

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:

401976837

Date Received:

03/13/2020

Oil and Gas Location Assessment

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

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:

476065

Expiration Date:

04/29/2023

☒ 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: Randall Creek Number: 30 SW

County: WELD

QuarterQuarter: SWSW Section: 30 Township: 12N Range: 62W Meridian: 6 Ground Elevation: 5384

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: 404 feet FSL from North or South section line

1272 feet FWL from East or West section line

Latitude: 40.974455 Longitude: -104.367059

GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 08/17/2018

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 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: 09/11/2019

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

Additional explanation of local process:

The 1041 WOGLA19-0019 Application Submitted 09/11/2019 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 #



FACILITIES

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

| | | | | | | | | | |
|-----------------------|-----------------|----------------------|-----------------|----------------------|-----------------|------------------|-----------------|-------------------------------|-----------------|
| Wells | <u>16</u> | Oil Tanks* | <u>24</u> | Condensate Tanks* | <u> </u> | Water Tanks* | <u>6</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>16</u> | Separators* | <u>16</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>3</u> |
| Dehydrator Units* | <u> </u> | Vapor Recovery Unit* | <u>8</u> | VOC Combustor* | <u>6</u> | Flare* | <u> </u> | Pigging Station* | <u>1</u> |

OTHER FACILITIES*

| Other Facility Type | Number |
|---------------------|--------|
|---------------------|--------|

| | |
|-------------------|----------|
| Automation System | <u>1</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:

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 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:

Please see Waste Management Plan 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: 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 04/09/2019

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: | 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: _____

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 zone: No

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

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

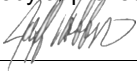
| | |
|----------|--|
| Comments | <p>This will be a multi pad well with 16 wells. The Randall Creek 31-0164B is the reference well used for the location identification. The distances for the cultural setbacks were provided from the nearest proposed well and production facility on the pad.</p> <p>Operator prepared an emergency action plan that was required to be reviewed and approved by the local fire districts as part of the WOGLA process. The plan is included within the WOGLA application and is required to be approved before a WOGLA is approved.</p> <p>Operator has obtained a Certification to Discharge under CDPHE WQCD Construction Stormwater Discharge Permit System (CDPS) General Permit COR400000 (Certification # COR401672). Operator will develop and implement a Stormwater Management Plan (SWMP) for construction stormwater discharges in compliance with its permit requirements for this location.</p> <p>Operator will construct secondary containment around oil tanks, drums, and storage areas to prevent the discharge to surface waters. General containment, such as a perimeter berm, will also be constructed. Operator will develop and will implement a Spill Prevention, Control and Countermeasure (SPCC) Plan in accordance with 40 CFR Part 112 for this facility.</p> |
|----------|--|

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

Signed: _____ Date: 03/13/2020 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: 4/30/2020

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 a Road Maintenance Agreement with Weld County as part of the COA attached to the WOGLA permit. 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 | 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 a week after cessation of drilling and completion activities. |

| | | |
|----|--|---|
| 4 | Storm Water/Erosion Control | <p>Operator will implement site-specific stormwater control measures in accordance with good engineering practices, including, limiting the disturbed area during construction of pad, access road, and facilities. Control measures/BMPs will include, but are not limited to, construction of a ditch and berm or diversion dike, site grading, erosion control blankets, wattles, check dams, sediment traps or other comparable measures, sufficient to prevent impacted stormwater runoff, erosion of sediment, transport of sediment from the pad. Control measures consisting of a perimeter berm and ditch flowing to sediment trap(s) will be implemented along the western, northern, and eastern edges of the spoils and topsoil stockpiles.</p> <p>Cut and fill slopes will be temporarily 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).</p> |
| 5 | Storm Water/Erosion Control | <p>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.</p> <p>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.</p> |
| 6 | Material Handling and Spill Prevention | <p>Drip pans or liners shall be used during equipment refueling and maintenance. Tanks will either be placed in galvanized metal containment structures, plastic containment structures, or lined (30 mil HDPE) containment with walls constructed of steel. Separators will not have sized secondary containment structures but Operator will provide general secondary containment via an earthen perimeter berm.</p> |
| 7 | Material Handling and Spill Prevention | <p>A 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.</p> |
| 8 | Material Handling and Spill Prevention | <p>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.</p> <p>The production facility will have full remote monitoring and shutdown functionality built into the SCADA system on-site. Operator will have the ability to remotely initiate a facility wide ESD if necessary.</p> |
| 9 | Material Handling and Spill Prevention | <p>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 and discharged or disposed of properly. All structural berms, dikes, and containment will be inspected at least weekly to ensure they are functioning as designed.</p> |
| 10 | Dust control | <p>To prevent dust from becoming a nuisance to the public, water trucks will be utilized to spread water across any dust problem areas.</p> <p>Operator will work in conjunction with the County to maintain dust control on unpaved roads along the designated haul route during periods of heavy traffic.</p> |

| | | |
|----|--------------------------------|---|
| 11 | Construction | <p>The construction of production facility which has flowlines and pipelines associated with proposed pad will include the below items:</p> <ul style="list-style-type: none"> • 5,000 psi rated flanged wellhead to lubricator. Wellhead tree companion flanged to double XH fittings, schedule 80 pipe. Rated to 3,000 psi. • 3,000 psi, schedule 80, connection to separator. • 250 psi MAWP minimum, horizontal separator. All separators are internally coated and fitted with sacrificial anodes for corrosion protection. • 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. • Secondary static pressure shutdown tied to gas meter pressure transducer. • Separator dog house gas scrubbers are fit with PSVs • Water dump lines are carbon FP-150 steel flex steel (or flex pipe) with nickel coated fittings. • Any carbon steel flanged connections are above ground. • Water and oil lines dump into oil/water tanks above ground. All storage tanks (including water) are above ground inside of containment. • 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. • Locations are monitored and visually inspected daily by lease operator. • All produced water lines exiting the facility are rated to 300 psi and are fit to the same below ground specs as noted above. |
| 12 | Emissions mitigation | <p>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.</p> |
| 13 | Odor mitigation | <p>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.</p> <p>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.</p> |
| 14 | Drilling/Completion Operations | <p>Operator will be utilizing a closed loop system. Operator will use water-based bentonitic drilling fluids. Drill cuttings will be put to beneficial reuse by hauling to an approved spread field offsite. Disposal and beneficial reuse methods will comply with COGCC regulations, policy, and guidance. 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 offsite for disposal. Temporary frac tanks on location will have proper secondary containment such as a perimeter berm around the location or around the tanks.</p> |
| 15 | Drilling/Completion Operations | <p>Operator will have drilling mats at this operation due to Location being in a sensitive water resources area.</p> |

Total: 15 comment(s)

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------------------|
| 1347785 | OBJECTIVE CRITERIA REVIEW MEMO |
| 401976837 | FORM 2A RESUBMITTED |
| 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 |
| 402326311 | SURFACE AGRMT/SURETY |
| 402332447 | HYDROLOGY MAP |
| 402341704 | LOCATION PICTURES |

Total Attach: 12 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|---|---------------------|
| Final Review | Corrected Reuse Facility ID# to match that on Waste Mgmt Plan with operator concurrence. Final Review Complete - no additional revisions necessary | 04/30/2020 |
| Permit | Removed docket numbers - DSUs are approved. 8 wells planned to drill south utilize DSU 421-122. 8 wells planned to drill north utilize DSU 421-112. | 04/30/2020 |
| OGLA | The Objective Criteria Review Memo (Doc#1347785) is attached to this Form 2A. Following additional analysis arising out of the Objective Criteria, the Director determined that this application meets the standard for the protection of public health, safety, welfare, the environment, and wildlife resources set by SB 19-181. | 04/29/2020 |
| OGLA | Operator concurred with unchecking the native grassland box under the Soils and Plant Community tab since the landowner determined that the surface is CRP land. Operator provided additional information or concurrence on 4/29/2020: - Land use is CRP. Therefore, operator concurs with deleting the plant community information on the Soils & Plant Community tab. - Operator concurs with adding the WOGLA permit information to the Location Identification tab. - Operator confirmed that the County check box should be checked for Floodplain Data Sources Reviewed on the Water Resources tab. | 04/29/2020 |
| OGLA | COGCC Staff conducted its technical review of this Form 2A Oil and Gas Location Assessment within the context of SB19-181. This Form 2A meets Objective Criteria #5.c. Sensitive Area for Water Resources and Objective Criteria #8 Oil and Gas Location with Hydrocarbon/Produced Fluid Storage in more than 18 tanks or in excess of 5,200 barrels. | 04/14/2020 |

| | | |
|-----------------|--|------------|
| LGD | <p>This proposed oil and gas location is situated in the Agricultural Zone District of unincorporated Weld County. A 1041 Weld Oil and Gas Location Assessment (WOGLA) is required prior to constructing any improvements related to oil and gas exploration and production.</p> <p>The operator has applied for a WOGLA, and their application is under review. This application has been assigned the file number 1041WOGLA19-0019. All application files are viewable online through Weld County's E-Permit Center.</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 Director, Oil Gas Energy Department and LGD 970-400-3580</p> | 03/30/2020 |
| Permit | Public comment period extended until April 6, 2020 due to technical issues in the public comment system March 28 and 29, 2020. | 03/30/2020 |
| OGLA | <p>OGLA updated Form 2A with Operator provided additional information or concurrence to update BMPs:</p> <ul style="list-style-type: none"> - Stormwater/Erosion Control BMPs more site specific and retained elements from older BMP that were site specific or provided additional information. - Move references for preparation and implementation of other agency required plans and regulations to the comment box of the Submit tab. - Provide lead-in sentence to define BMP for pipelines and Production Facility construction. | 03/24/2020 |
| OGLA | <p>Operator provided additional updated information following additional discussion with Staff:</p> <ul style="list-style-type: none"> - Replace email address under Consultation and Contact Info tab. - Add to BMP #8 that Production Facility will have full remote monitoring and shutdown functionality built into the SCADA system on-site. Operators will have the ability to remotely initiate a facility wide ESD if necessary. - For BMP #3 Trash Removal: Drilling and Completions stated a week after cessation is a reasonable timeline. - For BMP #2 Operator will work in association 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. - Moved to BMP #10 Dust Control: Operator will work in conjunction with the County to maintain dust control on unpaved roads along the designated haul route during periods of heavy traffic. | 03/19/2020 |
| OGLA | <p>Passed Completeness.</p> <p>Operator Resubmitted Form 2A with revised attachments and information following Form 2A Rejection:</p> <ol style="list-style-type: none"> 1) LOCATION PICTURES attached show the four cardinal directions including south and west. 2) REFERENCE AREA MAP was removed since Location is on Cropland. 3) REFERENCE AREA PICTURES were removed since Location is on Cropland. Revised Land Use tab to CRP Land. 4) HYDROLOGY MAP - revised to indicated static water level was 60 ft. 5) WASTE MANAGEMENT PLAN - confirmed revised date that waste would be applied in 2020. 6) Operator provide revised BMPs and additional updated information following additional discussion with Staff: | 03/16/2020 |
| Permit | Checked "this location assessment is included as part of a permit application" per operator request. | 03/13/2020 |
| OGLA (Rejected) | <p>OGLA Staff conducted a Technical Review of the Randall Creek30 SW Form 2A (Doc 401976837) and the form meets rejection criteria for the following reasons:</p> <ol style="list-style-type: none"> 1. LOCATION PICTURES (Doc #401977934) show the corner #1, proposed access, stakes | 01/31/2020 |

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| | <p>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.</p> <p>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.</p> <p>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 aerials. Land Use tab should not indicate Rangeland. The Reference Area Map & Reference Area Pictures are not necessary and the Land Use section should be corrected</p> <p>4. HYDROLOGY MAP (Doc #401977945): Static Water Level = 0. This should say 60 ft.</p> <p>5. WASTE MANAGEMENT PLAN (Doc #2479329): Krier #4 West Spreadfield (active) Need to update Page 2 to change the date from 2019 to 2020</p> <p>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.</p> | |
| 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: 15 comment(s)