

Air Oil and Gas Facility Registration - Modification

version 2.2

(Submission #: HPJ-ZBHZ-04FPA, version 1)

Digitally signed by:
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Date: 2022.09.08 17:20:02 -05:00
Reason: Submission Data
Location: State of North Dakota

Details

Submission ID HPJ-ZBHZ-04FPA

Submission Reason Modification

Form Input

Instructions

Instructions

Use this form to register a new wellheads or modified equipment that has already submitted an Oil and Gas Production Facility as required under NDAC 33.1-15-20-01 (i.e. the site is in CERIS-ND with an OGR number).

If you are adding a well to an existing facility, use this form.

Registration fees are calculated at \$150 per new well.

If you add a Permit to Construct application you will be assets the additional \$325 filing fee. A link to the permit to construct forms is below.

You can upload an upstream oil and gas production site Title V permit to operate application in this registration, a link to the Title V forms is below.

You can also submit the request to rescind a Title V permit to operate application if this site's emissions have gone below Title V emission thresholds.

Please note that we migrated data in from NDIC's database so if your a modifying/adding a wellhead to an exiting cite and this is your FIRST time using CERIS-ND to register the Upstream Production Facility, there is no data to migrate into this form to pre-populated data fields.

If you have submitted a CERIS-ND NEW Air Upstream Production Facility Registration form for this facility then the data from that previous submittal will pre-populate this form.

WARNING: You are responsible for checking that the pre-populated data is correct and accurate at the time of submittal of this form and to update that data as necessary.

More Information

More information on Oil and Gas Production Facility registration, rules, regulations, and policies can be found on the Department's website.

[NDDEQ- Oil & Gas](#)

[Permit Application Forms](#)

OGR Number

OGR number

OGR-17467

Section A - Company Information

Owner/Applicant

Company

Company Name

CONTINENTAL RESOURCES, INC.

Company Mailing Address

PO BOX 268870
OKLAHOMA CITY, OK 73126
United States

Responsible Official

Responsible Official

Prefix

NONE PROVIDED

First Name Last Name

Scott Campbell

Title

Manager, Production

Organization Name

CONTINENTAL RESOURCES, INC.

Phone Type Number Extension

Business 405-234-9326

Email

scott.campbell@clr.com

Responsible Official's Mailing Address

PO Box 269000
Oklahoma City, OK 73126
USA

Contact Person for Air Pollution Matters

Contact person for Air Pollution Matters

First Name Last Name

Jessica Hinson

Title

Environmental Specialist

Organization Name

CONTINENTAL RESOURCES, INC.

Phone Type Number Extension

Business 4052349688

Email

jessica.hinson@clr.com

Contact Person for Air Pollution Matters' Mailing Address

PO Box 269000
Oklahoma City, OK 73126
USA

Section B - Facility Information

i When entering the facility name in the field below, please enter the company name first and then the facility name, separated by a hyphen. For example:
[Company Name] - [Site Name]
ABC Company, LLC - 123 Test Facility

Facility Name

CONTINENTAL RESOURCES, INC. - BUDDY/DOMINDGO PAD-123180-1

Site Type

Air Oil Production Facility

County

Williams

Enter the facility location below. For latitude/longitude, use centroid of pad.

Facility Location (CTB location/ location of the main process equipment):

48.31289,-103.3954

Enter the PLSS location for the facility

Qtr Qtr	Qtr	Section	Township	Range
NONE PROVIDED	NONE PROVIDED	27	156N	99W

Are the well heads located at this facility?

Yes (All wellheads located at this site)

Registration Fee (Calculated)

The values below are auto-populated from the information provided in the form.

Total wells reported on this registration

2

Total new wells reported on this registration

0

Registration Fee Due

0

Section C - Well Information (1 of 2)**Well: Buddy 1-27H****NDIC Number**

23180

API Number (full number including trailing 0s)

33105026800000

Status

Existing-No Change

Well Name

Buddy 1-27H

Field Name

EAST FORK

Producing Pool

BAKKEN/THREE FORKS

First Date of Production

01/08/2013

Feature Type (used to map wellhead)

Oil Wellhead

Provide the latitude and longitude for the well location ((to 5 decimals of a degree using North American Datum of 1983)

48.31289,-103.3954

Enter the PLSS location for the well

Qtr Qtr	Qtr	Section	Township	Range
NONE PROVIDED	NONE PROVIDED	27	156N	99W

Section C - Well Information (2 of 2)

Well: Domindgo 1-22H

NDIC Number

23181

API Number (full number including trailing 0s)

33105026810000

Status

Existing-No Change

Well Name

Domindgo 1-22H

Field Name

EAST FORK

Producing Pool

BAKKEN/THREE FORKS

First Date of Production

1/9/2013

Feature Type (used to map wellhead)

Oil Wellhead

Provide the latitude and longitude for the well location ((to 5 decimals of a degree using North American Datum of 1983)

48.31289,-103.39522

Enter the PLSS location for the well

Qtr Qtr	Qtr	Section	Township	Range
NONE PROVIDED	NONE PROVIDED	27	156N	99W

Section D - Facility-Wide Applicable Regulations and Potential to Emit (PTE)

Applicable Air Programs

Applicable State rules (SIP) have been pre-selected for you. Select each Federal Rule that is applicable to the facility.

Table 1 - Applicable Federal Air Programs - Select each Federal Part that this site has requirements under (ex. NSPS, MACT, GACT)

Program Code
40 CFR Part 60 - New Source Performance Standards/NSPS (Table 2)

Table 2 - 40 CFR 60 - NSPS Air Program Subparts

Subpart
Subpart JJJJ - STATIONARY SPARK IGNITION INTERNAL COMBUSTION ENGINES
Subpart OOOOa - CRUDE OIL/NATURAL GAS PRODUCTION/TRANSMISSION & DISTRIBUTION (post 9/18/15)

Table 3 - 40 CFR 61 - NESHAPS Air Program Subparts

Subpart

Table 4 - 40 CFR 63 - MACT Air Program Subparts (Major)

Subpart

Table 5 - 40 CFR 63 - GACT/Area Source MACT Air Program Subparts

Subpart

Table 6 - Applicable State Regulations

Regulation
33.1-15-01. General Provisions.
33.1-15-02-04. Ambient air quality standards.
33.1-15-03-03.1. Visible Emissions. Restrictions applicable to flares.
33.1-15-07-01.3. Requirements for construction of organic compounds facilities. Submerged fill pipes required.
33.1-15-07-02. Requirements for organic compounds gas disposal.
33.1-15-16-02. Emissions of Odorous Substances Restricted.
33.1-15-17-04. Restriction of Fugitive Gaseous Emissions.
33.1-15-20-02. Control of Emissions from Oil and Gas Well Production Facilities. Registration and Reporting Requirements.
33.1-15-20-03. Control of Emissions from Oil and Gas Well Production Facilities. Prevention of significant deterioration applicability and source information requirements.
33.1-15-20-04. Requirements for control of production facility emissions.
33.1-15-23. Fees.

Potential to Emit (PTE) Production and Throughput Limits

The source's production and throughput limits used to estimate the Potential to Emit (PTE) MUST be included in this section (comment box below) or attached in this registration. Per Chapter 33.1-15-20, this registration and attached estimated PTE MUST contain sufficient information to allow the Division to determine if the facility is in compliance with all applicable North Dakota Air Pollution Control Rules. The DEQ may take enforcement action on sources that have not submitted a complete and accurate registration or have not operated in accordance with the information, production, and throughput limits submitted in this registration.

Potential to Emit (PTE)

Pollutant	Tons per year without Fugitive Emissions	Tons Per Year with Fugitive Emissions
NOx	33.70	33.70
CO	79.94	79.94
VOCs	78.32	90.60
SO2	0.13	0.13
PM	2.62	3.09
PM10	2.62	3.09
PM2.5	2.62	3.09
Total HAPs	6.17	6.55

Is this source a Title V source after this registration is submitted?

No - this site is a minor source or has gone below Title V emission levels.

PTE Production and Throughput Limits Narrative (if not uploading document)

NONE PROVIDED

Supporting Documents

Buddy 1 Domindgo 1 - Updated Registration Package.pdf - 09/08/2022 05:13 PM

Comment

NONE PROVIDED

Section E - Process Equipment Information

OIL

Production Rate - Oil

75.40

Units (in barrels per unit of time)

BBL/day

Does this facility have pipeline crude oil sales?

Yes

Provide the name of the company (oil)

Other: Kinder Morgan

PRODUCED WATER

Production Rate - Produced Water

75.30

Units (in barrels per unit of time)

BBL/day

Does this facility have pipeline produced water disposal?

Yes

ASSOCIATED GAS

Production Rate - Gas

171.60

Units (in thousand standard cubic feet per unit of time)

Mscf/day

Does this facility have pipeline gas sales?

Yes

Provide the name of the company (gas)

OneOK Rockies Midstream, LLC

CONTROL DEVICES

Does this facility have Department approval for and use a 99.5% DRE combustor?

No

Does this facility have Department approval for and use a 99% DRE flare?

No

Does this facility have and use a 98% DRE flare?

Yes

Emission Units

List the process equipment on site including their operating parameters. These values may be used as inputs for a process

simulation model. If you are uploading PSM files, you do not need to fill out this table.

Please specify the normal operating pressures and temperatures of the processing equipment located at the facility. If more than one of the same equipment is on site, you may group them together but list the units in the EU No. field.

Example: Tanks 1-6, would represent 6 tanks.

If process equipment has a control device, list the Emission Unit for the control device to cross-reference.

Example: Crude Oil Storage Tanks, list the number of tanks and the operating temp and pressure for the tanks, not of the control device.

Are you uploading Process Simulation files to this form?

Yes

Process Simulation Upload

Buddy 1 Domindgo 1 - ProMax.pdf - 07/06/2022 09:44 AM

Comment

NONE PROVIDED

Section F - Gas Analysis - High Pressure Gas

Sample Collection Information

Sample Site OGR Number or NDIC Number

37296

Sample ID Number

172-21060092-001A

Sample Method

Other: See attached analysis

Sampled Date

06/15/2021

Lab Analysis Information

Analysis Method

GPA-2286

Analysis Date

06/15/2021

Average Gas Molecular Weight

28.17

Higher Heating Value (HHV) in BTU/scf @ 14.73 PSIA

1,614

Lower Heating Value (LHV) in BTU/scf @ 14.73 PSIA

1,587

% Weight Total VOC (non-methane, non-ethane)

42.91

% Weight Total HAPs

1.15

Is this a dry gas analysis?

No

Gas Component Results

High Pressure Gas Analysis Results

Component	% Weight
Methane	29.6585
Ethane	23.9368
Propane	20.3194
Combined Butanes	11.9282
5+ Carbons	10.6784
Hydrogen Sulfide (H2S)	0.0000
	Sum: 96.5213

Attach Certified Lab Analysis

2021-06-15 Irgen Rexall 2-7 - Gas Analysis.pdf - 07/06/2022 09:54 AM

Comment

NONE PROVIDED

Section G - Gas Analysis - Low Pressure/Flash Gas

Process Simulation Model utilized to calculate flash gas?

Yes

Gas Component Results

Components supplied in certified lab analysis or in process simulation files will be used in calculating/verifying emissions. Information in this table will be used for general trending across all registrations.

Low Pressure/Flash Gas Analysis Results

Component	% Weight
Methane	4.9600
Ethane	19.9800
Propane	33.3500
Combined Butanes	25.2700
5+ Carbons	16.0000
Hydrogen Sulfide (H2S)	0.0000
	Sum: 99.5600

Section H - Oil Properties

API Gravity @ 60F

55.23

True Vapor Pressure @ 100F, PSIA

17.91

Reid Vapor Pressure (RVP)

9.8

Section I - Additional Registration Information

Attach any additional information relevant to the operations at the facility in support of this registration.

2022-05-11 Buddy 1 Domindgo 1 - Liquid Analysis.pdf - 07/06/2022 09:55 AM

Comment

NONE PROVIDED

Section J - Title V Application

Do you wish to upload a Title V Permit to Operate Application to this Registration?

No

Have you previously submitted a Title V Permit to Operate Application that you would like to request be rescinded?

No

Section K - Permit to Construct Application

Do you wish to upload a Permit to Construct Application to this Registration?

No

Submittal of Facility Registration Application

Additional Requirements

Submittal of Facility Registration Application

This facility MAY BE subject to additional requirements per North Dakota Air Pollution Control Rules and federal rules. Please review the following items, as one or more may apply to this facility.

Initial Construction and Operation

Construction and operation of the facility (with respect to sources of air pollution) shall be in accordance with information provided to the Department as well as any plans, specifications, and supporting data submitted to the Department. The Department shall be notified ten days in advance of any significant deviations from the specifications furnished. Approval to construct and operate may be suspended or revoked if the Department determines that a significant deviation from the plans, specifications, and/or emissions calculations furnished has been made or is to be made.

State Rules

North Dakota Air Pollution Control Rules

The North Dakota Century Code (NDCC) Title 23.1 can be located at <https://www.legis.nd.gov/cencode/t23-1c06.html>. The North Dakota Administrative Code (NDAC) can be located at <https://www.legis.nd.gov/information/acdata/html/33.1-15.html>.

1. NDCC 23.1-06 ♦ Air Pollution Control
2. NDAC 33.1-15-01 ♦ General Provisions
3. NDAC 33.1-15-02 ♦ Ambient Air Standards
4. NDAC 33.1-15-03 ♦ Restriction of Emission of Visible Air Contaminants
5. NDAC 33.1-15-06 ♦ Emissions of Sulfur Compounds Restricted
6. NDAC 33.1-15-07 ♦ Control of Organic Compounds Emissions
7. NDAC 33.1-15-12 ♦ Standards of Performance for New Stationary Sources
 - a. 40 CFR 60, Subpart IIII ♦ Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
 - b. 40 CFR 60, Subpart JJJJ ♦ Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
 - c. 40 CFR 60, Subpart OOOO ♦ Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced after August 23, 2011, and on or before September 18, 2015
 - d. 40 CFR 60, Subpart OOOOa ♦ Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
8. NDAC 33.1-15-13 ♦ Emission Standards for Hazardous Air Pollutants
9. NDAC 33.1-15-14 ♦ Designated Air Contaminant Sources, Permit to Construct, Minor Source Permit to Operate, Title V Permit to Operate
10. NDAC 33.1-15-15 ♦ Prevention of Significant Deterioration of Air Quality
11. NDAC 33.1-15-16 ♦ Restriction of Odorous Air Contaminants
12. NDAC 33.1-15-17 ♦ Restriction of Fugitive Emissions
13. NDAC 33.1-15-20 ♦ Control of Emissions from Oil and Gas Well Production Facilities
14. NDAC 33.1-15-22 ♦ Emission Standards for Hazardous Air Pollutants for Source Categories
15. NDAC 33.1-15-23 ♦ Fees

Federal Rules

Federal Rules

The Code of Federal Regulations (CFR) can be located at <https://www.ecfr.gov/>

1. 40 CFR 63, Subpart ZZZZ ♦ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Note: This rule has not been adopted for area sources by the North Dakota Department of Environmental Quality and correspondence should be sent to the Region 8 EPA office.)

Potential to Emit Exceeds 100 tons per year (Title V Air Operating Permit Requirements)

If the 12-month rolling total of emissions from your facility have the potential to exceed 100 tons per year of any criteria pollutant or ten tons per year of any single hazardous air pollutant, your facility is subject to the following requirements:

1. By the 15th day of each month, emissions from the facility (including VOCs, NO_x, CO, SO₂, PM₁₀, and HAPs) shall be calculated and recorded for the previous month and for the previous 12-month period (12-month rolling sum). If the calculation methodology is not adequately justified (e.g. emission factors are not approved by the Department, etc.), the Department will recalculate emissions using the best available information.
2. The owner/operator shall submit the emissions calculations for the facility to the Department within 30 days of the end of the calendar quarter for the previous calendar quarter. The Department will review the data to determine if issuance of a Title V permit for the facility is warranted. Before the Department determines that a Title V permit is appropriate for the facility, it will be necessary for you to demonstrate that all practicable efforts have been made to collect the produced gas during normal operation.
3. If a change is made at the site (e.g. additional sales capacity, installation of additional control equipment, etc.) that changes the calculated potential to emit for the facility, then potential emissions from the facility shall be recalculated and submitted to the Department within 30 days of the change.
4. The Department does not consider the flaring of produced gas to be indicative of ♦normal♦ operation as this gas is a valuable, nonrenewable resource that should be collected, processed, and utilized in a responsible manner for the benefit of the citizens of the state. Therefore, with the above-referenced quarterly report, a schedule for the development of the necessary infrastructure to collect, process, and utilize the produced gas shall be submitted.

Questions

Note that the above-referenced conditions address only air quality requirements that may be applicable to your facility. Other divisions (Water Quality, Waste Management and Municipal Facilities) within the Department of Environmental Quality may have additional requirements. Contact information for the various divisions can be found on deq.nd.gov.

Please contact Wyatt Peterson at 701-328-5184 or wyatt.peterson@nd.gov with any questions.

i REMEBER to Add any Users to this Site so they can have access to this Site when they login. Authorized Users>Invite Users

Total Fee Due

Total Fees due for new well heads and permit to construct application.

Total Fee Due

0