

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:

404467361

(SUBMITTED)

Date Received:

05/29/2026

APPLICATION FOR PERMIT TO

Drill Deepen Re-enter Recomplete and Operate Amend

TYPE OF WELL OIL GAS COALBED GEOTHERMAL GEOLOGIC STORAGE

OTHER: _____

Refile

Sidetrack

TYPE OF GEOLOGIC STORAGE WELL SCIENCE MONITORING

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Well Name: Judy Well Number: 3-10-8N

Please describe the reason for the scientific well and its potential future use:

Name of Operator: DUNAMIS ENERGY OPERATING LLC ECMC Operator Number: 10848

Address: 999 18TH STREET SUITE 2301N

City: DENVER State: CO Zip: 80202

Contact Name: Erin Mathews Phone: (970)302-6171 Fax: ()

Email: erinm@dunamis-energy.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): 20250125

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: SWSW Sec: 34 Twp: 1N Rng: 65W Meridian: 6

Footage at Surface: 695 Feet FSL 925 Feet FWL

Latitude: 40.002457 Longitude: -104.656250

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 04/14/2026

Ground Elevation: 5135

Field Name: WATTENBERG Field Number: 90750

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: 3 Twp: 1S Rng: 65W Footage at TPZ: 350 FNL 650 FEL
Measured Depth of TPZ: 8540 True Vertical Depth of TPZ: 7252 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 10 Twp: 1S Rng: 65W Footage at BPZ: 600 FSL 650 FEL
Measured Depth of BPZ: 17990 True Vertical Depth of BPZ: 7256 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 10 Twp: 1S Rng: 65W Footage at BHL: 600 FSL 650 FEL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: WELD 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.? Yes

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: Approved Date of Final Disposition: 03/19/2018

Comments: WOGLA 18-0002 was approved on March 19, 2018.

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.)

T1S R65W Sec. 3: N/2

Total Acres in Described Lease: 286

Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 876 Feet
Building Unit: 750 Feet
Public Road: 754 Feet
Above Ground Utility: 1097 Feet
Railroad: 5280 Feet
Property Line: 328 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.)
NIOBRARA	NBRR	407-3338	1280	T1S-R65W Sec 3 & 10: All

Federal or State Unit Name (if appl): _____

Unit Number: _____

Enter 5280 for distance greater than 1 mile.

SUBSURFACE MINERAL SETBACKS

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 350 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: 580 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 PROGRAMProposed Total Measured Depth: 17990 Feet TVD at Proposed Total Measured Depth 7256 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: 149 Feet No well belonging to another operator within 1,500 feetWill a closed-loop drilling system be used? YesIs 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? 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? YesBOP Equipment Type: Annular Preventor Double Ram Rotating Head NoneBeneficial 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	24	16	A252	36.9	0	80	50	80	0
SURF	12+1/4	8+5/8	J55	32	0	2500	641	2500	0
1ST	7+7/8	5+1/2	HCP110	20	0	17958	2042	17958	

 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	Upper Arapahoe	159	159	440	439	501-1000	USGS	
Groundwater	Lower Arapahoe	440	439	1083	1064	501-1000	DWR	
Groundwater	Laramie-Fox Hills	1083	1064	1359	1319	501-1000	DWR	
Groundwater	Upper Pierre	1359	1319	2480	2290	1001-10000	DWR	Upper Pierre Aquifer Water Quality Study, Project #2141
Confining Layer	Pierre Shale	2480	2290	5291	4711			
Confining Layer	Terry Sandstone	5291	4711	6108	5415			
Confining Layer	Hygiene Sandstone	6108	5415	6553	5798			
Confining Layer	Pierre Shale	6553	5798	8091	7092			
Subsurface Hazard	Sharon Springs Shale	8091	7092	8572	7256			
Hydrocarbon	Niobrara	8572	7256	17990	7256			

OPERATOR COMMENTS AND SUBMITTAL

Comments

Operator Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	Operator will log One (1) additional well with open-hole resistivity log with gamma-ray log from the kick-off point into the surface casing for the stratigraphically deepest well in the North to South orientation of the pad for a total of two (2) wells logged during the second rig occupation of this location.

Total: 1 comment(s)

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
404677124	OffsetWellEvaluations Data
404677325	OffsetWellEvaluations Data
404677333	WELL LOCATION PLAT
404677339	DEVIATED DRILLING PLAN
404677344	DIRECTIONAL DATA

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	<p>RETURNED TO DRAFT: This application has been reviewed by CECMC staff and cannot be approved based on the information submitted; therefore, the CECMC is returning this form to DRAFT for the applicant to resolve the issues. In compliance with § 24-65.1-108(1), C.R.S., the CECMC is returning this application to the applicant to remedy the deficiencies. The applicant may resubmit this application for CECMC review; upon resubmittal of any application, the CECMC will have 60 days in which to approve, deny, or request all additional information necessary to complete the regulatory review.</p> <p>Judy 3-10-8N Doc ID: 404467361</p> <p>In addition to all standard required information and attachments, the CECMC hereby confirms the following information is necessary for review:</p> <ol style="list-style-type: none">1. Operator is missing 5 wells on the Offset Well Evaluation that are within 1500' of the proposed wellbores. The following wells must be added to the Offset Well Evaluation: 05-123-49284, DOUBLE J 35-11-1NBH 05-123-12567, JORDAN 34-3 05-123-12691, JORDAN 34-6 05-123-12709, JORDAN 34-4 05-001-09558, AMOCO State 41-16 (OWP)2. Additionally, Operator must update to current offset well data. The following wells must be updated on the Offset Well Evaluation: 05-001-07072, KALLSEN 14-10X 05-001-12670, JORDAN 34-5 05-001-09470, KALLSEN 1-103. Both the KALLSEN 14-10X and JORDAN 34-5 were submitted as producing wells requiring Options 1 or 2. Both wells have been plugged and abandoned. KALLSEN 1-10 was also submitted as a producing well with a comment that the Operator will not complete within 150' of the well. This well has also been plugged and abandoned.4. Operator should provide a "Pooling" comment under the "Submit" tab.5. Operator should update the "Comments" regarding offset wells in the "Comments" under the "Submit" tab for all wells listed. Guidance has been provided in a separate email to the Operator.	01/09/2026

Total: 1 comment(s)