

FORM
2

Rev
05/22

State of Colorado Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403038525

(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 34-11-298
 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: 1050 Feet FNL 897 Feet FWL

Latitude: 39.882294 Longitude: -108.346528

GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 07/21/2021

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: 11 Twp: 2S Rng: 98W Footage at TPZ: 1091 FSL 1976 FEL
Measured Depth of TPZ: 7187 True Vertical Depth of TPZ: 6388 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 11 Twp: 2S Rng: 98W Footage at BPZ: 1091 FSL 1976 FEL

Measured Depth of BPZ: 12530 True Vertical Depth of BPZ: 11688 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 11 Twp: 2S Rng: 98W Footage at BHL: 1091 FSL 1976 FEL

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
[X] 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-R98W
Sec 09: N2NE, NW
Sec 10: LOT 1-8; S2S2
Sec 11: N2, S2S2, NESE

Total Acres in Described Lease: 1221 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # COC060740

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet
Public Road: 4256 Feet
Above Ground Utility: 4228 Feet
Railroad: 5280 Feet
Property Line: 2372 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: 207 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: 394 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: 12530 Feet

TVD at Proposed Total Measured Depth 11688 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	1369	447	1369	0
1ST	12+1/4	9+5/8	J55	36.0	0	3337	165	3337	2260
2ND	8+3/4	4+1/2	P110	11.6	0	12530	993	12530	6987

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	889	880	501-1000	Produced Water Sample	
Groundwater	GRRV	889	880	1046	1030	501-1000	Produced Water Sample	
Subsurface Hazard	GRRV A GROOVE	1046	1030	1249	1220			
Subsurface Hazard	GRRV B GROOVE	1249	1220	1591	1530			
Subsurface Hazard	GRRV DISSOLUTION SURF	1594	1530	2437	2260			Potential Loss Zone
Confining Layer	GARDEN GULCH	2437	2260	2667	2460			
Confining Layer	ORANGE MARKER	2667	2460	2760	2540			
Confining Layer	UPPER WASATCH	2760	2540	5252	4700			
Hydrocarbon	G SAND	5252	4700	5731	5115			Potential Loss Zone/Non-Productive Zone
Hydrocarbon	FT UNION	5731	5115	6637	5900			
Confining Layer	LOWER WASATCH	6637	5900	7187	6388			
Hydrocarbon	OHIO CREEK	7187	6388	7944	7108			
Hydrocarbon	UPPER MESAVERDE	7944	7108	8750	7908			
Hydrocarbon	TOP GAS	8750	7908	10320	9478			
Hydrocarbon	CAMEO	10320	9478	11050	10208			
Hydrocarbon	ROLLINS	11050	10208	11200	10358			
Hydrocarbon	COZZETTE	11200	10358	11525	10683			
Hydrocarbon	CORCORAN	11525	10683	11785	10943			
Hydrocarbon	UPPER SEGO	11785	10943	12030	11188			
Hydrocarbon	LOWER SEGO	12030	11188	12530	11688			

OPERATOR COMMENTS AND SUBMITTAL

Comments: Nearest permitted or completed well in same formation: Federal RG 334-11-298 (Doc #403038519).
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.

