

FORM
2

Rev
05/22

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:

403400478

(SUBMITTED)

Date Received:

06/19/2023

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: Razor Well Number: 10E-0304B
Name of Operator: FUNDARE RESOURCES OPERATING COMPANY LLC COGCC Operator Number: 10773
Address: 5251 DTC PKWY STE 950
City: GREENWOOD State: CO Zip: 80111
VILLAGE
Contact Name: Sydney Smith Phone: (303)910-4511 Fax: ()
Email: smith@fundareresources.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): 20210061

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: SWNW Sec: 10 Twp: 10N Rng: 58W Meridian: 6

FNL/FSL

FEL/FWL

Footage at Surface: 2256 Feet FNL 760 Feet FWL

Latitude: 40.854314 Longitude: -103.858586

GPS Data: GPS Quality Value: 1.2 Type of GPS Quality Value: PDOP Date of Measurement: 05/17/2013

Ground Elevation: 5028

Field Name: WILDCAT Field Number: 99999

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: 10 Twp: 10N Rng: 58W Footage at TPZ: 2557 FNL 2116 FWL
Measured Depth of TPZ: 6844 True Vertical Depth of TPZ: 6276 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)Sec: 3 Twp: 10N Rng: 58WFootage at BPZ: 300 FNL 2119 FWLMeasured Depth of BPZ: 14398True Vertical Depth of BPZ: 6276 FNL/FSL FEL/FWL**Bottom Hole Location (BHL)**Sec: 3 Twp: 10N Rng: 58WFootage at BHL: 100 FNL 2119 FWL

FNL/FSL

FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATIONCounty: WELDMunicipality: 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: Other Date of Final Disposition: _____Comments: The location of this refile was permitted with the COGCC and built prior to needing a local government, WOGLA permit.**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 ☐ IndianMineral 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.)

Section 2 Lot 4,SWNW, W/2SW
Section 3 N/2SE, SESE, NESW, w/2SW
Section 4 N/2SE
Section 10 W/2NW, SENW,SWNE
T10N R58W

Total Acres in Described Lease: 640

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: 750 Feet
Above Ground Utility: 2411 Feet
Railroad: 5280 Feet
Property Line: 330 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	535-471	960	n/2 10 all 3

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: 740 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: 14598 Feet

TVD at Proposed Total Measured Depth 6276 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? _____

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	ATSTM	65	0	80	100	80	0
SURF	13+1/2	9+5/8	J55	36	0	1750	750	1750	0
1ST	8+1/2	5+1/2	P110	20	0	14598	2100	14598	0

☐ 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
Confining Layer	Laramie	0	0	419	419			
Groundwater	Fox Hills	419	419	929	929	501-1000	USGS	
Confining Layer	Pierre Shale	929	929	1374	1374			
Groundwater	Upper Pierre Sands	1374	1374	1724	1724	1001-10000	Other	CO DNR Report Project Number 2141, page 10. Study-wide mean TDS value.
Confining Layer	Pierre Shale	1724	1724	3600	3564			
Hydrocarbon	Parkman Sandstone	3600	3564	4100	4044			
Hydrocarbon	Pierre Shale	4100	4044	5300	5224			
Hydrocarbon	Upper Sharon Springs	5300	5224	5800	5794			
Hydrocarbon	Lower Sharon Springs	5800	5794	5900	5876			
Hydrocarbon	Niobrara	5900	5876	14598	6276			

OPERATOR COMMENTS AND SUBMITTAL

Comments

This location has been constructed.

This is a refile Form 2 being filed under the existing API#. The TPZ and BHL have been updated. No changes have been made to the surface hole location.

The nearest well in the same formation is Razor 10E-0303A, planned.

Operator will ensure the wellbore beyond the unit boundary setback is physically isolated and is not complete.

This application is in a Comprehensive Area Plan _____ No _____ CAP #: _____
Oil and Gas Development Plan Name _____ OGDP ID#: _____
Location ID: 438566

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

Signed: _____ Print Name: Sydney Smith
Title: Director - EHSR Date: 6/19/2023 Email: smith@fundareresources.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

05 123 40052 00

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

0 COA	
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Best Management Practices

No BMP/COA Type

Description

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Attachment List

Att Doc Num

Name

403412545	DEVIATED DRILLING PLAN
403412549	DIRECTIONAL DATA
403412550	WELL LOCATION PLAT
403415770	OffsetWellEvaluations Data

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

