

FORM  
2A

Rev  
08/13

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:

401092732

Date Received:

12/06/2016

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:

**449244**

Expiration Date:

**02/14/2020**

☒ 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: 10518

Name: EDGE ENERGY LLC

Address: 621 17TH STREET SUITE 1401

City: DENVER State: CO Zip: 80293

Contact Information

Name: Lauren Walsh

Phone: (720) 359-1555

Fax: ( )

email: lwalsh@progressivepcs.net

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20160056

☐ Gas Facility Surety ID: \_\_\_\_\_

☐ Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Judy

Number: 34-P

County: WELD

QuarterQuarter: SWSW Section: 34 Township: 1N Range: 65W Meridian: 6 Ground Elevation: 5139

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: 600 feet FSL from North or South section line

1015 feet FWL from East or West section line

Latitude: 40.002200 Longitude: -104.655930

PDOP Reading: 3.0 Date of Measurement: 07/27/2016

Instrument Operator's Name: Jim Rieb

## 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>3</u>	Oil Tanks*	<u>3</u>	Condensate Tanks*	<u>      </u>	Water Tanks*	<u>1</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>1</u>
Pump Jacks	<u>      </u>	Separators*	<u>3</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>      </u>
Dehydrator Units*	<u>      </u>	Vapor Recovery Unit*	<u>      </u>	VOC Combustor*	<u>3</u>	Flare*	<u>      </u>	Pigging Station*	<u>      </u>

## OTHER FACILITIES\*

Other Facility Type

Number

Gas Meter Run	<u>3</u>
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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:

2" and/or 3" Schedule 40 steel flowlines, carrying oil, gas, and water from wellheads to production equipment and sales.

## CONSTRUCTION

Date planned to commence construction: 03/01/2017 Size of disturbed area during construction in acres: 5.10  
Estimated date that interim reclamation will begin: 09/01/2017 Size of location after interim reclamation in acres: 2.80  
Estimated post-construction ground elevation: 5139

## 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: 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:       

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Harry Phone: Judy

Address: 3914 Sequoia

Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

City: Lee's Summit State: MO Zip: 60464

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: Surface Use Agreement

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

Date of Rule 306 surface owner consultation 10/27/2015

### 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:	992 Feet	889 Feet
Building Unit:	992 Feet	1074 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	584 Feet	680 Feet
Above Ground Utility:	1173 Feet	1053 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	277 Feet	270 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, 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: 09/09/2016

## 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.

The surface location was chosen due to large area of dense subdivisions within 1N-65W, Section 3. Edge Energy made rigorous field contact attempts to nearby surface owners and was unable to come to agreement to acquire surface locations for other parties surrounding Section 3. The proposed wellsite situated in the SWSW of Section 34, 1N-65W in the center portion of the Qtr/Qtr to minimize disturbance on existing cropland per the request of the surface owner, as well as to gain as much distance from building units near the proposed pad.

Based on our interpretation of the subsurface geology of section 3, the preferred orientation to drill is in a north to south direction. This is to maximize the placement of the horizontal section within the target window(s) across the structural dip and fault locations. Having a surface location in the S2S2 of Section 34, 1N-65W allows the wellbore to enter the target window in the best position and stay in it for the entire length of the horizontal.

## 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: 73—Vona loamy sand, 3 to 5 percent slopes

NRCS Map Unit Name: 74—Vona loamy sand, 5 to 9 percent slopes

NRCS Map Unit Name: 5—Ascalon sandy loam, 0 to 3 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: 370 Feet

water well: 895 Feet

Estimated depth to ground water at Oil and Gas Location 80 Feet

Basis for depth to groundwater and sensitive area determination:

Nearest Down-gradient water feature is the ditch and the depth to ground water. Nearest water well measured to Permit #68968-F-, Depth to ground water estimated from near by water wells (53138, 53138-A, 231660)

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

## 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 distance to property line was measured from the edge or disturbance. Tanks will be located greater than 1.5 times the diameter of tank to the property line.  
Edge plans to place (1) 18,000 bbl temporary large volume above ground tanks on this location for approximately 8- days for the purpose of completing the associated pad wells. The manufacturer, Rockwater Energy Solutions Design Package and Edge Energy LLC Contingency Plan are available at Edge's offices.  
The Reference well is Judy 34-3-7, Measurements were made from this well.

Temporary tanks will be used for water during flowback. Edge will not plumb temporary tanks into its permanent facilities and will have secondary containment.

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

Signed: \_\_\_\_\_ Date: 12/06/2016 Email: lwalsh@progressivepcs.net

Print Name: Lauren Walsh 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: 2/15/2017

### **Surface Owner Information**

Owner Name	Address	Phone	Fax	Email
Harry	3914 Sequoia	Judy		
	Lee's Summit, MO 60464			
Jeffrey Lee	3914 Sequoia	Judy		
	Lee's Summit, MO 60464			
Jennifer L.	3914 Sequoia	Harrison		
	Lee's Summit, MO 60464			

3 Surface Owner(s)

### **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**

	The Approved Form 2A permit will be posted at the location during construction, drilling, and completions operations.
	Form 2A is being rejected per Operator request. Operator is changing the well count, which will require three or more attachments to be replaced, meeting the COGCC rejection policy for the Form 2A.

### **Best Management Practices**

No	BMP/COA Type	Description
1	Planning	<p>Rule 604.c(2)M. Fencing: A meeting with the surface owner will determine a fencing plan.</p> <p>Rule 804. Visual Impacts: All long term facility structures will be painted a color that enables the facilities to blend in with the natural background color of the landscape, as seen from a viewing distance and location typically used by the public. Maintain appearance with garbage clean-up; a trash bin will be located on site to accumulate waste by the personnel drilling the wells. Site will have unused equipment, trash and junk removed immediately.</p> <p>Rule 604.c(2)N. Control of fire hazards: All material that is considered a fire hazard shall be a minimum of 25' from the wellhead tanks or separators. Electrical equipment shall comply with API IRP 500 and will comply with the current national electrical code.</p>
2	Traffic control	<p>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. Traffic will be routed to minimize local interruption. Dust control measures will also be utilized. The nearby Building Unit Owner's property access road will not be used by Edge Energy or any companies contracted by Edge Energy. Edge will post an appropriate sign indicating that the nearby BUO driveway is a private road and that no turn-around will be allowed by Edge personnel or its contractors.</p> <p>604.c(2)D: If required by the local government, a traffic plan shall be coordinated with the local jurisdiction prior to commencement of move in and rig up. Any subsequent modification to the traffic plan must be coordinated with the local jurisdiction.</p>
3	Traffic control	Edge has retained the services of third party contractor to manage traffic control operations. Edge and its traffic control contractor will coordinate with Weld County and Adams county LGDs and county highway departments to provide traffic control plans and acquire the necessary clearances to implement traffic control.
4	General Housekeeping	Rule 604.c(2)P. 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.
5	Storm Water/Erosion Control	Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the construction of any pipeline(s).
6	Material Handling and Spill Prevention	Rule 604.c(2)F. Leak Detention Plan: Pumper will visit the location daily and visually inspect all tanks and fittings for leaks. Additionally, monthly documented SPCCP inspections are conducted pursuant to 40 CFR 112.
7	Dust control	Rule 805.c. - Operator shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, regular road maintenance, restriction of construction activity during highwind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Additional management practices such as road surfacing, wind breaks and barriers, or automation of wells to reduce truck traffic may also be required if technologically feasible and economically reasonable to minimize fugitive dust emissions.



8	Construction	<p>Rule 604.c.(2).E. This will be a multi-well pad.</p> <p>Rule 803 Light sources during all phases of operations will be directed downwards and away from occupied structures where possible. Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site. Lighting shall be mounted at compressor stations on a pole or building and directed downward to illuminate key areas within the facility, while minimizing the amount of light projected outside the facility.</p> <p>Rule 604.c.(2).Q. All guy line anchors left buried for future use shall be identified by a marker of bright color not less than four (4) feet in height and not greater than one (1) foot east of the guy line anchor</p>
9	Noise mitigation	<p>Rule 604.c.(2)A. Sound walls and/or hay bales will be used where necessary to surround the well site during drilling operations. Edge Energy will contract a qualified sound consultant to conduct a noise survey and model the specific drilling rig to be used for the drilling operations. Edge will use the results of the model to engineer and implement an adequate design for a noise mitigation program, up to and including the use of engineered sound walls, to be in compliance with COGCC. Baseline noise monitoring and testing will be conducted prior to commencement of construction and dirt work. Sound walls and/or hay bales will be implemented on the east side of the site</p> <p>to shield the building unit within the buffer zone. Both drilling and completion operations will be conducted within these sound barriers. Sound barriers will be placed on the West, South and East.</p>
10	Emissions mitigation	<p>Rule 604.c.(2)C.i. Green Completions - Emission Control System: Test separators and associated flow lines and sand traps shall be installed on-site to accommodate green completions techniques pursuant to COGCC Rules. Edge Energy will have a permanent gas sales line in place prior to starting flowback to handle saleable quantities of gas. Any non-saleable quantities of gas will be thermally oxidized in an emissions control device (ECD). This ECD shall have an adequate capacity for 1.5 times the largest flowback within a 10-mile radius, will be flanged to route gas to other or permanent oxidizing equipment, and shall be provided with the equipment need to maintain combustions where non-combustible gases are present.</p>
11	Odor mitigation	<p>Rule Rule 805: Oil &amp; gas facilities and equipment shall be operated in such a manner that odors and dust do not constitute a nuisance or hazard to public welfare.</p>
12	Drilling/Completion Operations	<p>Rule 604.c.I: Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be conducted on a daily basis when practicable.</p> <p>Rule 604.c.(2)L. Closed chamber drill stem tests shall be allowed. All other drill stem tests shall require approval by the Director. None planned for this well.</p> <p>Rule 604.c.(2).K. Drilling and Completion- Pit level Indicators shall be used on location. No pit is planned on this location.</p> <p>Rule 604.c.(2).O. Drilling and Completion-All loadlines shall be bullplugged or capped.</p> <p>Rule 604.c.(2)J.ii Backup stabbing valves be required on well servicing operations during reverse circulation. Valves shall be pressure tested before each well servicing operation using both low-pressure air and high-pressure fluid.</p> <p>BOPE for well servicing operations: Adequate BOP equipment shall be used. Stabbing valves shall be installed in the event of reverse circulation and shall be prior tested with low and high pressure fluid.</p>

13	Drilling/Completion Operations	Edge Energy LLC. hereby certifies to the Director that the Modular Large Volume Tanks, utilized for the afore mentioned location, will be designed and implemented consistent with the Colorado Oil and Gas Conservation Commission policy dated June 13, 2014.
14	Drilling/Completion Operations	<p>Edge Energy, LLC. (Edge) has developed Best Management Practices (BMPS) to prevent injuries, property damage or environmental impacts and a Contingency Plan for any Modular Large Volume Tank (MLVT) leak or catastrophic failure of the tank integrity and resulting loss of fluid. These BMPs include, but not limited, by the following:</p> <ol style="list-style-type: none"> <li>1) Edge determines MLVT locations based on size of location, nearby surface waters, site visibility, surrounding land use, property lines, onsite traffic, site security, tearaway tank fill connections, topography (high, low, slope, direction), nearby building units, roads, access points, and surface owner requests.</li> <li>2) Signs shall be posted on each MLVT to indicate that the contents are fresh water and that no E&amp;P waste fluids are allowed. Location and additional signage shall conform to Rule 210.</li> <li>3) MLVTs will be operated with a minimum of 1 foot freeboard at all times.</li> <li>4) Access to the tanks shall be limited to operational personnel.</li> <li>5) Construction and installation of the tank structure, liner and sub-grade shall meet or exceed the manufacturer specifications. Edge follows manufacturer's Standard Operating Procedures (SOPs) and will provide these SOPs upon request to the COGCC.</li> <li>6) Edge will conduct daily, visual inspections of the exterior wall and general area for any integrity deficiencies before, during, and after filling the MLVTs. Edge uses Construction Sign-Off, Site Preparation Sign-Off, Completion Sign-Off, Pre-Fill, and Site Visit checklists to maintain a written record of inspections. However, when the fluid level in the MLVTs is less than two (2) feet and there is no activity going on (i.e. during holidays or a small break between completions), only intermittent inspections will be conducted. Two feet is the safe volume of fluid level that is needed to hold the liner down and keep the MLVT stable.</li> <li>7) Each location where MLVT's are used will have its own set of unique site-specific characteristics and associated risks (e.g., rural vs. urban setting, grade of the location, etc.) to be considered in a worst case scenario. These characteristics must be identified and addressed prior to the MLVT construction phase and should be documented in the MLVT construction checklist. Ensuring the safety of our employees, contractors, and the public are a top priority. This can be addressed with the implementation of MLVT pre-construction risk assessment measures to address safety concerns, and minimize environmental impacts and property damage in the unlikely event of a MLVT release.</li> <li>8) In the event of a catastrophic MLVT failure, the Operator shall notify the COGCC as soon as practicable but not more than 24 hours after discovery, submit a Form 22-Accident Report within 10 days after discovery, conduct a "root cause analysis", and provide same to COGCC on a Form 4-Sundry Notice within 30 days of the failure.</li> <li>9) The MLVT shall be constructed and operated in accordance with a design package certified and sealed by a Licensed Professional Engineer either in Colorado or the state where the MLVT was designed or manufactured.</li> <li>10) COGCC Rules 605.a.(3,5,6,7, and 8), as applicable to tank setbacks at the time of installation shall apply to the siting of this MLVT.</li> <li>11) All MLVT liner seams shall be welded and tested in accordance with applicable ASTM international standards. Any repairs to liners shall be made using acceptable practices and applicable standards.</li> </ol>
15	Final Reclamation	<p>Rule 604.c.(2)T. Within 90 days subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site. Identification of plugged and abandoned wells will be identified pursuant to 319.a.(5)</p> <p>604.c.(2).U. Final Reclamation-The operator shall identify the location of the wellbore with a permanent monument as specified in Rule 319.a.(5). The operator shall also inscribe or imbed the well number and date of plugging upon the permanent monument.</p>

Total: 15 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2316039	WASTE MANAGEMENT PLAN
2316040	RULE 306.E. CERTIFICATION
2316041	CORRESPONDENCE
401092732	FORM 2A RESUBMITTED
401155318	FORM 2A SUBMITTED
401155319	FORM 2A REJECTED
401159384	ACCESS ROAD MAP
401159388	HYDROLOGY MAP
401159389	LOCATION DRAWING
401159390	LOCATION PICTURES
401159391	MULTI-WELL PLAN
401161411	OTHER
401161412	FORM 2A SUBMITTED
401165642	SURFACE AGRMT/SURETY
401165646	RULE 305A CERTIFICATION OF COMPLIANCE
401165654	FACILITY LAYOUT DRAWING
401165667	NRCS MAP UNIT DESC
401165673	FORM 2A RESUBMITTED

Total Attach: 18 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed.	02/13/2017
OGLA	Construction and interim reclamation dates have passed. Communication with Operator to update the dates from 1/1/2017 and 6/1/2017 to 3/1/2017 and 9/1/2017.	02/10/2017
Permit	Permitting Review Complete.	02/10/2017
OGLA	LGD provided comments regarding County requirements. No public comments were made. OGLA review complete and task passed.	01/18/2017
OGLA	Based on the information provided by the Operator, COGCC has determined that this proposed Oil and Gas Location meets the requirements for conditional approval based on compliance with COGCC Rules, including, but not limited to; Rule 604 Series Setback and Mitigation Measures. The Operator has presented a siting rationale for the Production Facilities in the Buffer Zone and Best Management Practices that adequately address site specific environmental, health, safety and welfare concerns.	01/18/2017
OGLA	Operator responded via email (correspondence attached), updated cultural distance, water designation to Yes for sensitive, updated distance to nearest water well from 1048' to 895', added traffic control to BMP and temp tank info to comments section. Added Green Completions BMP by Operator request. Attached WMP and 306.e. certification letter. Send to OGLA supervisor for review.	01/06/2017

LGD	This proposed oil and gas facility is located in unincorporated Weld County. As of today's date, January 3, 2017, the Weld County Oil and Gas Liaison/LGD has not been contacted by any nearby resident(s) or governmental jurisdiction(s) regarding this proposed location. Weld County Road 2 is maintained by Weld County and has full jurisdiction over access. The County will respond to legitimate concerns or issues regarding a proposed location and attempt to facilitate a solution with the operator. The COGCC Form 2A for this location was submitted on or before February 1, 2017 and is considered a Use by Right in the Agricultural Zoned District with no Weld Oil and Gas Location Assessment (WOGLA) required. 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 a County road require an Access Permit from the Department of Public Works, which includes any necessary traffic control plans and Improvement Agreements. The use of a right-of-way requires a Right-Of-Way Permit from the Department of Public Works. Troy Swain, Weld Oil/Gas Liaison (970) 400-3579.	01/03/2017
Permit	OGLA review of resubmit: Missing WMP, cultural distance to property line appears to be from the MLVT, change water designation to sensitive based on surface water, check on groundwater distance, access road is on county line between Weld and Adams county, check on traffic jurisdiction, and ask for information on temporary tanks during flowback.	12/23/2016
Permit	Passed completeness.	12/14/2016
OGLA	Passed Buffer Zone completeness review	12/14/2016
Permit	Referred to OGLA Supervisor for Buffer Zone Review.	12/13/2016
Permit	Returned to Draft: * Need NRCS Attachments and did not pass buffer zone review.	12/09/2016
OGLA	Did not pass Buffer Zone completeness review. Tank count on Facility Layout Drawing does not match entirely on Form 2A, SUA not attached, missing 305.a pre notice certification. Push to Draft after Permitting's review.	12/09/2016
Permit	Referred to OGLA Supervisor for Buffer Zone Review.	12/07/2016
LGD	This proposed oil and gas facility is located in unincorporated Weld County. As of today's date, November 21, 2016, the Weld County Oil and Gas Liaison/LGD has not been contacted by any nearby resident(s) or governmental jurisdiction(s) regarding this proposed location. The County will respond to legitimate concerns or issues regarding a proposed location and attempt to facilitate a solution with the operator. Oil and Gas Exploration and Production activities are currently considered a Use by Right in the Agricultural Zoned District and no land use permitting is required by the County. 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 a County road require an Access Permit from the Department of Public Works, which include any necessary traffic control plans and Improvement Agreements. The use of a right-of-way requires a Right-Of-Way Permit from the Department of Public Works. Troy Swain, Weld Oil/Gas Liaison and LGD (970) 400-3579.	11/21/2016
Permit	Passed completeness.	11/01/2016
OGLA	Passed Buffer Zone completeness review.	10/27/2016
Permit	Notified OGLA of Buffer Zone review.	10/25/2016
Permit	Return to Draft: * Typo on first half of Surface Direction and did not pass buffer zone.	10/21/2016
OGLA	Did not pass Buffer Zone completeness review. Missing 305.a pre-notification certification, reference area photos and map not applicable for agricultural land. push to Draft and Permitting's review.	10/14/2016
Permit	Notified OGLA of Buffer Zone review.	10/12/2016

Total: 21 comment(s)