

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:

403664167

Date Received:

02/26/2024

## 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: CHEVRON Well Number: TR 13-28-597  
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): 20160057

#### 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: SWNE Sec: 28 Twp: 5S Rng: 97W Meridian: 6

Footage at Surface: 1793 Feet FNL 2365 Feet FEL

Latitude: 39.586989 Longitude: -108.282041

GPS Data: GPS Quality Value: 2.5 Type of GPS Quality Value: PDOP Date of Measurement: 09/12/2014

Ground Elevation: 8482

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: 28 Twp: 5S Rng: 97W Footage at TPZ: 2328 FSL 660 FWL

Measured Depth of TPZ: 6941 True Vertical Depth of TPZ: 6377 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 28 Twp: 5S Rng: 97W Footage at BPZ: 2328 FSL 660 FWL  
Measured Depth of BPZ: 9915 True Vertical Depth of BPZ: 9351 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 28 Twp: 5S Rng: 97W Footage at BHL: 2328 FSL 660 FWL  
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:

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 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.)

SEE ATTACHED LEASE MAP

Total Acres in Described Lease: 20658 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease #

**SAFETY SETBACK INFORMATION**

Distance from Well to nearest:

Building: 5280 Feet  
 Building Unit: 5280 Feet  
 Public Road: 5280 Feet  
 Above Ground Utility: 5280 Feet  
 Railroad: 5280 Feet  
 Property Line: 886 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	1-229		
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: 7940 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: 310 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: 9915 Feet TVD at Proposed Total Measured Depth 9351 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 feetWill a closed-loop drilling system be used? YesIs 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? NoWill salt sections be encountered during drilling? NoWill salt based (>15,000 ppm Cl) drilling fluids be used? NoWill oil based drilling fluids be used? NoBOP Equipment Type:  Annular Preventor  Double Ram  Rotating Head  NoneBeneficial reuse or land application plan submitted? No

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

**CASING PROGRAM**

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	30	20	X65	78.67	0	80	134	80	0
SURF	13+1/2	9+5/8	J55	36.0	0	3186	761	3186	0
1ST	8+3/4	4+1/2	P110	11.6	0	9915	913	9915	4433

 Conductor Casing is NOT planned**POTENTIAL FLOW AND CONFINING FORMATIONS**

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	GREEN RIVER	0	0	2791	2558	1001-10000	Other	Nearby depth to water and TDS data sources
Confining Layer	UPPER WASATCH	2791	2558	4633	4192			
Hydrocarbon	G SAND	4633	4192	4835	4371			
Hydrocarbon	FORT UNION	4835	4371	6040	5484			
Hydrocarbon	OHIO CREEK	6040	5484	6638	6074			
Hydrocarbon	UPPER MESAVERDE	6638	6074	6941	6377			
Hydrocarbon	TOP GAS	6941	6377	8764	8200			
Hydrocarbon	CAMEO	8764	8200	9034	8470			
Hydrocarbon	ROLLINS	9034	8470	9221	8657			
Hydrocarbon	COZZETTE	9221	8657	9449	8885			
Hydrocarbon	CORCORAN	9449	8885	9599	9035			
Hydrocarbon	SEGO	9599	9035	9915	9351			

**OPERATOR COMMENTS AND SUBMITTAL**

Comments Nearest offset well producing from the same lease and permitted or completed in the same formation: Chevron TR 612-28-597 (Doc ID#403664557)

OGDP application (Docket# 230500188) was approved on 01/03/2024. Form 2A (Doc# 403369764) was approved on 01/17/2024.

This application is in a Comprehensive Area Plan \_\_\_\_\_ No \_\_\_\_\_ CAP #: \_\_\_\_\_  
Oil and Gas Development Plan Name TR 32-28-597 OGD ID#: 485288

Location ID: 324040

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

Signed: \_\_\_\_\_ Print Name: MELISSA LUKE

Title: REGULATORY SPECIALIST Date: 2/26/2024 Email: mluke@terraep.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 5/10/2024

Expiration Date: 01/09/2027

<b>API NUMBER</b> 05 045 23566 00
--------------------------------------

## 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>
Drilling/Completion Operations	<p>1.Operator shall comply with the most current revision of the Northwest Notification Policy.</p> <p>2.Operator shall comply with the most current revision of the Garfield County Rulison Field Notice to Operators, with the following exception: All field notice requirements specified in that Notice to Operators are superseded by the requirements of the most current revision of the Northwest Colorado Notification Policy (see Condition of Approval #1).</p> <p>3.Operator shall provide cement coverage from the production casing shoe (4+1/2" FIRST STRING) to a minimum of 200' above all Mesaverde Group (and Ohio Creek Formation, if present) oil, gas, and water-bearing sandstone and coalbed formations. Verify production casing cement coverage with a cement bond log.</p>
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 two (2) additional wells during the second 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 three wells logged.
Interim Reclamation	Operator shall comply with Notice to Operators: Interim Reclamation Procedures for Delayed Operations (dated January 5, 2017).
4 COAs	

## Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
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

<u>Att Doc Num</u>	<u>Name</u>
403664167	FORM 2 SUBMITTED
403664225	WELL LOCATION PLAT
403664227	DEVIATED DRILLING PLAN
403664229	DIRECTIONAL DATA
403664876	OffsetWellEvaluations Data

403665031	LEASE MAP
403747993	OffsetWellEvaluations Data
403786247	OFFSET WELL EVALUATION

Total Attach: 8 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final Review Completed.	04/11/2024
Engineer	<p>Changed casing setting depth to match attached drilling plan and cement bottom depth</p> <p>Offset water well check: There are no permitted water wells within one mile of this proposed surface hole location.</p> <p>Offset Well Evaluation: Existing offset oil and gas wells within 1,500 feet of this wellbore meet standards. No mitigation required.</p> <p>There is no offset Wasatch G production within 1 mile</p> <p>Uploaded new version of offset well review with additional wells added</p>	04/09/2024
Permit	Passed Permitting review	02/27/2024
Engineer	Sent back to draft on 2/22/2024 to correct the API number and/or the refile status. The API submitted on the form does not match the well name. Area engineer contacted Operator about making the correction.	02/22/2024
OGLA	The Commission approved OGDG #485288 on January 10, 2024 for the Oil and Gas Location related to this Form 2. OGLA task passed.	02/01/2024

Total: 5 comment(s)