

FORM
2A

Rev
04/18

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:

401606721

(SUBMITTED)

Date Received:

07/02/2018

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

Location ID:

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: 10687
Name: ELEVATION MIDSTREAM LLC
Address: 370 17TH ST SUITE 5300
City: DENVER State: CO Zip: 80202

Contact Information

Name: Matthew Eyser
Phone: (720) 974-7793
Fax: ()
email: matthew.eyser@elevation-midstream.com

FINANCIAL ASSURANCE

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

LOCATION IDENTIFICATION

Name: BADGER CGF Number: _____
County: WELD
QuarterQuarter: NE4 Section: 30 Township: 1N Range: 67W Meridian: 6 Ground Elevation: 5100
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: 649 feet FNL from North or South section line
1636 feet FEL from East or West section line
Latitude: 40.028522 Longitude: -104.926667
PDOP Reading: 1.2 Date of Measurement: 03/22/2018
Instrument Operator's Name: Michael Fontenot

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:

Production Facilities Location serves Well(s)

LOCATION ID

FORM 2A DOC

	401477008
	401525931
319094	
	401524113
	401477000
	401524109

FACILITIES

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

Wells	Oil Tanks*	1	Condensate Tanks*	7	Water Tanks*	2	Buried Produced Water Vaults*	
Drilling Pits	Production Pits*		Special Purpose Pits		Multi-Well Pits*		Modular Large Volume Tanks	
Pump Jacks	Separators*	9	Injection Pumps*		Cavity Pumps*		Gas Compressors*	
Gas or Diesel Motors*	Electric Motors	46	Electric Generators*		Fuel Tanks*	1	LACT Unit*	3
Dehydrator Units*	Vapor Recovery Unit*	6	VOC Combustor*	1	Flare*		Pigging Station*	6

OTHER FACILITIES*

Other Facility Type

Number

Electric Compressor	10
Flash Drums	7
Heater Treater	7
Miscellaneous Tanks	7
Pumps	29

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:

Initial Pipelines:

Oil Gathering Pipeline: size: 12", material: steel, code: B31.4; Water Gathering Pipeline: size: 8", material: FlexSteel, code: B31.4; Fuel Gas Line from CS: size: 4", material: steel, code: B31.3; LP gas from CGF to CS: size: 10", material: steel, code: B31.3

Future Pipelines:

Oil Gathering Pipeline: size: 12", material: steel, code: B31.4; Water Gathering Pipeline: size: 8", material: FlexSteel, code: B31.4; Water Gathering Pipeline: size: 8", material: FlexSteel, code: B31.4

CONSTRUCTION

Date planned to commence construction: 08/01/2019 Size of disturbed area during construction in acres: 77.26
Estimated date that interim reclamation will begin: 06/16/2020 Size of location after interim reclamation in acres: 69.49
Estimated post-construction ground elevation: 5100

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: No

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: Commercial Disposal

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: 455012

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Elevation Midstream, LLC

Phone: 720-557-8300

Address: 370 17th Street, Suite 5300

Fax: _____

Address: _____

Email: kevin.williams@elevation-midstream.com

City: Denver State: CO Zip: 80202

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: No

The right to construct this Oil and Gas Location is granted by: applicant is owner

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

Date of Rule 306 surface owner consultation _____

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:	Feet 568	Feet 568
Building Unit:	Feet 5280	Feet 5280
High Occupancy Building Unit:	Feet 345	Feet 396
Designated Outside Activity Area:	Feet 5280	Feet 5280
Public Road:	Feet 327	
Above Ground Utility:		
Railroad:		
Property Line:		

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, and Designated Outside Activity Area - as defined in 100-Series Rules.

- For measurement purposes only, Production Facilities should only include those items with an asterisk(*) on the Facilities Tab.

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: 05/21/2018

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 (onl 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.

Elevation Midstream's proposed development is within the Buffer Zone Designated Setback Location. Alternative locations were evaluated and according to the geotechnical survey conducted, the subject location was deemed the best option. At the proposed location, wetlands and powerlines are avoided. Due to the size of the project, the site was strategically placed as close to the parcel boundary as possible, while maintaining an appropriate distance to adjacent land owners, in order to preserve the remaining land for future use. Additionally, the proposed layout allows for the higher-pressure processing equipment (bulk separators, heater treaters, etc.) to be furthest from any homes.

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 - Aquolls and Aquepts, flooded, 82/83 - Wiley-Map unit: Colby complex, 1 to 3/3 to 5 percent slope

NRCS Map Unit Name: 42 - Nunn clay loam, 1 to 3 percent slopes, 82 - Wiley-Colby complex, 1 to 3 percent slopes

NRCS Map Unit Name: 83—Wiley-Colby complex, 3 to 5 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: _____.

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: 1600 Feet

water well: 1542 Feet

Estimated depth to ground water at Oil and Gas Location 5 Feet

Basis for depth to groundwater and sensitive area determination:

Borings performed during hydrological assessment as well as geotechnical surveys.
Water well Permit No. 44023-F

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 N/A

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 Please refer to the "Other" attachment for a complete list of contributing wells/locations that do not yet have an assigned location number with the COGCC.

This facility is being submitted in conjunction with OGLA Doc #401606738 and Form 28, ID #455012.

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

Signed: _____ Date: 07/02/2018 Email: blamond@extractionog.com

Print Name: Bonnie Lamond Title: Regulatory Analyst

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders 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	Community Outreach and Notification	For any planned activities on the site, a letter and/or email will be sent to all adjacent neighbors letting them know about the activity, schedule, and contact for any questions.
2	Traffic control	604.c.(2)S. Access Roads: The access road will be constructed to accommodate local emergency vehicles. This road will be maintained for access at all times. There will be traffic during the construction phase of the project and we will keep all trucks on CR13 and CR6, both of which are paved roads.
3	Traffic control	604.c.(2)D. If required by the local government, a traffic plan will be coordinated with Weld County prior to commencement of operations. Any subsequent modifications to the traffic plan will also be coordinated with Weld County.
4	General Housekeeping	803. Elevation will keep lights focused downward and will use a warm, yellow color bulb versus a cool, bluer color bulb. Lighting during the construction phase of the project will be minimal as we will not be working during night hours.
5	General Housekeeping	A preliminary site specific safety and evacuation plan will be prepared prior to facility operation and is contained in the Fire Protection Plan. This plan shall include directions to the site, emergency contact information, and designated muster points. An Emergency Shutdown Plan showing the location of all emergency isolation valves, ESD switches and fire extinguishers will be prepared prior to facility operation and will be kept on site thereafter. This plan will be incorporated into start-up and commissioning training for the facility.
6	General Housekeeping	604.c(2)M. Location will be adequately fenced to restrict access by unauthorized persons
7	General Housekeeping	604.c.(2)P. 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

8	Material Handling and Spill Prevention	A complete SPCC plan will be developed for the CGF and submitted to COGCC within six (6) months of commissioning and start-up of the facility.
9	Material Handling and Spill Prevention	Elevation requires an Emergency Preparedness and Emergency Response Plans (ERP) be in place. These plans are kept current and are supported by training and resources to ensure decisive and effective incident response. A current copy of the Emergency Notification Chart for the CGF will be kept on-site with the Notification and Activation section of the Emergency Response Plan
10	Material Handling and Spill Prevention	604.c.(2)F. Leak Detention Plan: Operator will monitor production facilities weekly at a minimum to a maximum of daily to identify fluid leaks, including, but not limited to, visually inspecting all wellheads, tanks and fittings. Additionally annual SPCC inspections will be conducted and documented. Annual flowline testing will also occur according to COGCC Rules 1101 and 1102. Inspection and record retention of flowline testing will be in accordance per COGCC regulation. All records will be made available to the COGCC upon request.
11	Material Handling and Spill Prevention	604.c.(2).G. Tank berms will be constructed of steel rings with a synthetic or engineered liner and designed to contain 150% of the capacity of the largest tank. All berms will be visually checked weekly at a minimum to a maximum of daily to ensure proper working condition. Secondary containment devices shall be sufficiently impervious to contain any spilled or released material. No potential ignition sources shall be installed inside the secondary containment area unless the containment area encloses a fired vessel.
12	Material Handling and Spill Prevention	604.c.(2).O. Loadlines will be bull plugged or capped.
13	Material Handling and Spill Prevention	604.c.(2)R Tanks will be designed, constructed and maintained in accordance with NFPA Code 30 (2008 version). All tanks are visually inspected by the operator weekly at a minimum to a maximum of daily and annual SPCC inspections will be conducted and documented. Inspection and record retention of tank inspections will be in accordance per SPCC regulation. All records will be made available to the COGCC upon request.
14	Dust control	805. Elevation plans to mitigating dust by spraying a fine mist of water that will prevent dust from becoming airborne and blowing toward our adjacent neighbors. The landscaping on the property will also assist in preventing soil erosion.
15	Construction	604.c.(2)N. Control of fire hazards. Any material not in use that might constitute a fire hazard shall be removed a minimum of twenty-five (25) feet from tanks and separators. Any electrical equipment installations inside the bermed area shall comply with API RP 500 classifications and comply with the current national electrical code as adopted by the State of Colorado.
16	Noise mitigation	604.c.(2)A. Soil berms and trees strategically planted using data gleaned from a sound study will be main methods of sound mitigation. Most equipment that could emit noise, including compressors and their electric motors, will be enclosed in a sound buffering structure.

Total: 16 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401606721	FORM 2A SUBMITTED
401629449	OTHER
401629453	HYDROLOGY MAP
401629636	NRCS MAP UNIT DESC
401629639	FACILITY LAYOUT DRAWING
401688216	OTHER
401736607	LOCATION PICTURES
401736622	PRE-APPLICATION NOTIFICATION CERTIFICATION
401736650	WASTE MANAGEMENT PLAN
401736678	ACCESS ROAD MAP
401736679	LOCATION DRAWING

Total Attach: 11 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

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

