

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:

401557676

Date Received:

04/12/2018

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:

456625

Expiration Date:

08/15/2021

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: 100322
 Name: NOBLE ENERGY INC
 Address: 1001 NOBLE ENERGY WAY
 City: HOUSTON State: TX Zip: 77070

Contact Information

Name: Brittany McFadden
 Phone: (281) 943-1940
 Fax: ()
 email: brittany.mcfadden@nblenergy.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20030009 Gas Facility Surety ID: _____
 Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: D Number: 19-03 Pad
 County: WELD
 Quarter: NENW Section: 19 Township: 3N Range: 64W Meridian: 6 Ground Elevation: 4787

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: 330 feet FNL from North or South section line
1548 feet FWL from East or West section line

Latitude: 40.217070 Longitude: -104.597130

PDOP Reading: 1.2 Date of Measurement: 08/17/2017

Instrument Operator's Name: Kyle Daley

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #

Well Site is served by Production Facilities

401553825

FACILITIES

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

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

OTHER FACILITIES*

Other Facility Type

Number

<u>Other Facility Type</u>	<u>Number</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:

Seven (7) 2-4" Steel Three Phase Flowlines, Nine (9) 2-4" Steel Gas Lift Lines, Three (3) 3-8" Temporary Fresh Water Poly Lines.

CONSTRUCTION

Date planned to commence construction: 08/31/2018 Size of disturbed area during construction in acres: 10.20

Estimated date that interim reclamation will begin: 02/28/2019 Size of location after interim reclamation in acres: 1.50

Estimated post-construction ground elevation: 4787

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? Yes

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:

Drilling waste disposal information added to address non-oil based mud and fluids used in non-producing portion of wellbore.

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: _____ or Document Number: 2614238

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

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: 10 Hand Trust

Phone: _____

Address: Alvin Dechant Jr., & Scott Dechant

Fax: _____

Address: 8029 County Rd. 39

Email: _____

City: Fort Lupton State: CO Zip: 80621

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 01/10/2017

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:	487 Feet	_____ Feet
Building Unit:	525 Feet	_____ Feet
High Occupancy Building Unit:	5280 Feet	_____ Feet
Designated Outside Activity Area:	5280 Feet	_____ Feet
Public Road:	318 Feet	_____ Feet
Above Ground Utility:	299 Feet	_____ Feet
Railroad:	5280 Feet	_____ Feet
Property Line:	330 Feet	_____ 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

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: 12/21/2017

- 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.

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: 70 - Valent sand, 3 to 9 percent slope

NRCS Map Unit Name: 72 - Vona loamy sand, 0-3 percent slopes

NRCS Map Unit Name: _____

PLANT COMMUNITY:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes No

Plant species from: NRCS or, field observation Date of observation: 01/10/2017

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: 1169 Feet

water well: 350 Feet

Estimated depth to ground water at Oil and Gas Location 22 Feet

Basis for depth to groundwater and sensitive area determination:

Dry ponds to the east were not visible in the field. Nearest verified surfacewater is 1169 feet south. Nearest water well is domestic 350 feet from the location with a depth of 130 feet. Commercial well approximately 3400 feet northeast has a depth of 21.8 feet. Please see comments

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:

Is the Location within a Floodplain? No Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

WILDLIFE

- This location is included in a Wildlife Mitigation Plan
- This location was subject to a pre-consultation meeting with CPW held on _____

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

Basis for Sensitive Area Determination:
 Location Drawing Survey indicates a Building Unit 525 feet northeast from the nearest proposed well pad (field confirmed). From the development area edge, this Building Unit is located approximately 232 feet north (ESRI Desktop Review).
 Nearest Down-gradient surface water:
 Hydrology Map indicates Dry Ponds (not discernable in field) 926 feet and 820 feet southeast of the edge of disturbance. The Biological Resources Survey reported a pond located approximately 1,169 feet south and 2,659 feet northwest of the edge of disturbance; wetland located approximately 1,089 feet south and 2,767 feet southeast of the edge of disturbance (field confirmed). There are no down gradient surface water sources within 500 feet of the edge of disturbance.
 Nearest Domestic Water Well (permit number and distance from location):
 Permit 184561 is a domestic well located approximately 350 feet north of the edge of disturbance.
 Estimated depth to ground water at Oil and Gas Location (provide explanation):
 Permit 184561 is the closest water well and best indication of depth to ground water (static water level). Permit 184561 has a depth of 130 feet and is located approximately 350 feet north of the edge of disturbance. The average depth of the three closest wells is 134 feet.

All seven (7) of these wells will produce back to the proposed D19-01 Production Facility, (401553825).
 Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.

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

Signed: _____ Date: 04/12/2018 Email: brittany.mcfadden@nblenergy.com
 Print Name: Brittany McFadden 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: 8/16/2018

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
	Green Completions -Test separators and associated flow lines, sand traps and emission control systems shall be installed on-site to accommodate green completions techniques. When commercial quantities of salable quality gas are achieved at each well, the gas shall be immediately directed to a sales line or shut in and conserved. If a sales line is unavailable or other conditions prevent placing the gas into a sales line, the operator shall not produce the wells without an approved variance per Rule 805.b.(3)C.
	Once drilling and construction are complete, the Operator will submit a survey drawing via Form 4 Sundry with distances from the nearest well to the nearest building unit to show all wells and production are no less than the distances on the Form 2A.
	The Approved Form 2A permit will be posted at the location during construction, drilling, and completions operations.
	The Approved Form 2A permit will be posted at the location during construction, drilling, and completions operations.

Best Management Practices

No	BMP/COA Type	Description
1	Planning	<p>COGCC Rule 604.c.(2)E. Multiwell Pads.</p> <ul style="list-style-type: none"> • Where technologically feasible and economically practicable, Noble shall consolidate wells to create multi-well pads, including shared locations with other operators. Multi-well production facilities shall be located as far as possible from Building Units. • The pad shall be constructed in such a manner that noise mitigation may be installed and removed without disturbing the site or landscaping. • Pads shall have all weather access roads to allow for operator and emergency response.
2	Planning	<p>COGCC Rule 604.c.(2)I. BOPE testing for drilling operations.</p> <ul style="list-style-type: none"> • 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.
3	Planning	<p>COGCC Rule 604.c.(2)J. BOPE for well servicing operations.</p> <ul style="list-style-type: none"> • Adequate blowout prevention equipment shall be used on all well servicing operations. • Backup stabbing valves shall 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.
4	Planning	<p>COGCC Rule 604.c.(2)L. Drill stem tests.</p> <ul style="list-style-type: none"> • Closed chamber drill stem tests shall be allowed. All other drill stem tests shall require approval by the Director
5	Planning	<p>COGCC Rule 604.c.(2)U. Identification of plugged and abandoned wells.</p> <ul style="list-style-type: none"> • 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.

6	Planning	<p>COGCC Rule 604.c.(2)V. Development from existing well pads.</p> <ul style="list-style-type: none"> • Where possible, operators shall provide for the development of multiple reservoirs by drilling on existing pads or by multiple completions or commingling in existing wellbores (see Rule 322). If any operator asserts it is not possible to comply with, or requests relief from, this requirement, the matter shall be set for hearing by the Commission and relief granted as appropriate.
7	Planning	<p>COGCC Rule 803 Lighting</p> <ul style="list-style-type: none"> • Lighting on location is considered temporary and will be used during recompletion activities. Permanent lighting will not be installed and utilized during normal production operations. Temporary lighting will be directed downward, inward, and shielded towards location to avoid glare on public roads and Building Units within 1,000 feet. Lighting will be turned off when practical, i.e., no operations being conducted.
8	Traffic control	<p>COGCC Rule 604.c.(2)D. Traffic Plan.</p> <p>Speed limits will be enforced. The traffic plan and route will include mitigation of impacts from temporary operations by applying water or magnesium chloride as dust suppression within 1000' of occupied residences on Weld County Road 32 and on lease roads as necessary in cooperation with the county.</p>
9	General Housekeeping	<p>COGCC Rule 604.c.(2)P. Removal of surface trash.</p> <ul style="list-style-type: none"> • 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.
10	General Housekeeping	<p>COGCC Rule 604.c.(2)T. Well site cleared.</p> <ul style="list-style-type: none"> • Within ninety (90) days after a well is plugged and abandoned, the well site shall be cleared of all non-essential equipment, trash, and debris. For good cause shown, an extension of time may be granted by the Director.
11	General Housekeeping	<p>Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.</p>
12	Storm Water/Erosion Control	<p>Stormwater management plans (SWMP) are in place to address construction, drilling, and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No.'s: COR03N578; COR03N579; COR03N580; and COR03O059. The basis for the Sensitive Area Determination for the 19-03 pad is that there is a building unit within 1,000 feet of the location. Stormwater from the site is unlikely to have any negative impacts on the building unit, which is 232 feet north of the location and across WCR 32. However, Noble will implement stormwater BMPs to minimize erosion and transportation of sediment off-site. The planned stormwater BMPs include stabilizing soil stockpiles with tracking and/or hydromulch; the use of stormwater diversions such as ditches; and BMPs that will slow stormwater runoff and settle out sediment, such as sediment traps and ripping. However, BMPs may be changed or modified during or after pad construction, as needed.</p>

13	Material Handling and Spill Prevention	COGCC Rule 604.c.(2)K. Pit level indicators. Due to using a closed loop system pits will not be used.
14	Material Handling and Spill Prevention	COGCC Rule 604.c.(2)N. Control of fire hazards. <ul style="list-style-type: none"> Any material not in use that might constitute a fire hazard shall be removed a minimum of twenty-five (25) feet from the wellhead, tanks and separator. 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. Flammable liquids shall not be stored within fifty (50) feet of the wellbore, except for the fuel in the tanks of operating equipment or supply for injection pumps. Where terrain and location configuration do not permit maintaining this distance, additional equivalent safety measures will be taken.
15	Dust control	COGCC Rule 805.c Fugitive Dust Noble 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 high- wind 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 used if technologically feasible and economically reasonable to minimize fugitive dust emissions.
16	Construction	COGCC Rule 604.c.(2)S. Access roads. <ul style="list-style-type: none"> At the time of construction, all leasehold roads shall be constructed to accommodate local emergency vehicle access requirements, and shall be maintained in a reasonable condition. Noble Energy plans on building the access road off of WCR 32 for Drilling and Completion activities.
17	Construction	COGCC Rule 604.c.(2)M. Fencing requirements. <ul style="list-style-type: none"> Unless otherwise requested by the Surface Owner, well sites constructed within the Designated Setback location will be fenced to restrict access by unauthorized persons.
18	Noise mitigation	<ul style="list-style-type: none"> Temporary operations – Baseline surveys will be completed at the residences to the North. Engineered sound walls no less than 16’ tall will be used along the northern, eastern and western sides for well pad D19-03 to mitigate noise impacts to the residence to the North. The use of equipment specific sound walls will be used as necessary around rig generators in the event of sound impacts during operations. Noise BMPs will remain in place until completions is complete.
19	Emissions mitigation	Emissions Mitigation: <ul style="list-style-type: none"> Flow lines, separators, and sand traps capable of supporting green completions as described in Rule 805 shall be installed at any Oil and Gas Location at which commercial quantities of gas are reasonably expected to be produced based on existing adjacent wells within 1 mile. Uncontrolled venting shall be prohibited in an Urban Mitigation Area. Temporary flowback flaring and oxidizing equipment shall include the following: <ul style="list-style-type: none"> Adequately sized equipment to handle 1.5 times the largest flowback volume of gas experienced in a ten (10) mile radius; Valves and porting available to divert gas to temporary equipment or to permanent flaring and oxidizing equipment; and Auxiliary fuel with sufficient supply and heat to sustain combustion or oxidation of the gas mixture when the mixture includes non-combustible gases.
20	Drilling/Completion Operations	COGCC Rule 604.c.(2)B. Closed Loop Drilling Systems – Pit Restrictions. <ul style="list-style-type: none"> Closed loop drilling systems are required within the Buffer Zone Setback.

21	Drilling/Completion Operations	COGCC Rule 604.c.(2)H. Blowout preventer equipment ("BOPE"). <ul style="list-style-type: none"> • Blowout prevention equipment for drilling operations in a Designated Setback Location shall consist of (at a minimum): <ul style="list-style-type: none"> o Rig with Kelly. Double ram with blind ram and pipe ram; annular preventer or a rotating head. o Rig without Kelly. Double ram with blind ram and pipe ram. Mineral Management certification or Director approved training for blowout prevention shall be required for at least one (1) person at the well site during drilling operations.
22	Drilling/Completion Operations	COGCC Rule 604.c.(2)O. Loadlines. <ul style="list-style-type: none"> • All loadlines will be bullplugged or capped.
23	Drilling/Completion Operations	COGCC Rule 604.c.(2)Q. Guy line anchors. <ul style="list-style-type: none"> • 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.
24	Odor mitigation	On the odor BMP for the 19-03 Pad, in the buffer zone, Noble utilizes D822, which is a distillate that has lower BTEX, is less flammable, and, relative to off-road diesel has fewer aromatic hydrocarbons than other base oil options.

Total: 24 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2316394	RULE 306.E. CERTIFICATION
401557676	FORM 2A SUBMITTED
401600961	LOCATION DRAWING
401600963	LOCATION PICTURES
401600964	MULTI-WELL PLAN
401600965	NRCS MAP UNIT DESC
401600966	ACCESS ROAD MAP
401600968	HYDROLOGY MAP
401600969	WASTE MANAGEMENT PLAN
401600971	REFERENCE AREA MAP
401600973	REFERENCE AREA PICTURES
401600978	FACILITY LAYOUT DRAWING
401600980	PRE-APPLICATION NOTIFICATION CERTIFICATION
401620271	SURFACE AGRMT/SURETY

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Operator provided BMP for odor mitigation of oil based mud as in a buffer zone per OGLA supervisor review.	08/16/2018
Permit	Added new constuction and reclamation dates. APDs going north were withdrawn at operators request. Final Review Complete.	08/08/2018
OGLA	Spoke with Operator on the phone regarding noise - will have sound walls up during drilling and completions - added to BMP. Completions will occur on this location. Will not have flowback tanks on location longer than completion activities. All product is going to production facility at D19-01 to the east.	08/06/2018
Permit	Permitting Review Complete. Request updated construction dates.	08/05/2018
OGLA	OGLA supervisor review: COA for post construction distances - added; more information on green completions and sales line; on information on completions. Call Operator and leave message for above.	08/03/2018
OGLA	Operator provided 306.e. certification on 7/13 - attached. Send to OGLA supervisor for buffer review.	07/31/2018
OGLA	Spoke to Operator via phone - concurred with updating water information and removing water well sampling BMP for Rule 318.A.f. as is a rule and BMP is not necessary. Request 306.e. certification. Updated BMP 604.c.(2).D to br CR 32 not 42.	06/20/2018
OGLA	OGLA review: change attachment name Rule 303.b.(3)K to Pre-application Notification Certification. Nearest surface water body is a dry pond 926 feet away. Depth to water listed is nearest well at 130 feet. Water well permit 49768 which is approx 3685 feet NE of the location has a depth to water between 32-42 feet. Does not make this a sensitive environment- which is currently checked yes - change to no. Call Operator regarding BMPs.	06/15/2018
LGD	This proposed oil and gas facility is in the Agricultural Zoned District of unincorporated Weld County.A Weld Oil and Gas Location Assessment, WOGLA18-0045 was approved on April 25, 2018.Copies of all related documentation are available from Weld County Government.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.Troy Swain, Weld Oil/Gas Liaison and LGD (970) 400-3579.	05/16/2018
Permit	Passed Completeness.	05/04/2018
Permit	Returned to draft for: SURFACE AGRMT/SURETY Attachment does not open.	04/23/2018
OGLA	Passed Buffer Zone completeness review. Address the pre-application notification attachment during the technical review. The location not in an Urban Mitigation Area and Rule 303.b.(3)K does not apply.	04/20/2018
Permit	Sent to John Noto for Buffer Zone review 4/13/18.	04/13/2018

Total: 13 comment(s)