

FORM
2
Rev
10/24

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:

404381651

(SUBMITTED)

Date Received:

11/03/2025

APPLICATION FOR PERMIT TO

Drill Deepen Re-enter Recomplete and Operate Amend

TYPE OF WELL OIL GAS COALBE GEOTHERMAL OTHER: _____ Refile
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack

Well Name: Outpost 33-8-23 Well Number: 1
Name of Operator: CATAMOUNT ENERGY PARTNERS LLC ECMC Operator Number: 10464
Address: 600 17TH STREET STE 1400S
City: DENVER State: CO Zip: 80202
Contact Name: Nolan Redmond Phone: (720)484-2347 Fax: ()
Email: nredmond@catamountep.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): 20240153

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: NENE Sec: 26 Twp: 33N Rng: 8W Meridian: N
Footage at Surface: 837 Feet FNL 945 Feet FEL
Latitude: 37.079980 Longitude: -107.680770
GPS Data: GPS Quality Value: 1.8 Type of GPS Quality Value: PDOP Date of Measurement: 10/31/2024
Ground Elevation: 6579
Field Name: IGNACIO BLANCO Field Number: 38300

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: 23 Twp: 33N Rng: 8W Footage at TPZ: 652 FSL 300 FEL
Measured Depth of TPZ: 7528 True Vertical Depth of TPZ: 6883 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 22 Twp: 33N Rng: 8W Footage at BPZ: 654 FSL 300 FWL
Measured Depth of BPZ: 17490 True Vertical Depth of BPZ: 6883 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 22 Twp: 33N Rng: 8W Footage at BHL: 652 FSL 150 FWL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: LA PLATA 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 and §37-90.5-107(2)(b)(I) C.R.S, the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas or Deep Geothermal Locations.

The Energy and Carbon Management Act and the Geothermal Resources Act provide 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.

Does the Relevant Local Government regulate the siting of Oil and Gas and Deep Geothermal 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: In Process Date of Final Disposition: 04/03/2025

Comments: Permit is currently in process

GEOTHERMAL

Well Overview

The following questions determine informational requirements based on Well type:

Which type of Geothermal Well is this? Select one of the following:

Will this well be constructed using cementing methodologies other than those listed in Rule 408.f?

If Yes, what method will be used:

Please describe the cementing method to be used in detail:

Geothermal Resource Units

Fill out the information below to submit an application for a Geothermal Resource Unit (GRU) as part of the current permit application. This may also be completed later using a Form 4 Sundry.

Will this Well be in an existing GRU?

Are you submitting your application for a new GRU as part of the current application?

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

Surface Owner of the land at this Well's Oil and Gas Or Deep Geothermal Location: Fee State Federal Indian

Mineral Owner beneath this Well's Oil and Gas Or Deep Geothermal 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.)

E2 NE4 S26 & W2 NW/4 S25, T33N R8W

Total Acres in Described Lease: 160

Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 1840 Feet
Building Unit: 1931 Feet
Public Road: 5280 Feet
Above Ground Utility: 1336 Feet
Railroad: 5280 Feet
Property Line: 368 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.)
MANCOS	MNCS	112-309	2560	S23, S22, S26, S27 T33N R8W

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? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 300 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: _____ 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: _____ 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: 17698 Feet

TVD at Proposed Total Measured Depth 6883 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: 257 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? Yes

BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

Beneficial reuse or land application plan submitted? _____

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
SURF	17+1/2	13+3/8	J55	54.5	0	700	865	700	0
1ST	12+1/4	9+5/8	L80	40	0	6623	570	6623	5200
S.C. 1.1	12+1/2	9+5/8	L80	40	0	5200	962	5200	2800
S.C. 1.2	12+1/2	9+5/8	L80	40	0	2800	1122	2800	0
2ND	8+1/2	5+1/2	HCP-110	20	0	17698	1350	17698	4814

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	San Jose	0	0	1507	1470	0-500	USGS	
Groundwater	Ojo Alamo	1507	1470	1779	1718	501-1000	USGS	WRI 4188
Confining Layer	Kirtland	1779	1718	2930	2768	1001-10000	USGS	WRS 95-4190
Hydrocarbon	Fruitland	2930	2768	2990	2823	1001-10000	USGS	WRI 4188
Hydrocarbon	Fruitland Coal	2990	2823	3210	3024	1001-10000	USGS	WRI 4188
Hydrocarbon	Pictured Cliffs	3210	3024	3498	3287	1001-10000	USGS	WRI 4188
Confining Layer	Lewis	3498	3287	4886	4553	0-500	USGS	WRI 4188
Hydrocarbon	Chacra	4886	4553	5281	4918	1001-10000	USGS	WRI 4188
Hydrocarbon	Cliffhouse	5281	4918	5745	5373	1001-10000	USGS	WRI 4188
Confining Layer	Menefee	5745	5373	5905	5533	1001-10000	USGS	WRI 4188
Hydrocarbon	Point Lookout	6295	5533	6295	5975	1001-10000	USGS	WRS 95-4190
Confining Layer	Mancos	6347	5975	7225	6773	1001-10000	USGS	WRS 95-4190
Hydrocarbon	Middle Mancos	7225	6773	17698	6883	1001-10000	USGS	WRS 95-4190

OPERATOR COMMENTS AND SUBMITTAL

Comments

This application is in a Comprehensive Area Plan _____ No _____ CAP #: _____
 Oil and Gas Development Plan Name Outpost 33-8 OGDID #: 491115
 Location ID: 311991
 I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Signed: _____ Print Name: Nolan Redmond
 Title: Geo/Eng Tech Date: 11/3/2025 Email: nredmond@catamountep.com

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: _____
 Expiration Date: _____

API NUMBER
05

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>
0 COA	

Operator Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	One of the initial wells Mancos Wells on the wellpad will be logged with an OH gamma-ray and resistivity from the base of the intermediate string to the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. 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>
404393743	DIRECTIONAL DATA
404394673	WELLBORE DIAGRAM
404394676	DEVIATED DRILLING PLAN
404394790	OffsetWellEvaluations Data
404394793	OffsetWellEvaluations Data
404394794	OffsetWellEvaluations Data

404394797	OffsetWellEvaluations Data
404394812	OffsetWellEvaluations Data
404415865	WELL LOCATION PLAT

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Note to ECMC permitting: Add COA for BHL beyond unit setback.	10/28/2025

Total: 1 comment(s)

