

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:

403539230

(SUBMITTED)

Date Received:

09/24/2023

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: Ardourel    Well Number: 4HL

Name of Operator: NUEVIDA RESOURCES LLC    COGCC Operator Number: 10764

Address: 5950 CEDAR SPRINGS RD STE #100

City: DALLAS    State: TX    Zip: 75235

Contact Name: Richard Pate    Phone: (303)5504880    Fax: ( )

Email: dpate@nuevidaresources.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 3    Sec: 18    Twp: 33N    Rng: 8W    Meridian: N

Footage at Surface: 1793 Feet FSL    289 Feet FEL

Latitude: 37.101247    Longitude: -107.767606

GPS Data:    GPS Quality Value: 1.8    Type of GPS Quality Value: PDOP    Date of Measurement: 12/22/2020

Ground Elevation: 6719

Field Name: \_\_\_\_\_    Field Number: \_\_\_\_\_

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: 18    Twp: 33N    Rng: 8W    Footage at TPZ: 2532    FNL 600    FWL

Measured Depth of TPZ: 7489    True Vertical Depth of TPZ: 6918    FNL/FSL    FEL/FWL

Base of Productive Zone (BPZ)  
 Sec: 17 Twp: 33N Rng: 8W Footage at BPZ: 2531 FNL 600 FEL  
 Measured Depth of BPZ: 16987 True Vertical Depth of BPZ: 6903 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)  
 Sec: 17 Twp: 33N Rng: 8W Footage at BHL: 2531 FNL 490 FEL  
 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., 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: Approved Date of Final Disposition: 07/21/2022

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.)

Total Acres in Described Lease: 1280 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # \_\_\_\_\_

## SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 2657 Feet  
Building Unit: 2657 Feet  
Public Road: 1793 Feet  
Above Ground Utility: 1270 Feet  
Railroad: 5280 Feet  
Property Line: 289 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	112-299	1280	T33N, R8W, Sec.17: All; Sec. 18: Lots 1,2,3,4,E1/2W1/2,E1/2 (a.k.a.All)

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: 600 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: 5280 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: 17097 FeetTVD at Proposed Total Measured Depth 6903 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: 613 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? 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
SURF	17+1/2	12+1/4	J-55	54.5	0	504	628	504	0
1ST	12+1/4	9+5/8	L-80HC	40	0	6356	2778	6356	0
2ND	8+1/2	5+1/2	P-110	20	0	17097	3700	17097	5350

 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	Animas	10	10	1570	1570	0-500	Groundwater Sample	
Groundwater	Lower Animas	1570	1570	1780	1780	1001-10000	USGS	WRI 4158
Confining Layer	Kirtland	1780	1780	1960	1960		USGS	WRI 95-4190
Hydrocarbon	Farmington Sand	1960	1960	2503	2503		USGS	WRI 95-4190
Confining Layer	Kirtland Shale (lower)	2503	2499	2675	2669		USGS	WRI 95-4190
Hydrocarbon	Fruitland Coal	2675	2699	3122	3106		USGS	WRI 4188
Hydrocarbon	Picture Cliffs	3122	3106	3388	3382		USGS	WRI 4188
Confining Layer	Lewis Shale	3388	3382	4919	4859		USGS	WRI 4188
Hydrocarbon	Cliff House	4919	4859	5366	5295		USGS	WRI 4188
Hydrocarbon	Menefee (MV)	5366	5295	5635	5558		USGS	WRI 4188
Hydrocarbon	Point Lookout (MV)	5635	5558	6040	5953		USGS	WRI 95-4190
Confining Layer	Mancos Shale	6040	5953	6804	6673		USGS	WRI 95-4190
Hydrocarbon	Mancos - Middle	6804	6673	7314	7274		USGS	WRI 95-4190

**OPERATOR COMMENTS AND SUBMITTAL**Comments This application is in a Comprehensive Area Plan No CAP #: \_\_\_\_\_

Oil and Gas Development Plan Name Ardourel OGD OGD ID#: 483343

Location ID: 484496

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

Signed: \_\_\_\_\_ Print Name: Richard Pate

Title: COO-VP Engr/Opns Date: 9/24/2023 Email: dpate@nuevidaresources.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**  
05 067 10038 1

### 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	

### Best Management Practices

No BMP/COA Type	Description

### Attachment List

Att Doc Num	Name
403539235	OTHER
403539236	WELLBORE DIAGRAM
403539237	PROPOSED OPERATIONS
403539239	PROPOSED OPERATIONS

Total Attach: 4 Files

### General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)