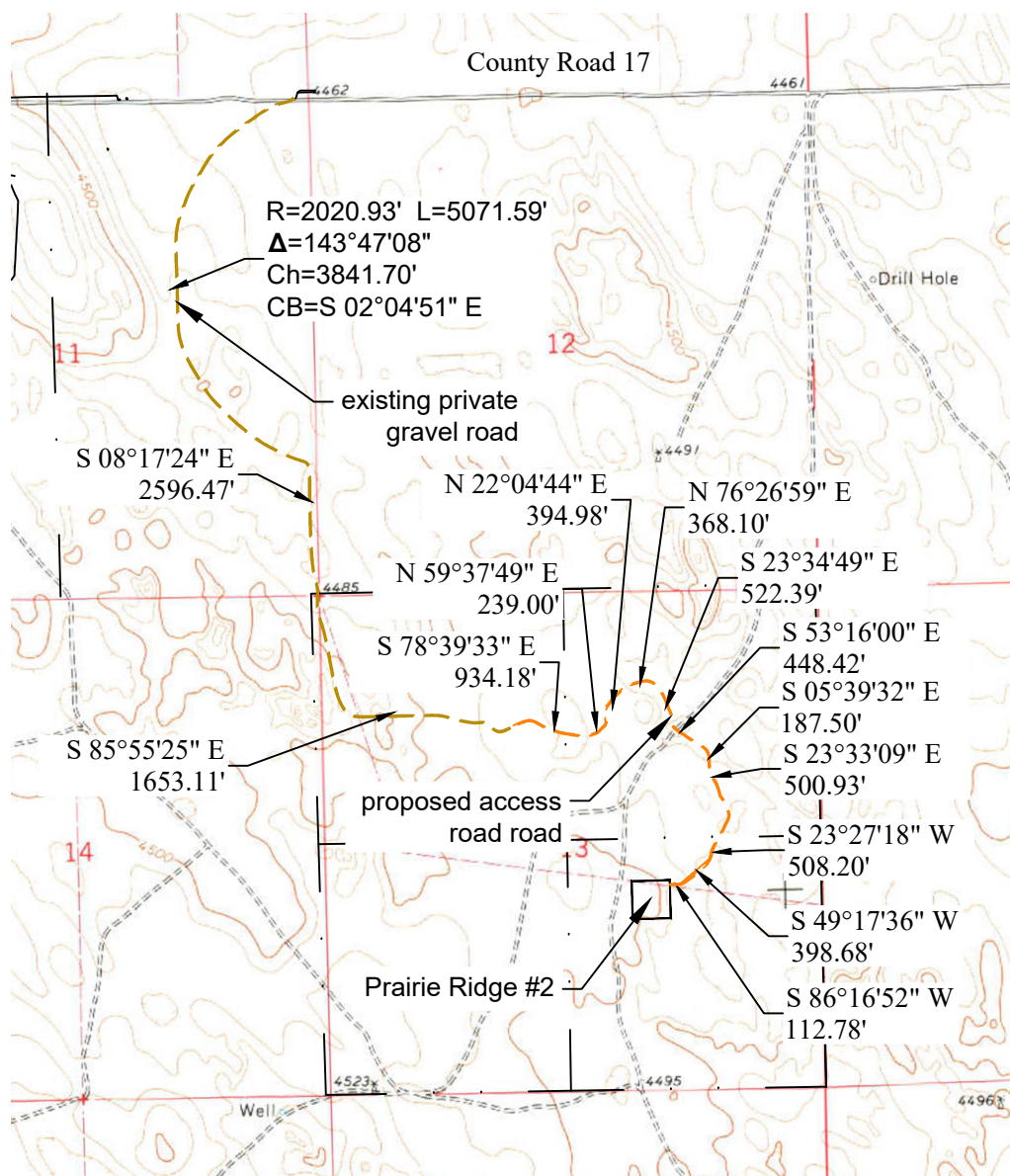
| Distance from Proposed Well to nearest : | Direction: |
|--|------------|
| Building: 5280' | N |
| Residential Building Unit: 5280' | N |
| High Occupancy Building Unit: 5280' | N |
| Designated Outside Activity Area: 5280' | N |
| Public Road: 5280' | N |
| Aboveground Utility: 5280' | N |
| Railroad: 5280' | N |
| Property Line: 1100' | E |
| School Facility: 5280' | N |
| School Property Line: 5280' | N |
| Child Care Center: 5280' | N |
| RBU or HOBV within DI Comm: 5280' | N |

| Distance from Proposed WPS to nearest : | Direction |
|---|-----------|
| Building: 5280' | N |
| Residential Building Unit: 5280' | N |
| High Occupancy Building Unit: 5280' | N |
| Designated Outside Activity Area: 5280' | N |
| Public Road: 5280' | N |
| Aboveground Utility: 5280' | N |
| Railroad: 5280' | N |
| Property Line: 900' | E |
| School Facility: 5280' | N |
| Disproportionately Impacted Comm: 5280' | N |
| Child Care Center: 5280' | N |
| RBU or HOBV within DI Comm: 5280' | N |

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| | | | | |
|------------|-------------------------|---------------------------------|--|----------------------------|
| Well Name: | Prairie Ridge #1 | Field Date 11.22.2022 | Prepared for: | Project#: 22093.001 |
| | | Party Chief BAB | St Croix Operating, LLC | |
| | S13-T03S-R50W-6 PM | Survey Tech N/A | | |
| | Washington County, CO | Proj. Manager BAB | | |
| | | | PLS Corporation 1205 Des Moines Ave Loveland, Colorado 80537 970.669.2100 - info@plscorporation.com | |

Access Road Map



Legend:

| | |
|-----------|------------------------------|
| --- -- | section line |
| — | WPS |
| - - - - - | proposed access road |
| - - - - - | existing private gravel road |

Access Road Distance: 4,614 feet
 Access Road Disturbance: 1.59 acres

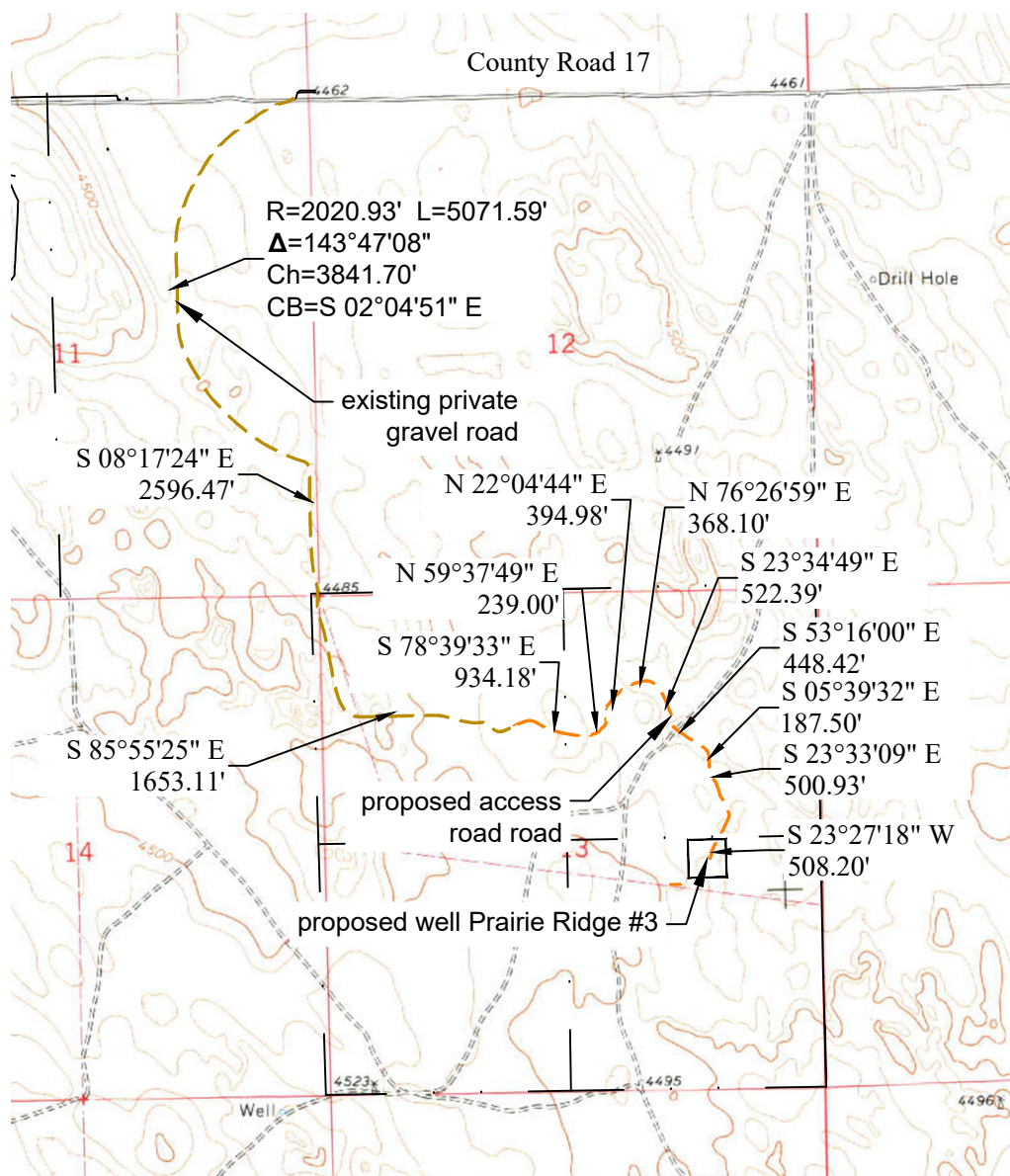
| Distance from Proposed Well to nearest : | | Direction: |
|--|-------|------------|
| Building: | 5280' | N |
| Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1800' | E |
| School Facility: | 5280' | N |
| School Property Line: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBU or HOBV within DI Comm: | 5280' | N |

| Distance from Proposed WPS to nearest : | | Direction |
|---|-------|-----------|
| Building: | 5280' | N |
| Residential Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1600' | E |
| School Facility: | 5280' | N |
| Disproportionately Impacted Comm: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBU or HOBV within DI Comm: | 5280' | N |

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| | | | | |
|-----------------------|-------------------------|--------------------------|--|---------------------|
| Well Name: | Prairie Ridge #2 | Field Date 11.22.2022 | Prepared for: | Project#: 22094.001 |
| | | Party Chief BAB | St Croix Operating, LLC | |
| S13-T03S-R50W-6 PM | | Survey Tech N/A | | |
| Washington County, CO | | Proj. Manager BAB | | |
| | | | PLS Corporation 1205 Des Moines Ave Loveland, Colorado 80537 970.669.2100 - info@plscorporation.com | |

Access Road Map



Access Road Distance: 4,102 feet
 Access Road Disturbance: 1.41 acres

Legend:

- section line
- WPS
- - - - - proposed access road
- - - - - existing private gravel road

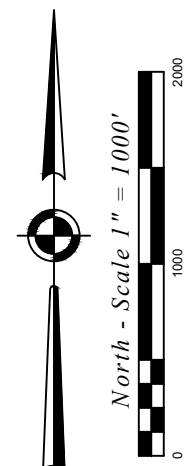
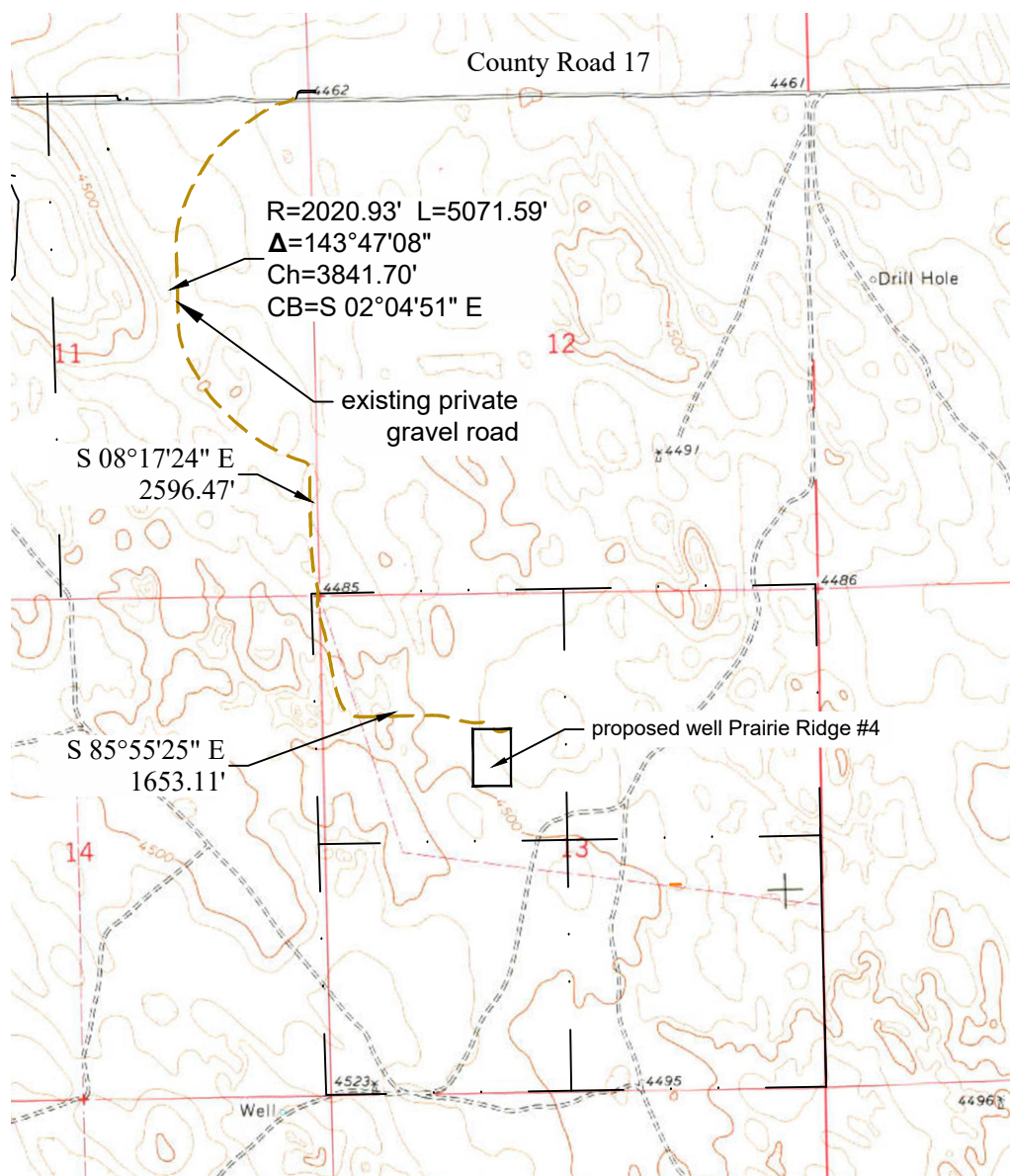
| Distance from Proposed Well to nearest : | | Direction: |
|--|-------|------------|
| Building: | 5280' | N |
| Residential Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1200' | E |
| School Facility: | 5280' | N |
| School Property Line: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBU or HOBV within DI Comm: | 5280' | N |

| Distance from Proposed WPS to nearest : | | Direction |
|---|-------|-----------|
| Building: | 5280' | N |
| Residential Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1000' | E |
| School Facility: | 5280' | N |
| Disproportionately Impacted Comm: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBU or HOBV within DI Comm: | 5280' | N |

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| | | |
|-------------------------|-------------------|--|
| Well Name: | Field Date | Project#: |
| Prairie Ridge #3 | 11.22.2022 | 22095.001 |
| | Party Chief | St Croix Operating, LLC |
| S13-T03S-R50W-6 PM | BAB | |
| | Survey Tech | |
| | N/A | |
| Washington County, CO | Proj. Manager | PLS Corporation |
| | BAB | 1205 Des Moines Ave |
| | | Loveland, Colorado 80537 |
| | | 970.669.2100 - info@plscorporation.com |

Access Road Map



Legend:

- section line
- WPS
- - - existing private gravel road

| Distance from Proposed Well to nearest : | | Direction: |
|--|-------|------------|
| Building: | 5280' | N |
| Residential Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1863' | N |
| School Facility: | 5280' | N |
| School Property Line: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBH or HOBH within DI Comm: | 5280' | N |

| Distance from Proposed WPS to nearest : | | Direction |
|---|-------|-----------|
| Building: | 5280' | N |
| Residential Building Unit: | 5280' | N |
| High Occupancy Building Unit: | 5280' | N |
| Designated Outside Activity Area: | 5280' | N |
| Public Road: | 5280' | N |
| Aboveground Utility: | 5280' | N |
| Railroad: | 5280' | N |
| Property Line: | 1466' | N |
| School Facility: | 5280' | N |
| Disproportionately Impacted Comm: | 5280' | N |
| Child Care Center: | 5280' | N |
| RBH or HOBH within DI Comm: | 5280' | N |

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| | | | |
|--|---------------------------------|--|----------------------------|
| Well Name: Prairie Ridge Production Facility | Field Date 11.22.2022 | Prepared for: St Croix Operating, LLC | Project#: 22096.001 |
| S13-T03S-R50W-6 PM | Party Chief BAB | PLS Corporation 1205 Des Moines Ave Loveland, Colorado 80537 970.669.2100 - info@plscorporation.com | |
| Washington County, CO | Survey Tech N/A | | |
| | Proj. Manager BAB | | |



Amanda Petzold <apetzold@ardorenvironmental.com>

Review Requested - St. Croix Operating - Emergency Response Plan

3 messages

Amanda Petzold <apetzold@ardorenvironmental.com>
To: Bryant McCall <oem@co.washington.co.us>
Cc: Jessica Donahue <jdonahue@ardorenvironmental.com>

Tue, Mar 28, 2023 at 1:10 PM

Good afternoon Bryant,

I have another draft of an Emergency Response Plan for your review and approval. This is St. Croix's ERP for the Prairie Ridge Oil and Gas Development Plan being applied for with Colorado Oil and Gas Conservation Commission. Please review and advise if any revisions are required.

Thank you,

Amanda Petzold
Permitting Specialist
(970) 415-1466
apetzold@ardorenvironmental.com



 **Prairie Ridge OGDG Emergency Response Plan.pdf**
3799K

Bryant McCall <oem@co.washington.co.us>
To: Amanda Petzold <apetzold@ardorenvironmental.com>

Tue, Mar 28, 2023 at 1:18 PM

Amanda,

This all looks good to me.

[Quoted text hidden]

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Bryant McCall
Washington County OEM
oem@co.washington.co.us
1-970-630-8662

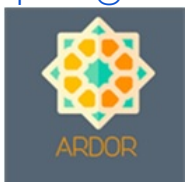
Amanda Petzold <apetzold@ardorenvironmental.com>
To: Bryant McCall <oem@co.washington.co.us>
Cc: Jessica Donahue <jdonahue@ardorenvironmental.com>

Tue, Mar 28, 2023 at 1:19 PM

Bryant,

Thanks for the quick review.

Amanda Petzold
Permitting Specialist
(970) 415-1466
apetzold@ardorenvironmental.com



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