

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	This location will contain a wellhead and an off-location flowline that will parallel the access road to the northwest. Potential hazards would be a leak from the flowline.
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

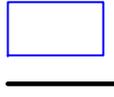
Access Road Maps

Washington County Emergency Manager Concurrence with Plan



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

Legend



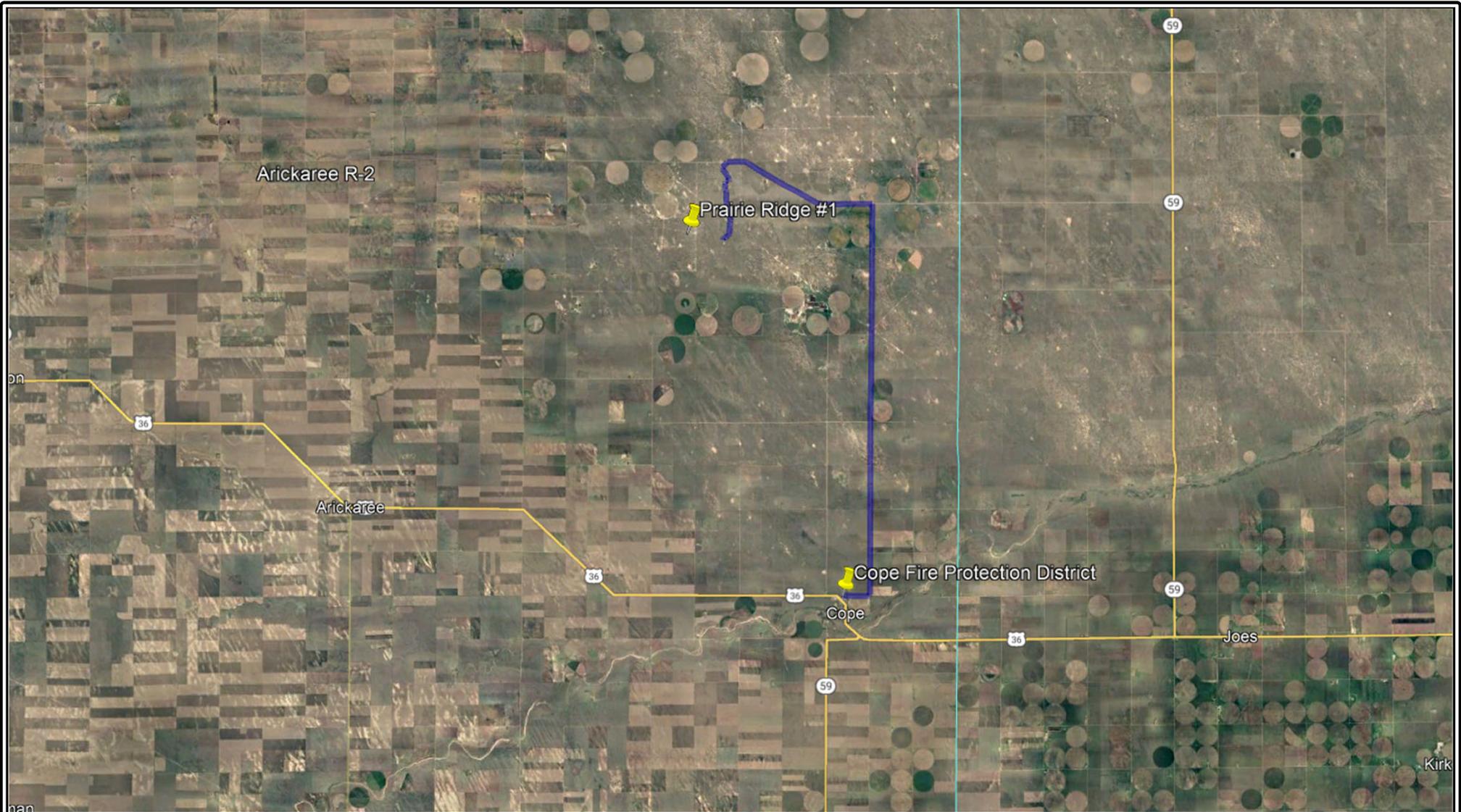
Working Pad Surface

Proposed Access Road



Prepared By:
 Ardor Environmental LLC

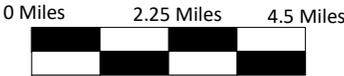
March 30, 2023



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

Legend

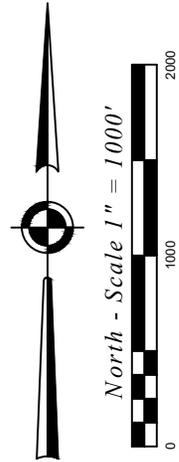
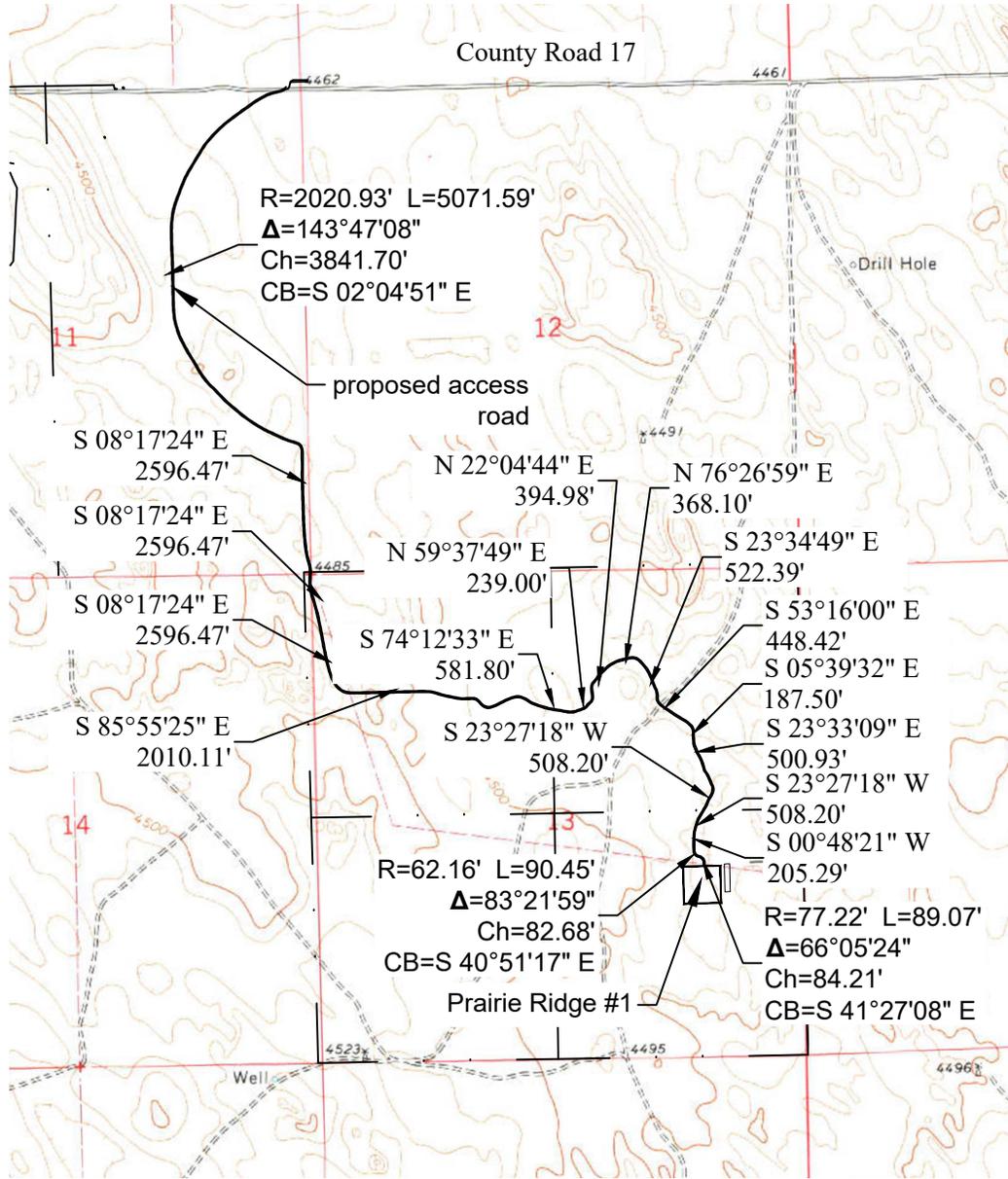
 Emergency Route



Prepared By:
 Ardor Environmental LLC

March 24, 2023

Access Road Map



Legend:

- section line
- WPS
- proposed access road

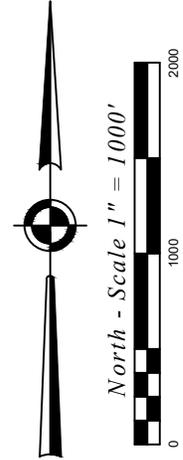
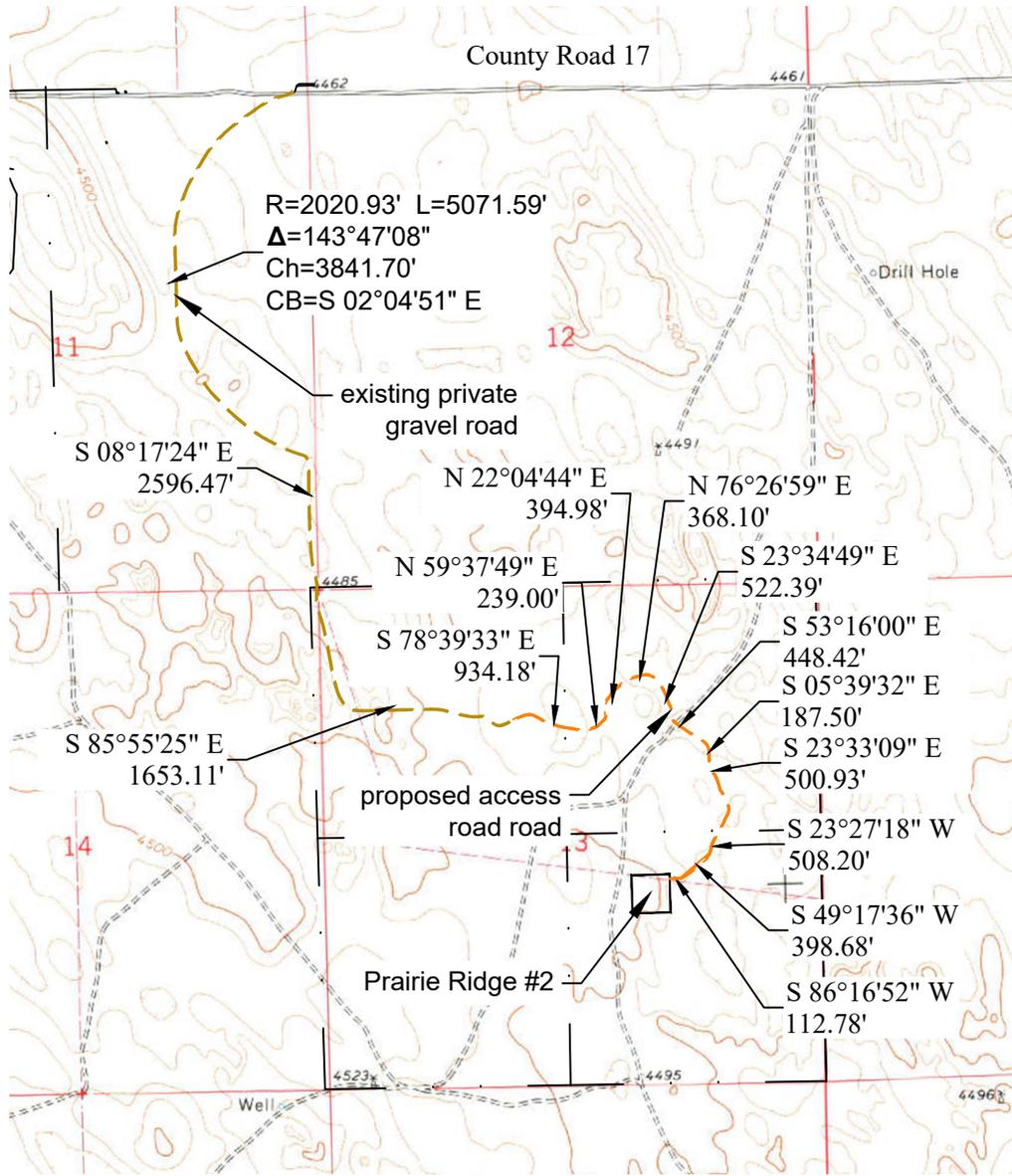
Distance from Proposed Well to nearest :		Direction:
Building:	5280'	N
Residential Building Unit:	5280'	N
High Occupancy Building Unit:	5280'	N
Designated Outside Activity Area:	5280'	N
Public Road:	5280'	N
Aboveground Utility:	5280'	N
Railroad:	5280'	N
Property Line:	1100'	E
School Facility:	5280'	N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

C:\Users\bahor\OneDrive\for Brett\22093\22093_ACC.dwg March 17, 2023 - 10:39am

Well Name: Prairie Ridge #1	Field Date 11.22.2022	Prepared for: St Croix Operating, LLC	Project#: 22093.001
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		

Access Road Map



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

- Legend:**
- section line
 - WPS
 - proposed access road
 - existing private gravel road

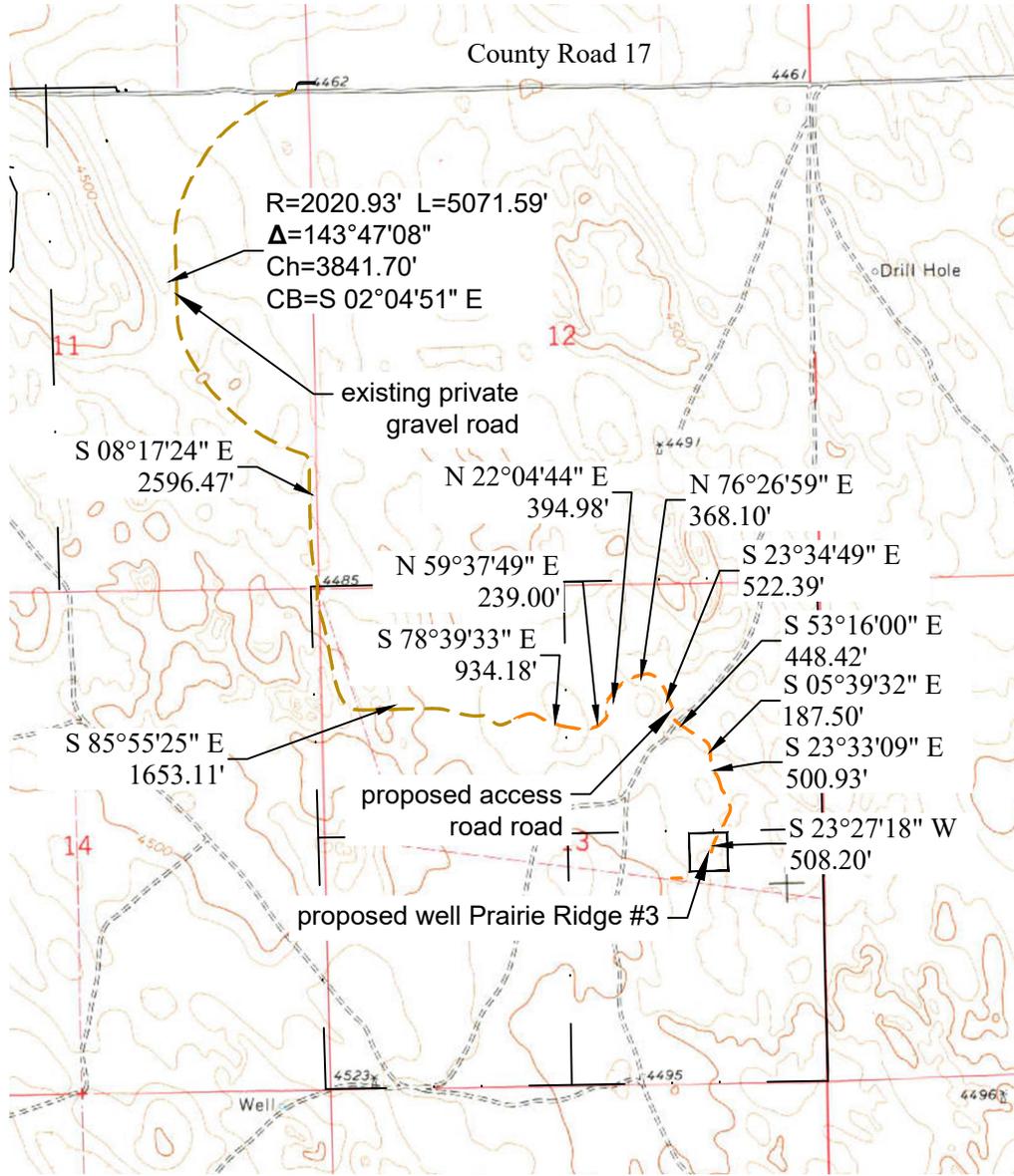
Distance from Proposed Well to nearest :		Direction:
Building:	5280'	N
Building Unit:	5280'	N
High Occupancy Building Unit:	5280'	N
Designated Outside Activity Area:	5280'	N
Public Road:	5280'	N
Aboveground Utility:	5280'	N
Railroad:	5280'	N
Property Line:	1800'	E
School Facility:	5280'	N
School Property 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

C:\Users\bahor\OneDrive\for Brett\22094\22094_ACC.dwg March 29, 2023 - 3:59pm

Well Name: Prairie Ridge #2	Field Date 11.22.2022	Prepared for: St Croix Operating, LLC	Project#: 22094.001
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		

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

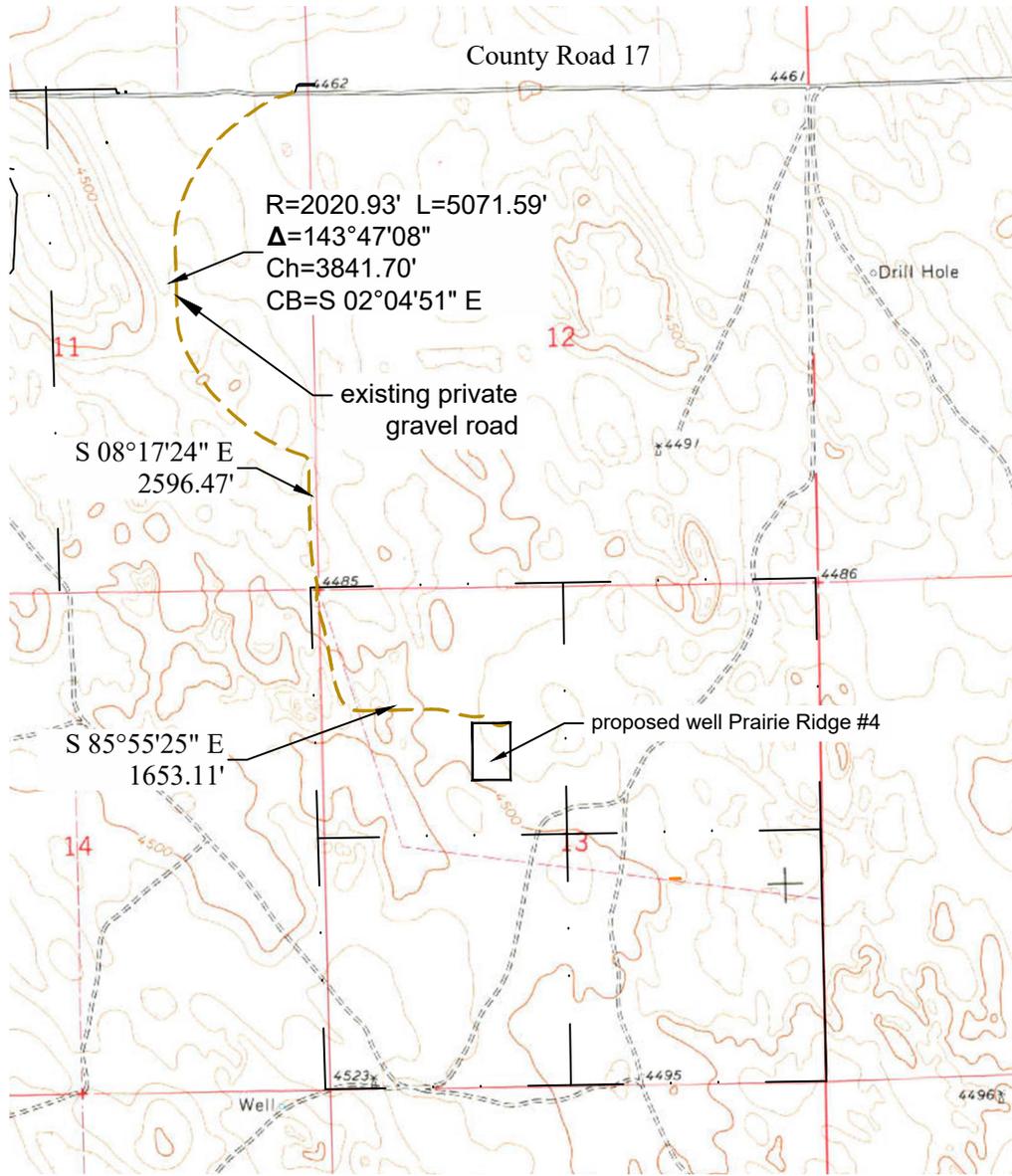
Distance from Proposed Well to nearest :		Direction:
Building:	5280'	N
Residential Building Unit:	5280'	N
High Occupancy Building Unit:	5280'	N
Designated Outside Activity Area:	5280'	N
Public Road:	5280'	N
Aboveground Utility:	5280'	N
Railroad:	5280'	N
Property Line:	1200'	E
School Facility:	5280'	N
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: Prairie Ridge #3	Field Date 11.22.2022	Prepared for: St Croix Operating, LLC	Project#: 22095.001
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		

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
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:	1466' N
School Facility:	5280' N
Disproportionately Impacted Comm:	5280' N
Child Care Center:	5280' N
RBU or HOBV within DI Comm:	5280' N

C:\Users\plscg\OneDrive\for Brett\22096\22096_ACC.dwg March 30, 2023 - 10:17am

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		



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

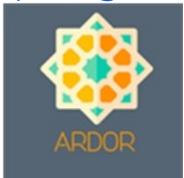
Amanda Petzold <apetzold@ardorenvironmental.com>
To: Bryant McCall <oem@co.washington.co.us>
Cc: Jessica Donahue <jdonahue@ardorenvironmental.com>

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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