

FORM
2A

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:

402447303

(SUBMITTED)

Date Received:

08/20/2020

Oil and Gas Location Assessment

New Location Refile Amend Existing Location Location#: 457085

This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the COGCC website at <https://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

457085

Expiration Date:

This location assessment is included as part of a permit application.

CONSULTATION

- This location is included in a Comprehensive Drilling Plan. CDP # _____
- This location is in a sensitive wildlife habitat area.
- This location is in a wildlife restricted surface occupancy area.
- This location includes a Rule 306.d.(1)A.ii. variance request.

Operator

Operator Number: 10071
 Name: HIGHPOINT OPERATING CORPORATION
 Address: 555 17TH ST STE 3700
 City: DENVER State: CO Zip: 80202

Contact Information

Name: Erin Ekblad
 Phone: (303) 312.8745
 Fax: ()
 email: eekblad@hpres.com

FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20040060 Gas Facility Surety ID (Rule 711): _____
- Waste Management Surety ID (Rule 704): _____

LOCATION IDENTIFICATION

Name: Critter Creek Number: 17 SWSE
 County: WELD
 Quarter: SWSE Section: 17 Township: 11N Range: 63W Meridian: 6 Ground Elevation: 5327

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 680 feet FSL from North or South section line
1909 feet FEL from East or West section line

Latitude: 40.916940 Longitude: -104.454410

GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 06/09/2020

Instrument Operator's Name: Jake Stille

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: 1041WOGLA20-0041

The local government siting permit was filed on: 07/31/2020

The disposition of the application filed with the local government is: In Process

Additional explanation of local process:

1041WOGLA20-0041 has been submitted and is in process. Please note the 1041 WOGLA Application is subject to change application number per Weld County since it is apart of CDP Package with Weld County. This information is coming from Weld County directly about the WOGLA number.

This WOGLA is apart of a CDP for Weld County ONLY.

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is: LOCATION ID # FORM 2A DOC #

Well Site is served by Production Facilities 414451

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	<u>16</u>	Oil Tanks*	_____	Condensate Tanks*	_____	Water Tanks*	_____	Buried Produced Water Vaults*	_____
Drilling Pits	_____	Production Pits*	_____	Special Purpose Pits	_____	Multi-Well Pits*	_____	Modular Large Volume Tanks	_____
Pump Jacks	<u>16</u>	Separators*	<u>16</u>	Injection Pumps*	_____	Cavity Pumps*	_____	Gas Compressors*	_____
Gas or Diesel Motors*	_____	Electric Motors	_____	Electric Generators*	_____	Fuel Tanks*	_____	LACT Unit*	_____
Dehydrator Units*	_____	Vapor Recovery Unit*	_____	VOC Combustor*	_____	Flare*	_____	Pigging Station*	_____

OTHER FACILITIES*

Other Facility Type Number

Line Heater	<u>1</u>
Meter Building	<u>2</u>

Those facilities indicated by an asterisk () shall be used to determine the distance from the Production Facility to the nearest cultural feature on the Cultural Setbacks Tab.

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

(1) 10" gas gathering
 (2) 4" gas INJ
 (1) 4" oil
 (2) 4" water
 (16) 2"-4" flow oil/water/gas lines
 (16) 2" INJ lines

CONSTRUCTION

Date planned to commence construction: 10/19/2021 Size of disturbed area during construction in acres: 9.10
Estimated date that interim reclamation will begin: 07/19/2022 Size of location after interim reclamation in acres: 5.00
Estimated post-construction ground elevation: 5323

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Land application

Cutting Disposal: OFFSITE Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

See attached.

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: 462030 or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Wahlert Ranch Phone: _____

Address: 31530 WCR 128 Fax: _____

Address: _____ Email: _____

City: Grover State: CO Zip: 80729

Surface Owner: Fee State Federal Indian

Check all that apply. The Surface Owner: is the mineral owner
 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 from or produced to this Oil and Gas Location: Yes

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

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

Date of Rule 306 surface owner consultation 06/13/2020

If this Form 2A is associated with Drilling and Spacing Unit applications, list docket number(s): _____

CURRENT AND FUTURE LAND USE

Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP

Non-Crop Land: Rangeland Timber Recreational Other (describe): _____

Subdivided: Industrial Commercial Residential

Future Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP

Non-Crop Land: Rangeland Timber Recreational Other (describe): _____

Subdivided: Industrial Commercial Residential



CULTURAL DISTANCE INFORMATION

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	2874 Feet	2684 Feet
Building Unit:	2874 Feet	2684 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	419 Feet	251 Feet
Above Ground Utility:	320 Feet	68 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	425 Feet	258 Feet
School Facility::	5280 Feet	5280 Feet
School Property Line:	5280 Feet	5280 Feet
Child Care Center:	5280 Feet	5280 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- 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.
- For measurement purposes only, Production Facilities should only include those items with an asterisk(*) on the Facilities Tab.

SCHOOL SETBACK INFORMATION

Was Notice required under Rule 305.a.(4)? Yes No

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.
- Large UMA Facility – 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: _____

FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (on□ or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. (*Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.*)
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

SOIL

List all soil map units that occur within the proposed location. attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.org/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 51: Peetz gravelly sandy loam, 5 to 20 percent slopes

NRCS Map Unit Name: 5: Ascalon sandy loam, 5 to 9 percent slopes

NRCS Map Unit Name: 4: Ascalon fine sandy loam, 0 to 6 percent slopes

PLANT COMMUNITY:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes No

Plant species from: NRCS or, field observation Date of observation: 06/09/2020

List individual species:

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- Alpine (above timberline)
- Other (describe): _____

WATER RESOURCES

Is this a sensitive area: No Yes

Distance to nearest

downgradient surface water feature: 3925 Feet

water well: 2836 Feet

Estimated depth to ground water at Oil and Gas Location 51 Feet

Basis for depth to groundwater and sensitive area determination:

Distance to nearest water feature, which per COGCC GIS map is an un-named river/stream to the SE at 3925 feet away.

It appears that Permit #157067- was cancelled and replaced by Permit #157067-A. That well does not appear to have been drilled. However a third well (Permit #158236) does appear to have been drilled in place of #157067-A. This appears to be the closest water well to our location in Section 17. The permit# 158236 is 2836 feet from nearest well on proposed pad at 51 feet Static Water Level.

Additionally there are closer water permits to the south but permits state they are cancelled but this distance to nearest water permit is 2836 feet away from proposed pad, with permit number 158236 with a static water level of 51 feet.

Also there is a borrow ditch per Hydrology Map attached at 214 and 244 feet to the South of proposed pad as well.

Is the location in a riparian area: No Yes

Was an Army Corps of Engineers Section 404 permit filed No Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No zone:

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: _____

Is the Location within a Floodplain? No Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

WILDLIFE

This location is included in a Wildlife Mitigation Plan

This location was subject to a pre-consultation meeting with CPW held on _____

Operator Proposed Wildlife BMPs

No BMP

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

Rule 604.a.(1)A. Exception Zone (within 500' of a Building Unit) and is in an Urban Mitigation Area

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)

RULE 502.b VARIANCE REQUEST

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

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 The reference well for this proposed location is Critter Creek 20-0857B.

HighPoint is planning on amendign Location ID 457085 as noted on this 2A. We have drilled 6 wells on this proposed pad and all wells currently are producing. We are adding 10 wells, to make this a 16 proposed multi well pad.

This location Location ID 457085 uses production facilities from Location ID 414451, and we are amending ILocation ID 414451 at the same time as this submission as noted under Location Identification Tab, Also please note we included a waste management ID 462030 and see attachment on 2A.

This proposed pad that we are amendin for Critter Creek 17 SWSE will decrease in size of construction from the original 2A from 10.84 to 9.10 acrea.

We attached a facility layout drawing to the Form 2A as well.

Weld County is planning our hearing at end of August for the CDP WOGLA application. Currently WOGLA has been in process for the CDP package since July 31, 2020 submission date and we will be assigned a WOGLA application number again when the CDP has been reviewed/approved.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
 Signed: _____ Date: 08/20/2020 Email: eekblad@hpres.com

Print Name: Erin Ekblad Title: Regulatory Supervisor

Based on the information provided herein, this Oil and Gas Location Assessment complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____

Conditions Of Approval

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

COA Type	Description

Best Management Practices

No	BMP/COA Type	Description
1	Planning	A barbed wire fence will be installed around the perimeter of location. In addition, a cattle guard will be set at the entrance of location. The fence will be moved durng interim reclamtion and will remain in place around the final disturbance area.
2	Traffic control	Traffic will follow an approved route per a Road Maintenance Agreement with Weld County. Operator will work with Weld County to create a designated haul route that will be utilized during times of heavy road use. Operator will install travel route signs at all exit points of the Location and nearby road intersections that clearly depict the County approved travel Route.

3	General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. All surface trash, debris, scrap or discarded material connected with the operations of the property shall be removed from the premises or disposed of in a legal manner.
4	Storm Water/Erosion Control	HighPoint will implement site-specific stormwater control measures in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to prevent the runoff of sediment from the pad. Control measures consisting of a berm and swale will be constructed along the west and east sides of location. A minimum two foot tall compacted berm will be constructed around the entire pad surface. Vehicle tracking controls will be utilized at the entrance/s. Cut and fill slopes will be stabilized via tracking or use of tackifier and/or temporary seeding. The topsoil stockpile will be stabilized by application of seed and straw or hydro-mulch. Sediment control logs will be placed around the topsoil stockpile on the south side of location. A detention pond with emergency spillway will be constructed on the north side of the pad surface. During active construction stormwater inspections will be conducted either weekly (May-Aug) or every two weeks and after significant precipitation events (Sept-April). After active construction and interim reclamation has been completed inspections will be conducted monthly until vegetation has been re-established on the interim reclamation area. The location will be treated for weeds as needed and regraded when necessary to maintain proper drainage.
5	Material Handling and Spill Prevention	A HighPoint Operating Corporation lease operator or representative will visit the location routinely, typically daily, and visually inspect equipment for leaks. Additionally, monthly documented leak detection and repair inspections will be conducted using an infrared (IR) camera capable of identifying leaks of hydrocarbon vapor. Any leaks discovered during these inspections will be repaired in a timely fashion, typically the same day subject to the availability of parts and other operational considerations.
6	Construction	HighPoint will install off location flowlines utilizing best management practices. Flowlines will be buried a minimum of 48" below surface.
7	Emissions mitigation	Green Completions -Separators and associated flow lines, sand traps and emission control systems shall be installed on-site to accommodate green completions techniques. When salable quality gas is achieved at each well, the gas shall be immediately directed to a sales line or shut in and conserved. If a sales line is unavailable or other conditions prevent placing the gas into a sales line, the operator shall not produce the wells without an approved variance per Rule 805.b. (3)C
8	Drilling/Completion Operations	Drilling and Completion-All loadlines shall be bullplugged or capped.
9	Drilling/Completion Operations	Operator will be utilizing a closed loop system.
10	Drilling/Completion Operations	HighPoint plans to put secondary containment around all non-fresh water fluid storage tanks on location.
11	Drilling/Completion Operations	Pit level Indicators - Active pit systems on drilling rigs will utilize a PVT (Pit Volume Totalizer) system in conjunction with an EDR (Electronic Depth Recorder) system allowing us to continuously track pit volumes, digitally record pit volumes, and set alarms to alert personnel on location when a pit gains / losses fluid. These items are standard on a 5K system which is what we are permitting for.
12	Drilling/Completion Operations	HighPoint plans to have lighting directed downward during drilling and completion operations.
13	Drilling/Completion Operations	During drilling activities, a portable or temporary rig mat shall be placed beneath the drilling rig.

Total: 13 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402465754	ACCESS ROAD MAP
402465757	FACILITY LAYOUT DRAWING
402465759	LOCATION DRAWING
402465760	LOCATION PICTURES
402465762	REFERENCE AREA MAP
402465763	REFERENCE AREA PICTURES
402465765	MULTI-WELL PLAN
402471506	WASTE MANAGEMENT PLAN
402472009	HYDROLOGY MAP
402472439	NRCS MAP UNIT DESC
402472440	NRCS MAP UNIT DESC
402472447	NRCS MAP UNIT DESC
402472485	SURFACE AGRMT/SURETY

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Return to draft per operator request.	08/26/2020
Permit	Return to draft per operator request.	08/25/2020

Total: 2 comment(s)

Public Comments

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

