

FORM  
2

Rev  
05/22

# State of Colorado

## Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403685243

Date Received:

03/06/2024

### APPLICATION FOR PERMIT TO

Drill  Deepen  Re-enter  Recomplete and Operate

Amend

TYPE OF WELL OIL  GAS  COALBED  OTHER: Injection Well

Refile

ZONE TYPE SINGLE ZONE  MULTIPLE ZONES  COMMINGLE ZONES

Sidetrack

Well Name: Federal RG Well Number: 921-24-299D  
 Name of Operator: TEP ROCKY MOUNTAIN LLC ECMC Operator Number: 96850  
 Address: 1058 COUNTY ROAD 215  
 City: PARACHUTE State: CO Zip: 81635  
 Contact Name: MELISSA LUKE Phone: (970)263-2721 Fax: ( )  
 Email: MLUKE@TERRAEP.COM

### FINANCIAL ASSURANCE FOR PLUGGING, ABANDONMENT, AND RECLAMATION

#### ECMC Financial Assurance

The Operator has provided or will provide Financial Assurance to the ECMC 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 \$ 655000

### WELL LOCATION INFORMATION

#### Surface Location

QtrQtr: SENW Sec: 24 Twp: 2S Rng: 99W Meridian: 6

Footage at Surface: 2290 Feet FNL 2305 Feet FWL

Latitude: 39.862712 Longitude: -108.454147

GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 08/24/2022

Ground Elevation: 7090

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: 24 Twp: 2S Rng: 99W Footage at TPZ: 1312 FNL 2642 FWL

Measured Depth of TPZ: 5204 True Vertical Depth of TPZ: 5100 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 24 Twp: 2S Rng: 99W Footage at BPZ: 1312 FNL 2642 FWL  
Measured Depth of BPZ: 9246 True Vertical Depth of BPZ: 9140 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 24 Twp: 2S Rng: 99W Footage at BHL: 1312 FNL 2642 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: 03/11/2024

Comments: The Rio Blanco County Special Use/Building Permit SUBP-0002-24 was approved on 3/11/2024.

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
- [X] 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.)

PLEASE SEE ATTACHED LEASE MAP  
 No mineral estate will be developed by this proposed injection well.

Total Acres in Described Lease: 1280 Described Mineral Lease is:  Fee  State  Federal  Indian  
 Federal or State Lease # COC064201

**SAFETY SETBACK INFORMATION**

Distance from Well to nearest:

Building: 5280 Feet  
 Building Unit: 5280 Feet  
 Public Road: 481 Feet  
 Above Ground Utility: 2024 Feet  
 Railroad: 5280 Feet  
 Property Line: 3041 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.)
ILES	ILES			
WILLIAMS FORK	WMFK			

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: 1312 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: 2985 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: 9246 Feet

TVD at Proposed Total Measured Depth 9140 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 H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If yes, attach an H<sub>2</sub>S 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: \_\_\_\_\_



Based on the information provided herein, this Application for Permit-to-Drill complies with ECMC Rules, applicable orders, and SB 19-181 and is hereby approved.

ECMC Approved:  Director of ECMC Date: 5/8/2024

Expiration Date: 02/06/2027

<b>API NUMBER</b> 05 103 12674 00
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**CONDITIONS OF APPROVAL, IF ANY LIST**

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

<u>COA Type</u>	<u>Description</u>
Planning	Pursuant to Rule 702.b.(2), the approval of this Application for Permit to Drill constitutes a "change in circumstance" to the approved Financial Assurance Plan. The Operator must file a revised Form 3, Financial Assurance Plan, within 10 days of this approval.
Construction	If conductors are preset, operator shall comply with Notice to Operators: Procedures for Preset Conductors (dated September 1, 2016).
Drilling/Completion Operations	Operator will log one (1) additional wells during the first rig occupation with open-hole resistivity log with gamma-ray log from the kick-off point into the surface casing for the stratigraphically deepest wells for a total of two wells logged.
Interim Reclamation	Operator shall comply with Notice to Operators: Interim Reclamation Procedures for Delayed Operations (dated January 5, 2017).
Drilling/Completion Operations	Rule 803.h.(2): Operator shall run openhole resistivity and neutron/density Logs from the bottom of the surface casing to total depth of the Well
Drilling/Completion Operations	1) Operator shall comply with the most current revision of the Northwest Colorado Notification Policy. See attached notice.  2) Operator shall provide cement coverage from the production casing shoe (4+1/2" SECOND STRING) to a minimum of 200' above all Mesa Verde Group (and Ohio Creek Formation, if present) oil, gas, and water-bearing sandstone and coalbed formations. Verify production casing cement coverage with cement bond log.
6 COAs	

**Best Management Practices**

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	Logging Program: The Well will be logged with open-hole resistivity, neutron/density, and gamma-ray Logs from TD into the surface casing. A cement bond Log will be run on production casing/liner and on intermediate casing if production liner is run.

Total: 1 comment(s)

**ATTACHMENT LIST**

<b>Att Doc Num</b>	<b>Name</b>
2473387	LEASE MAP
403685243	FORM 2 SUBMITTED
403686712	WELL LOCATION PLAT
403686714	DIRECTIONAL DATA
403686715	DEVIATED DRILLING PLAN
403693350	OffsetWellEvaluations Data

Total Attach: 6 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Final Review Completed.	04/11/2024
UIC	Emailed operator regarding BMP. Operator response. Feedback received, "It appears that there is a COA in the DRAFT Form 2 that directs the logging requirements: For consistency the Logging BMP can state the same." Updated BMP as per email.	04/10/2024
Permit	Requested and attached lease map. Passed Permitting review. Modified logging COA to state "first rig occupation"	04/09/2024
Engineer	Offset water well check: There are no permitted water wells within one mile of this proposed surface hole location.  Offset Well Evaluation: There are no existing offset oil and gas wells within 1,500 feet of this wellbore.  APD for disposal well	04/04/2024
OGLA	The Commission approved OGDG #485406 on February 7, 2024 for the Oil and Gas Location related to this Form 2. OGLA task passed.	03/06/2024

Total: 5 comment(s)