

FORM  
2

Rev  
05/22

# 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:

403038457

**(SUBMITTED)**

Date Received:

09/25/2022

## APPLICATION FOR PERMIT TO

Drill  Deepen  Re-enter  Recomplete and Operate

Amend

TYPE OF WELL OIL  GAS  COALBED  OTHER: \_\_\_\_\_

Refile

ZONE TYPE SINGLE ZONE  MULTIPLE ZONES  COMMINGLE ZONES

Sidetrack

Well Name: FEDERAL Well Number: RG 322-13-298  
 Name of Operator: TEP ROCKY MOUNTAIN LLC COGCC Operator Number: 96850  
 Address: 1058 COUNTY ROAD 215  
 City: PARACHUTE State: CO Zip: 81635  
 Contact Name: Jeff Kirtland Phone: (970)263-2736 Fax: ( )  
 Email: jkirtland@terraep.com

## FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

### COGCC Financial Assurance

The Operator has provided or will provide Financial Assurance to the COGCC for this Well.

Surety ID Number (if applicable): \_\_\_\_\_

### Federal Financial Assurance

In checking this box, the Operator certifies that it has provided or will provide at least this amount of Financial Assurance to the federal government for this Well. (Per Rule702.a.)

Amount of Federal Financial Assurance \$ \_\_\_\_\_

## WELL LOCATION INFORMATION

### Surface Location

QtrQtr: Lot 4 Sec: 13 Twp: 2S Rng: 98W Meridian: 6

Footage at Surface: 1096 Feet FNL 905 Feet FWL

Latitude: 39.882167 Longitude: -108.346527

GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 07/21/2022

Ground Elevation: 6618

Field Name: SULPHUR CREEK Field Number: 80090

Well Plan: is  Directional  Horizontal (highly deviated)  Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

### Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 13 Twp: 2S Rng: 98W Footage at TPZ: 2017 FNL 1606 FWL  
Measured Depth of TPZ: 6473 True Vertical Depth of TPZ: 6408 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 13 Twp: 2S Rng: 98W Footage at BPZ: 2017 FNL 1606 FWL  
Measured Depth of BPZ: 11786 True Vertical Depth of BPZ: 11708 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 13 Twp: 2S Rng: 98W Footage at BHL: 2017 FNL 1606 FWL  
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: RIO BLANCO Municipality: N/A

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? No

Per § 34-60-106(1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.

SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(I)(A) C.R.S.

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location? [X] Yes [ ] No

[X] If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: Approved Date of Final Disposition: 04/29/2022

Comments: Rio Blanco County Oil or Gas Well Pad Special Use/Building Permit: COGW-0001-22

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION

Surface Owner of the land at this Well's Oil and Gas Location: [ ] Fee [ ] State [X] Federal [ ] Indian

Mineral Owner beneath this Well's Oil and Gas Location: [ ] Fee [ ] State [X] Federal [ ] Indian

Surface Owner Protection Bond (if applicable): Surety ID Number (if applicable):

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- Fee
- State
- Federal
- Indian
- N/A

**LEASE INFORMATION**

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:

- \* If this Well is within a unit, describe a lease that will be developed by the Well.
  - \* If this Well is not subject to a unit, describe the lease that will be produced by the Well.
- (Attach a Lease Map or Lease Description or Lease if necessary.)

T2S-R97W  
 SEC 18: S2NE4, E2W2, SE4, LOTS 1-4  
 T2S-R98W  
 SEC 12: N2SW4, S2NW4, SW4NE4, NE4NW4, LOTS 17-20  
 SEC 13: LOTS 1-12, SW4  
 SEC 14: E2SE4, LOTS 1, 8  
 SEC 23: E2NE4, N2SE4, SW4NE4  
 SEC 24: N2, N2S2

Total Acres in Described Lease: 2371 Described Mineral Lease is:  Fee  State  Federal  Indian  
 Federal or State Lease # COC0003453

**SAFETY SETBACK INFORMATION**

Distance from Well to nearest:

Building: 5280 Feet  
 Building Unit: 5280 Feet  
 Public Road: 4299 Feet  
 Above Ground Utility: 4274 Feet  
 Railroad: 5280 Feet  
 Property Line: 2418 Feet

**INSTRUCTIONS:**

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

**OBJECTIVE FORMATIONS**

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
WILLIAMS FORK	WMFK	1-229		

Federal or State Unit Name (if appl): \_\_\_\_\_

Unit Number: \_\_\_\_\_

**SUBSURFACE MINERAL SETBACKS**

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? No

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: \_\_\_\_\_ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: \_\_\_\_\_ Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: 2405 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: 381 Feet

**Exception Location**

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. \_\_\_\_\_

**SPACING & FORMATIONS COMMENTS**

\_\_\_\_\_

**DRILLING PROGRAM**

Proposed Total Measured Depth: 11786 Feet

TVD at Proposed Total Measured Depth 11708 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: \_\_\_\_\_ Feet  No well belonging to another operator within 1,500 feet

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 an H2S Drilling Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).

Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? No

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? No

BOP Equipment Type:  Annular Preventor  Double Ram  Rotating Head  None

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

## CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	30	20	X55	78.67	0	80	230	80	0
SURF	17+1/2	13+3/8	J55	54.5	0	1340	438	1340	0
1ST	12+1/4	9+5/8	J55	36	0	3069	155	3069	2063
2ND	8+3/4	4+1/2	P110	11.6	0	11786	988	11786	6273

Conductor Casing is NOT planned

## POTENTIAL FLOW AND CONFINING FORMATIONS

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	Uinta	30	30	885	880	501-1000	Produced Water Sample	
Groundwater	GRRV	885	880	1037	1030	501-1000	Produced Water Sample	
Subsurface Hazard	GRRV GROOVE A	1037	1030	1229	1220			
Subsurface Hazard	GRRV GROOVE B	1229	1220	1542	1530			
Subsurface Hazard	GRRV DISSOLUTION SURF	1542	1530	2280	2260			Potential Loss Zone
Confining Layer	GARDEN GULCH	2280	2260	2482	2460			
Confining Layer	ORANGE MARKER	2482	2460	2563	2540			
Confining Layer	UPPER WASATCH	2563	2540	4747	4700			
Hydrocarbon	G SAND	4747	4700	5166	5115			Potential Loss Zone/Non-Productive Zone
Hydrocarbon	FT UNION	5166	5115	5960	5900			
Confining Layer	L WASATCH	5960	5900	6473	6408			
Hydrocarbon	OHIO CREEK	6473	6408	7201	7128			
Hydrocarbon	UPPER MESAVERDE	7201	7128	8006	7928			
Hydrocarbon	TOP GAS	8006	7928	9576	9498			
Hydrocarbon	CAMEO	9576	9498	10306	10228			
Hydrocarbon	ROLLINS	10306	10228	10456	10378			
Hydrocarbon	COZZETTE	10456	10378	10781	10703			
Hydrocarbon	CORCORAN	10781	10703	11041	10963			
Hydrocarbon	UPPER SEGO	11041	10963	11286	11208			
Hydrocarbon	LOWER SEGO	11286	11208	11786	11708			

## OPERATOR COMMENTS AND SUBMITTAL

Comments: Nearest permitted or completed well in same formation: Federal RG 22-13-298 (Doc #403038462).  
OGDP Application (Docket #220500097) and Form 2A (Doc #402932455) approved on 09/21/2022.

This application is in a Comprehensive Area Plan       No       CAP #:                       
 Oil and Gas Development Plan Name       Ryan Gulch Phase 2       OGDP ID#:       482485        
 Location ID:       482958      

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



**Public Comments**

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

