

FORM
2A

Rev
08/19

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:

402034284

(SUBMITTED)

Date Received:

08/08/2019

Oil and Gas Location Assessment

☐ New Location ☐ Refile ☒ Amend Existing Location Location#: 438795

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 <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

438795

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: Matt Barber
Phone: (303) 312-8188
Fax: ()
email: mbarber@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: Jencks Farms Number: 6-61-8_5 SWSW
County: WELD
Quarter: SWSW Section: 8 Township: 6N Range: 61W Meridian: 6 Ground Elevation: 4692

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: 400 feet FSL from North or South section line
1228 feet FWL from East or West section line

Latitude: 40.496328 Longitude: -104.238353

PDOP Reading: 1.7 Date of Measurement: 03/14/2014

Instrument Operator's Name: Chad Meiers

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 COGCC application? If the local government has waived its right to precede the COGCC in siting determination, indicate by selecting "NO" here and selecting "Waived" 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: _____

The local government siting permit was filed on: _____

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

Additional explanation of local process:

On 5/29/2019, Bruce Barker, Weld County Attorney, temporarily waives it's right to have WOGLA complete prior to the COGCC acting upon Form 2 and Form 2A.

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 430817

FACILITIES

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

Wells <u>8</u>	Oil Tanks* <u>10</u>	Condensate Tanks* <u> </u>	Water Tanks* <u>2</u>	Buried Produced Water Vaults* <u> </u>
Drilling Pits <u> </u>	Production Pits* <u> </u>	Special Purpose Pits <u> </u>	Multi-Well Pits* <u> </u>	Modular Large Volume Tanks <u> </u>
Pump Jacks <u>8</u>	Separators* <u>13</u>	Injection Pumps* <u> </u>	Cavity Pumps* <u> </u>	Gas Compressors* <u> </u>
Gas or Diesel Motors* <u> </u>	Electric Motors <u> </u>	Electric Generators* <u> </u>	Fuel Tanks* <u> </u>	LACT Unit* <u>2</u>
Dehydrator Units* <u> </u>	Vapor Recovery Unit* <u>4</u>	VOC Combustor* <u>4</u>	Flare* <u> </u>	Pigging Station* <u>1</u>

OTHER FACILITIES*

<u>Other Facility Type</u>	<u>Number</u>
Automation System	1
Horizontal Treaters	2

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:

9 – 4" Gas injection
1 – 4" Water flowline
1 – 4" Oil flowline
1 – 6" gas gathering
8 – 2" Flowlines on Pad
1 - 2" Swabline

See pipeline and flowline counts above. When possible temporary water pipelines will carry water from storage tanks or water sources to well completion sites. Pipes will be made of flexible and rigid materials (plastic, aluminum and steel) generally 8" to 12" in diameter. The length will be determined by the distance to the well site to be serviced for the fracing operation. This will greatly minimize the number of truck trips required for the well completion. This location will have up to 20-500 bbl frac tanks. Frac tanks located on this pad may service completion operations being conducted on an adjacent pad location. A sundry would be submitted in the event this situation occurs. Surface owner approval would be obtained where necessary. This location will also have up to 15-300 bbl temporary tanks for drilling operations.

CONSTRUCTION

Date planned to commence construction: 05/15/2020 Size of disturbed area during construction in acres: 7.64
Estimated date that interim reclamation will begin: 03/01/2020 Size of location after interim reclamation in acres: 1.38
Estimated post-construction ground elevation: 4692

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: Recycle/reuse

Cutting Disposal: OFFSITE Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: 454282 or Document Number: _____

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

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Gwendolyn Jencks

Phone: _____

Address: 1522 64th Ave

Fax: _____

Address: _____

Email: _____

City: Greeley State: CO Zip: 80634

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 _____

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

190700489

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:	5280 Feet	5280 Feet
Building Unit:	5280 Feet	5280 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	1267 Feet	992 Feet
Above Ground Utility:	296 Feet	96 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	400 Feet	200 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: 47—Olney fine sandy loam, 1 to 3 percent slopes

NRCS Map Unit Name: 60—Shingle-Renohill complex, 3 to 9 percent slopes

NRCS Map Unit Name: _____

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: _____

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: 1751 Feet

water well: 772 Feet

Estimated depth to ground water at Oil and Gas Location 60 Feet

Basis for depth to groundwater and sensitive area determination:

Static water level of a nearby water well (permit #21184). Groundwater depth was interpolated by evaluating the Static Water Level (SWL) for 12 nearest water wells, located within 2.25 miles of the proposed location. Due to a low density of wells in the area, a larger search area was used so that more data could be included. The mean SWL for these 12 wells is 70.08 feet below the surface (Figure 1, Map 1). The variability between these well water levels is rather high and the data for the nearest and shallowest water well (SB00606119DDD1 @ 29 feet) was last measured in 1956. There is also no indication that the well exists anymore when inspecting recent imagery, making it likely that this well level can be excluded. Nevertheless, all the data from these water wells indicates that the groundwater nearest surface water is approximately 1,751 feet N of the proposed location and appears to be an ephemeral playa lake. The proposed location is not within any designated groundwater basins.

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 318A

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 This amended 2A is being submitted to add 5 newly proposed wells. in addition, the following previous approved Form 2's have been refiled:

Jencks Farms 6-61-8-6203BH2 (API #05-123-40125) - refiled - 401966890

Jencks Farms 6-61-8-6302BH2 (API #05-123-40126) - refiled - 401969022

Jencks Farms 6-61-8-6401BH2 (API #05-123-40130) – refiled - 401966921

Siting Rationale: Location falls on Gwendolyn Jencks property. It was agreed upon by HighPoint and Gwendolyn Jencks to use the COGCC approved Jencks Farms Pad 6-61-8 5 SWSW (Loc #438795) proposed location to reduce surface cumulative impacts. HighPoint is utilizing this approved pad to drill a total of 8 wells. The proposed pad disturbance remains the same as originally approved. All existing and newly drilled wells are authorized under the existing SUA. In addition, no COGCC Objective Criteria were triggered during HighPoint's review. HighPoint has also implemented new BMPs to meet SB19-181 standards.

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

Signed: _____ Date: 08/08/2019 Email: mbarber@hpres.com

Print Name: Matt Barber

Title: Regulatory

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

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Best Management Practices

No	BMP/COA Type	Description
1	Storm Water/Erosion Control	HighPoint will implement site-specific best management practices 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 protect the surface water located north of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.
2	Material Handling and Spill Prevention	HighPoint will document monthly site inspections for spills and stormwater BMPs shall be maintained during construction, drilling, and completion activities.
3	Material Handling and Spill Prevention	All of HighPoint Operating Corporation's temporary tanks and frac tanks will have secondary containment constructed from impervious material with an engineered liner to prevent the migration of production fluids into the underlying soils and groundwater.
4	Material Handling and Spill Prevention	During drilling and completion activities, a portable or temporary liner shall be emplaced beneath the equipment to protect water resources.
5	Material Handling and Spill Prevention	HighPoint's site will be graded to prevent accumulation of storm water; runoff shall be controlled with BMPs designed and implemented in accordance with good engineering practices to prevent contaminants or sediments from being transported off location.
6	Material Handling and Spill Prevention	Pigging stations shall have catchments for containing any spilled fluids. Accumulated E&P Waste shall be removed immediately upon completion of pigging operations.
7	Material Handling and Spill Prevention	Drip pans or liners will be used during equipment refueling and maintenance.
8	Material Handling and Spill Prevention	All production facilities will be constructed within lined secondary containment areas for the tanks and separators with an impervious material to prevent the downward migration of produced liquids.
9	Material Handling and Spill Prevention	Flowback and stimulation fluids from the wells being completed will be sent to tanks and/or filters to allow sand and sediment to settle out before the fluids are hauled to a state-approved disposal facility.
10	Emissions mitigation	Green Completions - Test separators and associated flow lines, sand traps and emission control systems shall be installed on-site to accommodate green completions techniques. When commercial quantities of salable quality gas are 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.
11	Material Handling and Spill Prevention	HighPoint Operating Corporation will construct secondary containment out of impervious material around ancillary tanks, drums, chemicals and liquid storage, which will include steel berms, engineered liner, and remote shut down capabilities. The secondary containment and liner will be programmed for remote shut down capabilities, which will be maintained throughout the lifetime of the wells.

Total: 11 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402138583	LOCATION DRAWING
402138608	LOCATION PICTURES
402138633	ACCESS ROAD MAP
402138635	MINERAL LEASE MAP
402138639	HYDROLOGY MAP
402138663	NRCS MAP UNIT DESC
402138697	MULTI-WELL PLAN
402138699	MULTI-WELL PLAN
402138701	NRCS MAP UNIT DESC
402140518	SURFACE AGRMT/SURETY
402140519	REFERENCE AREA PICTURES
402140520	REFERENCE AREA PICTURES
402140537	WASTE MANAGEMENT PLAN

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft per operator request.	08/12/2019

Total: 1 comment(s)

Public Comments

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

