

FORM  
2  
Rev  
12/20

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:

402579599

(SUBMITTED)

Date Received:

09/01/2021

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: WMC 431-20  
Name of Operator: TEP ROCKY MOUNTAIN LLC COGCC Operator Number: 96850  
Address: PO BOX 370  
City: PARACHUTE State: CO Zip: 81635  
Contact Name: Vicki Schoeber Phone: (970)263-2721 Fax: ( )  
Email: vschoeber@terraep.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: \_\_\_\_\_

WELL LOCATION INFORMATION

Surface Location

QtrQtr: SESW Sec: 17 Twp: 7S Rng: 93W Meridian: 6  
Footage at Surface: 240 Feet FSL 1837 Feet FWL  
Latitude: 39.439051 Longitude: -107.799425  
GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: PDOP Date of Measurement: 07/28/2020  
Ground Elevation: 8869  
Field Name: RULISON Field Number: 75400

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: 20 Twp: 7S Rng: 93W Footage at TPZ: 724 FNL 1948 FEL  
Measured Depth of TPZ: 7587 True Vertical Depth of TPZ: 7312 FNL/FSL FEL/FWL  
Base of Productive Zone (BPZ)  
Sec: 20 Twp: 7S Rng: 93W Footage at BPZ: 724 FNL 1948 FEL  
Measured Depth of BPZ: 11107 True Vertical Depth of BPZ: 10832 FNL/FSL FEL/FWL  
Bottom Hole Location (BHL)  
Sec: 20 Twp: 7S Rng: 93W Footage at BHL: 724 FNL 1948 FEL  
FNL/FSL FEL/FWL

## LOCAL GOVERNMENT PERMITTING INFORMATION

County: GARFIELD

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?  Yes  No

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: \_\_\_\_\_ Date of Final Disposition: \_\_\_\_\_

Comments: TEP Rocky Mountain LLC contacted Garfield County, the local government with jurisdiction over the siting of this proposed oil and gas location on April 20, 2021, and determined that no county permit is required for these wells and therefore per the Garfield County Land Use and Development Code, Table 3-403, "Oil and Gas Drilling and Production" and "Hydraulic Fracturing, Remote Surface Locations" are a use-by-right or exempt from Land Use Regulation, if the application does not trigger an Alternative Location Analysis.

## 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  Federal  Indian

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

Surface Owner Protection Financial Assurance (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.)

T7S-R93W

Sec 19: Lots 5, 6, 9-12, 17, 18

Sec 20: N2, W2SW4, N2SE4, SW4SE4

Sec 29: Lots 4, 9, 12

Sec 30: S2NE4, NE4SE4, Lots 5, 6, 12

Total Acres in Described Lease: 1161 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # COC075070

### SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 4440 Feet  
 Building Unit: 5280 Feet  
 Public Road: 5280 Feet  
 Above Ground Utility: 5280 Feet  
 Railroad: 5280 Feet  
 Property Line: 240 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: 724 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: 335 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: 11257 Feet

TVD at Proposed Total Measured Depth 10982 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: 1264 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: \_\_\_\_\_

## 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             | X-65  | 78.67 | 0             | 84            | 199       | 84      | 0       |
| SURF        | 13+1/2       | 9+5/8          | J-55  | 36    | 0             | 1100          | 285       | 1100    | 0       |
| 1ST         | 8+3/4        | 4+1/2          | P-110 | 11.6  | 0             | 11257         | 1017      | 11257   | 6627    |

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     | Green River       | 0        | 0          | 915         | 900           | 501-1000   | Other            | Surface Water/Rose Stream Sample |
| Confining Layer | U. Wasatch        | 915      | 900        | 5105        | 4842          |            |                  |                                  |
| Hydrocarbon     | Wasatch G         | 5105     | 4842       | 6775        | 6500          |            |                  | Non-Productive Zone              |
| Confining Layer | Ft Union          | 6775     | 6500       | 7127        | 6852          |            |                  |                                  |
| Groundwater     | L. Wasatch        | 7127     | 6852       | 7587        | 7312          | >10000     | Field Scout Card |                                  |
| Hydrocarbon     | Mesaverde         | 7587     | 7312       | 9107        | 8832          |            |                  |                                  |
| Hydrocarbon     | Top Gas           | 9107     | 8832       | 10337       | 10062         |            |                  |                                  |
| Hydrocarbon     | Cameo             | 10337    | 10062      | 11107       | 10832         |            |                  |                                  |
| Hydrocarbon     | Rollins           | 11107    | 10832      | 11257       | 10982         |            |                  |                                  |

## OPERATOR COMMENTS AND SUBMITTAL

Comments

The MCU Fee 17-16C (M16W) well (05-045-20684) was used for the distance from proposed wellbore to the nearest existing/permitted wellbore belonging to another operator. This distance was measured in plan view.

Nearest offset well producing from the same lease and permitted or completed in the same formation: FEDERAL WMC 531-20 (Doc #402579595)

OGDP application (Docket #210500082) and Form 2A (Doc #402578943) approved on 9/1/2021.

This application is in a Comprehensive Area Plan No CAP #: \_\_\_\_\_

Oil and Gas Development Plan Name FEDERAL WMC 24-17 OGDP ID#: 480230

Location ID: 480732

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

Signed: \_\_\_\_\_ Print Name: Vicki Schoeber

Title: Regulatory Specialist Date: 9/1/2021 Email: vschoeber@terraep.com

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

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

API NUMBER

05

### Conditions Of Approval

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.

**COA Type**                      **Description**

### Best Management Practices

**No BMP/COA Type**                      **Description**

|   |                                |   |
|---|--------------------------------|---|
| 1 | Drilling/Completion Operations | Alternative Logging Program: One of the first wells drilled on this pad will be logged with an open-hole resistivity log with gamma-ray, from TD into the surface casing. All wells on the pad will have a cement bond log (CBL) with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs will state "Alternative Logging Program - No open-hole logs were run" and will clearly identify the type of log and the well (by API#) in which open-hole logs were run. |
|---|--------------------------------|---|

Total: 1 comment(s)

### Attachment List

**Att Doc Num**                      **Name**

|           |                            |
|-----------|----------------------------|
| 402583690 | WELL LOCATION PLAT         |
| 402583692 | DIRECTIONAL DATA           |
| 402583694 | DEVIATED DRILLING PLAN     |
| 402773056 | OffsetWellEvaluations Data |

Total Attach: 4 Files

### General Comments

**User Group**                      **Comment**

**Comment Date**

|  |  |                     |
|--|--|---------------------|
|  |  | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)

**Public Comments**

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

