

FORM 2 Rev 12/20

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: 403012646 (SUBMITTED) Date Received: 05/04/2022

APPLICATION FOR PERMIT TO:

[X] Drill [] Deepen [] Re-enter [] Recomplete and Operate

Amend [X] Refile [] Sidetrack []

TYPE OF WELL OIL [X] GAS [] COALBED [] OTHER: ZONE TYPE SINGLE ZONE [X] MULTIPLE ZONES [] COMMINGLE ZONES []

Well Name: Onion Well Number: 1907-08H Name of Operator: VERDAD RESOURCES LLC COGCC Operator Number: 10651 Address: 1125 17TH STREET SUITE 550 City: DENVER State: CO Zip: 80202 Contact Name: Heather Mitchell Phone: (720)845-6917 Fax: () Email: regulatory@verdadresources.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20170009

WELL LOCATION INFORMATION

Surface Location

QtrQtr: NESW Sec: 19 Twp: 1N Rng: 64W Meridian: 6 Footage at Surface: 2075 Feet FSL 1803 Feet FWL Latitude: 40.035251 Longitude: -104.596368 GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: PDOP Date of Measurement: 04/04/2019 Ground Elevation: 5011 Field Name: WATTENBERG Field Number: 90750

Well Plan: is [] Directional [X] 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: 19 Twp: 1N Rng: 64W Footage at TPZ: 2180 FNL 1077 FEL Measured Depth of TPZ: 8037 True Vertical Depth of TPZ: 7250 FNL/FSL FEL/FWL Base of Productive Zone (BPZ) Sec: 7 Twp: 1N Rng: 64W Footage at BPZ: 460 FNL 1071 FEL Measured Depth of BPZ: 20335 True Vertical Depth of BPZ: 7250 FNL/FSL FEL/FWL Bottom Hole Location (BHL) Sec: 7 Twp: 1N Rng: 64W Footage at BHL: 370 FNL 1072 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., 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: 10/11/2019

Comments: WOGLA19-0202

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 Financial Assurance (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.)

Township 1 North, Range 64 West
Section 18: S2NW4, SW4
Containing approximately 240 acres

Total Acres in Described Lease: 240 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 584 Feet
Building Unit: 1604 Feet
Public Road: 1773 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.

Above Ground Utility: 576 Feet

- Building Unit – as defined in 100 Series Rules.

Railroad: 5280 Feet

Property Line: 590 Feet

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	407-3321	2560	Sec. 30: ALL, Sec. 19:ALL, Sec. 18:ALL, Sec. 7 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: 516 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

Township 1 North, Range 64 West, 6th P.M.
Section 7: All
Section 18: All
Section 19: All
Section 30: All

DRILLING PROGRAMProposed Total Measured Depth: 20425 FeetTVD at Proposed Total Measured Depth 7250 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: 254 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 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	26	16	ASTM	65	0	80	70	80	0
SURF	13+1/2	9+5/8	J55	36	0	2230	606	2230	0
1ST	8+1/2	5+1/2	P110	20	0	20425	2514	20425	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	684	684	501-1000	USGS	USGS-400237104354401 600 mg/L
Groundwater	Fox Hills	684	684	1012	1008	501-1000	USGS	USGS-400111104354501 738 mg/L
Confining Layer	Pierre	1012	1008	1634	1599			
Groundwater	Upper Pierre Porosity	1634	1599	2176	2106	1001-10000	Other	CO DNR Report Project Number 2141
Confining Layer	Pierre	2176	2106	4282	4076			
Hydrocarbon	Parkman	4282	4076	4605	4378			Non-Productive horizon
Confining Layer	Pierre	4605	4378	4657	4427			
Hydrocarbon	Sussex	4657	4427	5030	4776			Non-Productive horizon
Confining Layer	Pierre	5030	4776	5525	5239			
Hydrocarbon	Shannon	5525	5239	5992	5676			Non-Productive horizon
Confining Layer	Pierre	5992	5676	7323	6912			
Hydrocarbon	Sharon Springs	7323	6912	8001	7249			Non-Productive horizon
Hydrocarbon	Niobrara	8001	7249	20425	7262			

OPERATOR COMMENTS AND SUBMITTAL

Comments

The distance to the nearest well completed or permitted in the same formation was measured to the Onion 1907-07H for a distance of 516 ft.
 The nearest proposed well belonging to another operator is the UPPR 52 Pan AM #1 (API 05-123-07254), Operated by Amoco Production Company in DA Status measured in 3D at 254' taken from the anti-collision plan.
 This well has a BHL beyond the unit boundary setback. The bottom of the completed interval will be within the boundary setback at 460 FNL and 1071' FEL of Section 7. The wellbore beyond the unit setback will be physically isolated and will not be completed.

This application is in a Comprehensive Area Plan _____ CAP #: _____
 Oil and Gas Development Plan Name _____ OGDP ID#: _____
 Location ID: 470925
 I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Signed: _____ Print Name: Heather Mitchell
 Title: Regulatory Manage _____ Date: 5/4/2022 Email: regulatory@verdadresources.c

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 51235 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

Best Management Practices

No	BMP/COA Type	Description
1	Odor mitigation	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 measuredwhile-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 openhole 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 openhole logs were run.
2	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.
3	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.

Total: 3 comment(s)

Attachment List

Att Doc Num	Name
403029356	OffsetWellEvaluations Data
403029360	WELL LOCATION PLAT
403029365	DEVIATED DRILLING PLAN
403029367	OTHER
403029368	DIRECTIONAL DATA

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.

