

FORM
2

Rev
02/20

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:

402263759

(RE-SUBMITTED)

Date Received:

APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER: _____

Refilling ☐

ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

Sidetrack ☐

Well Name: Anschutz Equus Farms

Well Number: 4-62-21-5764C

Name of Operator: HIGHPOINT OPERATING CORPORATION

COGCC Operator Number: 10071

Address: 555 17TH ST STE 3700

City: DENVER

State: CO

Zip: 80202

Contact Name: Erin Ekblad

Phone: (303)312-8745

Fax: ()

Email: eekblad@hpres.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20040060

WELL LOCATION INFORMATION

QtrQtr: NESE Sec: 21 Twp: 4N Rng: 62W Meridian: 6

Latitude: 40.296603

Longitude: -104.323338

Footage at Surface: 2377 Feet FNL/FSL FSL 923 Feet FEL/FWL FEL

Field Name: WATTENBERG

Field Number: 90750

Ground Elevation: 4581

County: WELD

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 09/19/2019

Instrument Operator's Name: Nate Welch

If well is ☐ Directional ☒ Horizontal (highly deviated) submit deviated drilling plan.

Footage at Top of Prod Zone: FNL/FSL FSL 500 FSL 460 FEL 500 FSL 400 FWL
Sec: 21 Twp: 4N Rng: 62W Sec: 20 Twp: 4N Rng: 62W

LOCAL GOVERNMENT INFORMATION

County: WELD

Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "local government with jurisdiction to approve the siting of the proposed oil and gas location."

The local government with jurisdiction is: County

Does the local government with jurisdiction regulate the siting of Oil and Gas Locations, with respect to this location? If the local government does regulate the siting, but has waived its right to precede the COGCC in siting determination, indicate by selecting "YES" here and selecting "Waived" for the disposition below.

☒ 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 local government siting permit type is: 1041 WOGLA

The local government siting permit was filed on: 12/20/2019

The disposition of the application filed with the local government is: Approved

Additional explanation of local process:

1041 WOGLA approved on 3/12/2020
1041 WOGLA19-0038

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Surface Owner is: ☒ is the mineral owner beneath the location.

(check all that apply)

☒ is committed to an Oil and Gas Lease.

☒ has signed the Oil and Gas Lease.

☐ is the applicant.

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes

The right to construct the Oil and Gas Location is granted by: Surface Use Agreement

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

Township 4 North, Range 62 West, 6th P.M.
Section 20: S/2, NW. W/2NE, SENE
Section 21: N/2SE/4, NE/4 LESS AND EXCEPT A TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED IN BOOK 814, PAGE 450 OF WELD COUNTY COLORADO RECORDS (RECORDED AT RECEPTION 507636 ON 3/22/1927, 12.73 ACRES, MORE OR LESS)

See attached Mineral lease Map.

Total Acres in Described Lease: 3595 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian

Federal or State Lease # _____

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 0 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building:	<u>2078</u> Feet
Building Unit:	<u>2399</u> Feet
High Occupancy Building Unit:	<u>5280</u> Feet
Designated Outside Activity Area:	<u>5280</u> Feet
Public Road:	<u>320</u> Feet
Above Ground Utility:	<u>260</u> Feet
Railroad:	<u>5280</u> Feet
Property Line:	<u>909</u> Feet
School Facility:	<u>5280</u> Feet
School Property Line:	<u>5280</u> Feet
Child Care Center:	<u>5280</u> Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- 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, High Occupancy Building Unit, Designated Outside Activity Area, School Facility, and Child Care Center – as defined in 100 Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☐ Buffer Zone
☐ Exception Zone
☐ Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SPACING and UNIT INFORMATION

Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 561 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 460 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): _____ Unit Number: _____

SPACING & FORMATIONS COMMENTS

Spacing Order Information:
Township 4 North, Range 62 West, 6th P.M.
Section 20 & 21 ALL

If this Form 2 is associated with a Drilling and Spacing Unit application, provide docket number: _____

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	407-1603	1280	4N62W Sec. 20 & 21

DRILLING PROGRAM

Proposed Total Measured Depth: 16827 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: 77 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 Operations Plan)

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

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE

Drilling Fluids Disposal Methods: Land application

Cuttings Disposal: OFFSITE

Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: 462030 or Document Number:

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	13+1/2	9+5/8	36	0	800	264	800	0
1ST	8+3/4	7	23	0	7128	340	7128	3500
2ND	6+1/8	4+1/2	11.6	0	16827	482	16827	6400

☒ Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☒ Rule 318A.a. Exception Location (GWA Windows).
- ☒ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

OTHER LOCATION EXCEPTIONS

Check all that apply:

☐ Rule 318.c. Exception Location from Rule or Spacing Order Number _____

☐ Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

In Spacing Tab, The distance to the nearest well completed or permitted in the same formation was measured to the Anschutz Equus Farms 4-62-21-5649C at 561 feet away.

In Drilling Tab, distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator was measured to the ORR #14-20 (APIR# 05-123-09247) (DA Status) Operated by Beaver Mesa Exploration CO (6988) using footage callouts at 77 feet. However no stimulation consent required as well is DA status. This distance is measured in 3D. The OWE is attached to the Form 2.

This well has a bottom-hole location beyond the unit boundary setback. The bottom of the completed interval will be within the 460' unit boundary setback. The wellbore beyond the unit boundary setback will be physically isolated and will not be completed.

This Location has an approved Location ID 474384.

This application is in a Comprehensive Drilling Plan No CDP #: _____

Location ID: 474384

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: _____ Print Name: Erin Ekblad

Title: Regulatory Supervisor Date: _____ Email: eeekblad@hpres.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

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

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Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	HighPoint will adhere to the COGCC Policy for Bradenhead Monitoring effective 5/29/12.
2	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 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 state "Alternative Logging Program -No open-hole logs were run" and shall clearly identify the type of log and the well (by API#) in which open-hole logs were run."
3	Drilling/Completion Operations	Prior to drilling operations, HighPoint will perform a risk analysis of the potential for subsurface collision with existing offset wells within close proximity of the proposed well, taking into consideration the possibility of well path drift for both the existing and proposed wells. Where inclination, MWD or gyro surveys of the offset wells are available, or can be reasonably obtained by the operator, such surveys will be incorporated in the risk analysis, taking into account survey instrument margin of error. For the proposed well, upon conclusion of drilling operations, an as-constructed final directional survey will be submitted to the COGCC with the Form 5.

Total: 3 comment(s)

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.
http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402263759	FORM 2 SUBMITTED
402445729	FORM 2 REJECTED
402445895	MINERAL LEASE MAP
402445896	WELL LOCATION PLAT
402445897	DIRECTIONAL DATA
402445898	DEVIATED DRILLING PLAN
402446156	EXCEPTION LOC REQUEST
402446795	EXCEPTION LOC WAIVERS
402463931	SURFACE AGRMT/SURETY
402463932	SURFACE AGRMT/SURETY
402463940	OffsetWellEvaluations Data

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit (Rejected)	<p>This application has been reviewed by COGCC staff and cannot be approved based on the information submitted; therefore, the COGCC is rejecting this application consistent with the Rejection Process – Form 2 and 2A (May 21, 2019) posted in the Form 2 and Form 2A Instructions section of our website. In compliance with § 24-65.1-108(1), C.R.S., the COGCC is returning this application to the applicant to remedy the deficiencies. The applicant may resubmit this application for COGCC review; upon determination of completeness for any resubmitted application, the COGCC will have 60 days in which to approve, deny, or request all additional information necessary to complete the regulatory review.</p> <p>In addition to all standard required information and attachments, the COGCC hereby confirms the following information is necessary prior to determination of completeness:</p> <ol style="list-style-type: none"> 1. The distance from the completed portion of the proposed wellbore to the nearest completed portion of an offset wellbore permitted or completed in the same formation, found on the Spacing and Formations tab, is incorrect on the majority of the APDs. Review all 12 APDs and make all corrections including the well referenced on the Submit tab for this distance when necessary?. 2. APD 21-0801BB is not a legal well based on order 407-1603. Correct the well plan or spacing. Make all necessary corrections to the other tabs as needed including the property line distance. 3. APDs 21-0801BB and 16-6302C have the same surface hole location on the forms and the well plats attached to the forms. The incorrect well will need a new plat and the form corrected. 4. APD 22-6401CB has 3 errors including the minerals beneath question on the surface and minerals tab, the distance to the nearest unit boundary on the spacing tab, and the comment is missing on the submit tab about drilling past the unit boundary setback. In addition, the comment on the submit tab pertaining to the unit boundary setback is incorrect and should be removed. 5. Two wells (123-05137 and 123-09247) have been identified as requiring a mitigation option 3 by COGCC engineering. However, the wells were not identified as requiring mitigation on the offset well evaluations provided by the operator. The ORR 1 (123-05137) was not included on the offset reviews at all. Please acknowledge the required mitigation for these two wells. Additionally, please review the offset evaluations to ensure all offset wells within 1500' of any section of the proposed HZ well paths are included prior to re-submitting the form 2s. 6. On APD 22-6302C, the oil based drilling fluid question on the drilling tab is incorrect. 7. 3 APDs have an incorrect Reuse Facility ID on the drilling tab. 8. The WOGLA file date is incorrect on 3 APDs. 9. The proposed TD should be rounded to the nearest integer and the submit tab comments stating the values were not rounded should be removed. 10. On 9 APDs, the docket numbers should be removed from the spacing tab. All spacing orders are already approved. 11. On 4 APDs, the ground elevation should be rounded to the nearest integer. 12. On APDs 16-6302C and 16-6203C, remove the text from the federal or state unit name on the spacing tab. 13. On APD 16-6104C, the contact phone number is incorrect. 	07/17/2020
Permit	Passed completeness.	06/12/2020
Permit	Returned to draft per operator request.	05/29/2020
Permit	Returned to draft - operator request	05/26/2020
Permit	Returned to draft per operator request.	05/22/2020

Total: 5 comment(s)

Public Comments

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

RE-SUBMITTED