

FORM

2

Rev  
05/22

## State of Colorado

## Energy &amp; Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number:

403930708

(SUBMITTED)

Date Received:

09/30/2024

## APPLICATION FOR PERMIT TO

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and OperateAmend ☐TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER: \_\_\_\_\_Refile ☒ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐Sidetrack ☐

Well Name: KBL 1830 Well Number: 18H  
Name of Operator: VERDAD RESOURCES LLC ECMC Operator Number: 10651  
Address: 1125 17TH STREET SUITE 550  
City: DENVER State: CO Zip: 80202  
Contact Name: Allison Schieber Phone: (720)8456909 Fax: ( )  
Email: regulatory@verdadresources.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): 2030030

## 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: NWSE Sec: 19 Twp: 2N Rng: 63W Meridian: 6

FNL/FSL

FEL/FWL

Footage at Surface: 1805 Feet FSL 1931 Feet FEL

Latitude: 40.121603 Longitude: -104.477747

GPS Data: GPS Quality Value: 2.2 Type of GPS Quality Value: PDOP Date of Measurement: 09/04/2024

Ground Elevation: 4861

Field Name: DJ HORIZONTAL NIOBRARA Field Number: 16950

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: 2N Rng: 63W Footage at TPZ: 2170 FSL 1229 FEL

Measured Depth of TPZ: 10441 True Vertical Depth of TPZ: 6736 FNL/FSL FEL/FWL

**Base of Productive Zone (BPZ)**Sec: 30 Twp: 2N Rng: 63WFootage at BPZ: 460 FSL 1200 FELMeasured Depth of BPZ: 22724True Vertical Depth of BPZ: 6736 FNL/FSL FEL/FWL**Bottom Hole Location (BHL)**Sec: 30 Twp: 2N Rng: 63WFootage at BHL: 370 FSL 1199 FEL

FNL/FSL

FEL/FWL

**LOCAL GOVERNMENT PERMITTING INFORMATION**County: 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.? Yes

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: 11/14/2019Comments: 1041WOGLA19-0009**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.)

T2N R63W: E2, E2W2 Section 18  
Part of the E2 lying South of the Railroad ROW Section 19  
W2 Section 20

Total Acres in Described Lease: 1308 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian  
Federal or State Lease # \_\_\_\_\_

## SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 1639 Feet  
Building Unit: 1691 Feet  
Public Road: 950 Feet  
Above Ground Utility: 1309 Feet  
Railroad: 821 Feet  
Property Line: 717 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	407-3143	1600	T2N R63W Section 18 S2 Section 19 ALL Section 30 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: 460 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: 720 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

T2N R63W Section 18 S2 Section 19 ALL Section 30 ALL

## DRILLING PROGRAM

Proposed Total Measured Depth: 22814 Feet

TVD at Proposed Total Measured Depth 6736 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: 541 Feet ☐ No well belonging to another operator within 1,500 feet

Will a closed-loop drilling system be used? Yes

Is 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? 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? 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	astm	65	0	80	92	80	0
SURF	13+1/2	9+5/8	j55	36	0	1907	518	1907	0
1ST	8+1/2	5+1/2	p110	20	0	22814	2778	22814	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
Groundwater	ARAPAHOE	0	0	185	185	1001-10000	USGS	USGS-400753104251501 (3400mg/L)
Groundwater	FOX HILLS	185	185	732	730	501-1000	USGS	USGS-400539104270301 (539 mg/L)
Confining Layer	PIERRE	732	730	1284	1262			
Groundwater	UPPER PIERRE POROSITY	1284	1262	1830	1751	1001-10000	Other	CO DNR Report Project Number 2141
Confining Layer	PIERRE	1830	1751	5287	3758			
Hydrocarbon	PARKMAN	5287	3758	5739	3986			
Confining Layer	PIERRE	5739	3986	5920	4077			
Hydrocarbon	SUSSEX	5920	4077	6768	4505			
Confining Layer	PIERRE	6768	4505	7617	4933			
Hydrocarbon	SHANNON	7617	4933	8224	5239			
Confining Layer	PIERRE	8224	5239	9904	6546			
Hydrocarbon	SHARON SPRINGS	9904	6546	9950	6576			
Hydrocarbon	NIOBRARA	9950	6576	22814	6736			

**OPERATOR COMMENTS AND SUBMITTAL**

Comments

This location has been built. This well is a refile of KBL 1918 06H API 05-123-50885. The distance from the proposed well to the nearest portion of offset wellbore in the same formation is the KBL 1830 19H measured in 2D. The distance from the proposed well to the nearest well belonging to another operator is Berglund Meyers 42-19 (API 05-123-14249) operated by Simmons Energy DA status, measured in 3D using anti collision report attached as other.

This application is in a Comprehensive Area Plan           No           CAP #:                                   
Oil and Gas Development Plan Name    OGDP ID#:                                   
Location ID: 471229

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

Signed:    Print Name: Allison Schieber

Title: regulatory Date: 9/30/2024 Email: regulatory@verdadresources.c



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**

05 123 50885 00

**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.

**COA Type**

**Description**

0 COA	

**Best Management Practices**

**No BMP/COA Type**

**Description**

1	Drilling/Completion Operations	Alternative Logging Program - One of the first wells drilled on the pad will be logged with Open Hole Resistivity Log and Gamma Ray Log from the kick-off point to into 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 shall clearly state "Alternative Logging Program - No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which Open hole logs were run.
2	Drilling/Completion Operations	Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be conducted on a daily basis when practicable.
3	Drilling/Completion Operations	Operator will perform anti-collision evaluation of all active (producing, shut-in, of temporarily abandoned) offset wellbores that have the potential of being within 150' feet of the proposed well prior to drilling operations. Notice shall be given to all offset operators prior to drilling.

Total: 3 comment(s)

**ATTACHMENT LIST**

**Att Doc Num**

**Name**

403940167	OffsetWellEvaluations Data
403940196	DEVIATED DRILLING PLAN
403940198	OTHER
403940199	WELL LOCATION PLAT

Total Attach: 5 Files

**General Comments**

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

Total: 0 comment(s)

