



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: 03/05/2020 \_\_\_\_\_

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

Additional explanation of local process:

The 1041 WOGLA Application Submitted 03.05.2020 and is in process.

### 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 #
<input type="checkbox"/>	_____	_____

## FACILITIES

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

Wells	16	Oil Tanks*	24	Condensate Tanks*	_____	Water Tanks*	6	Buried Produced Water Vaults*	_____
Drilling Pits	_____	Production Pits*	_____	Special Purpose Pits	_____	Multi-Well Pits*	_____	Modular Large Volume Tanks	_____
Pump Jacks	16	Separators*	16	Injection Pumps*	_____	Cavity Pumps*	_____	Gas Compressors*	_____
Gas or Diesel Motors*	_____	Electric Motors	_____	Electric Generators*	_____	Fuel Tanks*	_____	LACT Unit*	3
Dehydrator Units*	_____	Vapor Recovery Unit*	8	VOC Combustor*	6	Flare*	_____	Pigging Station*	1

## OTHER FACILITIES\*

### Other Facility Type

### Number

Automation System	1
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\*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:

16 – 4"-2" Gas injection  
1 – 4" Water  
2 – 4" Oil  
1 – 6" gas gathering  
15 – 3" Flowlines on Pad

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: 08/15/2020 Size of disturbed area during construction in acres: 11.70  
Estimated date that interim reclamation will begin: 02/15/2021 Size of location after interim reclamation in acres: 6.20  
Estimated post-construction ground elevation: 5382

## DRILLING PROGRAM

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

Is H<sub>2</sub>S 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:

Please see Waste Management Plan attached

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: Lloyd Farms Phone: \_\_\_\_\_

Address: 66732 WCR 87 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 04/02/2019

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

180700558

180700579

## 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:	398 Feet	598 Feet
Above Ground Utility:	372 Feet	572 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	404 Feet	604 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: 4—Ascalon fine sandy loam, 0 to 6 percent slopes

NRCS Map Unit Name: \_\_\_\_\_

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: 08/17/2018

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: 778 Feet

water well: 4823 Feet

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

Basis for depth to groundwater and sensitive area determination:

This area was marked sensitive as it is in the Upper Crow Creek Designated Basin. Depth to groundwater was determined from the closest water well, Permit Number 109484--A.

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: No

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 Randall Creek 31-0164B is the reference well used for the location identification. The distances for the cultural setbacks were provided from the nearest proposed well and production facility on the pad.

This will be a multi pad well with 16 wells

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ 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	Four-strand barbed wire will be installed around the perimeter of location. In addition, cattle guards will be set at the entrance of location as well as off of CR 136. These will remain in place throughout the interim reclamation process.
2	Traffic control	All Traffic Plans are approved per our Road Maintenance Agreement with Weld County as part of the COA attached to the WOGLA permit.
3	General Housekeeping	Trash Removal: All trash, debris and material not intrinsic to the operation of the oil and gas facility shall be removed and legally disposed of as applicable.
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 perimeter berm and ditch flowing to a sediment trap(s) will be implemented along the western, northern, and eastern edges of the spoils and topsoil stockpiles. Cut and fill slopes will be stabilized via tracking or use of tackifier. During active construction stormwater inspections will be conducted either weekly (May-Aug) or every two weeks and after significant precipitation events the (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.
5	Storm Water/Erosion Control	Herbicides or other measures such as mowing will be utilized to manage vegetative growth on location and propagation of non-native species in reclaimed areas. Location will be regraded when necessary to maintain proper drainage.
6	Storm Water/Erosion Control	Drip pans or liners shall be used during equipment refueling and maintenance.

7	Material Handling and Spill Prevention	A HighPoint Operating Corporation lease operator or representative will visit the location routinely, typically daily, and visually inspect all tanks and process 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.
8	Material Handling and Spill Prevention	Tanks will be designed, constructed and maintained in accordance with applicable industry standards such as API 12F and NFPA Code 30. All storage tanks will be placed inside lined secondary containment. HighPoint will be using remote monitoring and shut-in for this location.
9	Material Handling and Spill Prevention	All containment areas will be inspected following heavy rain events. Excessive precipitation accumulation within secondary containment that materially impacts storage capacity of the containment structure will be removed as and discharged or disposed of properly. All structural berms, dikes, and containment will be inspected periodically to ensure they are functioning as designed.
10	Dust control	To prevent dust from becoming a nuisance to the public, water trucks will be utilized to spread water across any dust problem areas.
11	Construction	<ul style="list-style-type: none"> <li>• 5,000 psi rated flanged wellhead to lubricator. Wellhead tree companion flanged to double XH fittings, schedule 80 pipe. Rated to 3,000 psi.</li> <li>• 3,000 psi, schedule 80, connection to separator.</li> <li>• 250 psi MAWP minimum, horizontal separator. All separators are internally coated and fitted with sacrificial anodes for corrosion protection.</li> <li>• All separators are fitted with appropriately sized PSVs, and high pressure transducer/solenoid shutdowns. ESD valve is a pneumatic kimray valve (fail close), so loss of power does not impact ESD functionality.</li> <li>• Secondary static pressure shutdown tied to gas meter pressure transducer.</li> <li>• Separator dog house gas scrubbers are fit with PSVs</li> <li>• Water dump lines are carbon FP-150 steel flex steel (or flex pipe) with nickel coated fittings.</li> <li>• Any carbon steel flanged connections are above ground.</li> <li>• Water and oil lines dump into oil/water tanks above ground. All storage tanks (including water) are above ground inside of containment.</li> <li>• All storage tanks are contained within a berm that is lined with a double poly liner. All tanks are internally coated and fitted with internal sacrificial anodes. All storage tanks are fit with PRVs and ECD pressure relief.</li> <li>• Locations are monitored and visually inspected daily by lease operator.</li> <li>• All produced water lines exiting the facility are rated to 300 psi and are fit to the same below ground specs as noted above.</li> </ul>
12	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 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.
13	Odor mitigation	Vapor control equipment will be installed to capture and combust all vapors emanating from storage tanks during normal operations. The facility will be equipped with a LACT unit and remote tank liquid level sensors such that tank hatches will not need to be opened during normal operations. The facility will be equipped with vapor capture systems to capture and control tank truck emissions during hydrocarbon loading activities. Hydrocarbon odors from production facilities are minimized and eliminated by keeping produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks and combustors. All tanks will be sealed with thief hatches and gaskets. Tank vapors are captured with properly sized piping and combustors.
14	Drilling/Completion Operations	Operator will be utilizing a closed loop system.
15	Drilling/Completion Operations	Operator will have drilling mats at this operation due to sensitive water area.

Total: 15 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2479329	WASTE MANAGEMENT PLAN
401976837	FORM 2A SUBMITTED
402300110	FORM 2A REJECTED
402326163	WASTE MANAGEMENT PLAN
402326258	LOCATION DRAWING
402326262	NRCS MAP UNIT DESC
402326263	MINERAL LEASE MAP
402326270	ACCESS ROAD MAP
402326272	MULTI-WELL PLAN
402326285	CONST. LAYOUT DRAWINGS
402326311	SURFACE AGRMT/SURETY
402332447	HYDROLOGY MAP
402341704	LOCATION PICTURES

Total Attach: 13 Files

SUBMITTED

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA (Rejected)	<p>OGLA Staff conducted a Technical Review of the Randall Creek 30 SW Form 2A (Doc 401976837) and the form meets rejection criteria for the following reasons:</p> <ol style="list-style-type: none"> <li>1. LOCATION PICTURES (Doc #401977934) show the corner #1, proposed access, stakes and vegetation; however, the first three pictures are taken to the north and the fourth picture is taken facing east. There are no pictures showing the Location facing south or west. A minimum of four Location pictures taken in each of the cardinal directions is required.</li> <li>2. REFERENCE AREA MAP (Doc #4010977936) appears to be in an area shown on the COGIS website used as cropland; hay meadow or improved pasture. If the final land use includes residential, industrial/commercial, or cropland (including improved pasture) and does not include any other uses, the land use should be indicated and no further information is needed. Remove the Reference Area Map and change the check boxes under the Land Use tab.</li> <li>3. REFERENCE AREA PICTURES (Doc #410977938) show a hay meadow or improved pasture. The Land Use is clearly Crop land, likely either Hay Meadow or Improved Pasture based on aeriels. Land Use tab should not indicate Rangeland. The Reference Area Map &amp; Reference Area Pictures are not necessary and the Land Use section should be corrected</li> <li>4. HYDROLOGY MAP (Doc #401977945): Static Water Level = 0. This should say 60 ft.</li> <li>5. WASTE MANAGEMENT PLAN (Doc #2479329): Krier #4 West Spreadfield (active) Need to update Page 2 to change the date from 2019 to 2020</li> <li>6. Rewrite the BMPs to be site specific and separated as to their type and function. The BMPs need to be clear and concise and address specific site conditions pertaining to stormwater/erosion control, material handling/spill prevention, construction, traffic control, dust control, noise mitigation, emissions mitigation, odor mitigation, etc.</li> </ol>	01/31/2020
OGLA	Operator provided an updated Waste Management Plan attachment.	12/17/2019
LGD	<p>This proposed oil and gas location is situated in the Agricultural Zone District of unincorporated Weld County. A Weld Oil and Gas Location Assessment (WOGLA) is required prior to constructing any improvements related to oil and gas exploration and production.</p> <p>At the time of this comment, the operator HAS NOT noticed the Weld County LGD of their intent to apply for a WOGLA.</p> <p>A building permit is required for the production facilities (tank battery, separators, pump jacks, compressors, generators, etc.) from the Department of Planning Services. Access points from County roads require an Access Permit from the Department of Public Works, which includes any necessary traffic control plans and Improvement Agreements. The use of County right-of-way requires a permit from the Department of Public Works.</p> <p>Jason Maxey, Weld Oil/Gas Specialist and LGD 970-400-3579</p>	04/15/2019
Permit	Passed completeness.	03/28/2019

Total: 4 comment(s)

**Public Comments**

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

