

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:

400762434

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Date Received:

02/11/2015

Oil and Gas Location Assessment

☒ New Location    ☐ Refile    ☐ Amend Existing Location    Location#: \_\_\_\_\_

Submit signed original form. 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:

**441677**

Expiration Date:

**04/30/2018**

☒ 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: 10359

Name: WARD PETROLEUM CORPORATION

Address: PO BOX 1187

City: ENID    State: OK    Zip: 73702

Contact Information

Name: Andrea Gross

Phone: (303) 942-0506

Fax: ( )

email: agross@upstreampm.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20100221    ☐ Gas Facility Surety ID: \_\_\_\_\_

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

LOCATION IDENTIFICATION

Name: Ward Riverdale    Number: 15-2-5HC

County: ADAMS

QuarterQuarter: NWSW    Section: 14    Township: 1S    Range: 67W    Meridian: 6    Ground Elevation: 5112

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: 1992 feet FSL from North or South section line

325 feet FWL from East or West section line

Latitude: 39.963150    Longitude: -104.864260

PDOP Reading: 1.7    Date of Measurement: 10/02/2014

Instrument Operator's Name: Robert 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 #

## FACILITIES

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

Wells	<u>18</u>	Oil Tanks*	<u>24</u>	Condensate Tanks*	<u>      </u>	Water Tanks*	<u>4</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>18</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>2</u>	LACT Unit*	<u>      </u>
Dehydrator Units*	<u>      </u>	Vapor Recovery Unit*	<u>      </u>	VOC Combustor*	<u>      </u>	Flare*	<u>      </u>	Pigging Station*	<u>      </u>

## OTHER FACILITIES\*

Other Facility Type

Number

Meters

18

\*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:

Flowlines will consist of 2" or 3" fusion bonded Schedule 40 steel.

## CONSTRUCTION

Date planned to commence construction: 03/01/2015 Size of disturbed area during construction in acres: 6.50  
Estimated date that interim reclamation will begin: 09/01/2015 Size of location after interim reclamation in acres: 2.00  
Estimated post-construction ground elevation: 5112

## 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: Ward Petroleum Corporatio Phone:

Address: 215 W. Oak St., Suite 1000

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

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

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

City: Fort Collins State: CO Zip: 80521

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: 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:	404 Feet	250 Feet
Building Unit:	565 Feet	890 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	619 Feet	775 Feet
Above Ground Utility:	305 Feet	11 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	325 Feet	388 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.

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: 12/03/2014

## 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 production facilities were placed in the proposed location after much staking and reviews of the layout of the land and topography as well as the historic use of the location as a production facility for oil and gas.

The surface location is quite hilly and due to hummocky topography on the surface tract, the production facilities were placed in the most optimal place. Additional locations were reviewed however, the location is limited by the presence of the Brighton Public Water System to the east and the residential neighborhood to the west. The location chosen puts the production facility as far from the Building Units without encroaching on the Brighton Public Water System.

## 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: ReD - Renohill loam, 3 to 9 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: Green needlegrass, Western wheatgrass, Sideoats grama, Blue grama

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: 900 Feet

water well: 340 Feet

Estimated depth to ground water at Oil and Gas Location 88 Feet

Basis for depth to groundwater and sensitive area determination:

Depth to groundwater was determined from Water Well Permit 3228-F which is located in Section 14 T1S R67W.

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: \_\_\_\_\_

## 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 Building Unit)  
☐ 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 building located within the proposed disturbance is the pump house for a groundwater well. The nearest building that can be occupied is the maintenance building for the cell tower located to the northeast of the proposed location located approximately 250 feet to the northeast.

The pump house and water well are now owned and operated by Ward Petroleum Corporation (See Attached Correspondence).

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

Signed: \_\_\_\_\_ Date: 02/11/2015 Email: agross@upstreampm.com

Print Name: Andrea Gross Title: Permit Agent

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: Matthew Lee Director of COGCC Date: 5/1/2015

## 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

	Operator shall implement engineered BMPs during drilling and completion operations. BMPs shall protect both the groundwater and the integrity of the water well located within the perimeter of the proposed Location.
	Operator shall provide notice to COGCC 48 hours prior to commencing construction of this Oil and Gas Location via Form 42.

## Best Management Practices

### No BMP/COA Type

### Description

1	Planning	Development from existing well pads: In order to reduce surface disturbance, Ward is permitting this 2A for twelve (12) wells.
		The well pad will be constructed in a manner that noise mitigation will be installed and removed without disturbing the site or landscaping.
2	Traffic control	A traffic plan will be done if request by Adams County.
		Ward will construct all leasehold road to accommodate local emergency vehicle access requirements and will be maintained in a reasonable condition.

3	General Housekeeping	<p>Loadlines: All loadlines shall be bullplugged or capped.</p> <p>Guy Line Anchors: All guy line anchors left buried for future use will be identified by a marker of bright color not less than four feet in height and not greater than one foot east of the guy line anchor.</p> <p>Removal of Surface Trash: Ward agrees that all trash, refuse pipe, equipment, liquids, chemicals of other materials that are not necessary for the continued operations of the wells will be removed and disposed of no later than 30 days after completion. No such items will be burned or buried on location.</p> <p>Well Site Cleared: Ward agrees that all trash, refuse pipe, equipment, liquids, chemicals of other materials that are not necessary for the continued operations of the wells will be removed and disposed of no later than 30 days after completion. No such items will be burned or buried on location.</p>
4	Storm Water/Erosion Control	<p>Stormwater will be managed by Ward's Stormwater Management Plan which the Colorado Department of Public Health and Environment oversees. Appropriate BMPs will be installed as conditions dictate and maintained and/or replaced as necessary.</p>
5	Material Handling and Spill Prevention	<p>Leak Detection Plan: To ensure protection for the surface during fracturing treatment, the location will be specifically constructed to contain any releases or spills. Secondary containment from any chemical spills or leaks will surround any trucks that carry, mix, or add chemicals to the flow stream as well as connections that could possibly leak fluid. Should any spill or release occur, every reasonable step will be taken to quickly remediate the area disturbed.</p> <p>Control of Fire Hazards: Ward and its contractor's employ best management practices during the drilling and production of its wells and facilities. They will comply with appropriate COGCC and any county rules concerning fire and safety. Ward will ensure that any flammable material will remain no less than 25 feet from the wellhead (s), tanks and separator(s).</p> <p>Berm Construction: A containment berm will be constructed around the oil and water storage tanks. The berm will be inspected regularly and maintained in good condition.</p> <p>Tank specifications: Tanks shall be constructed and maintained in accordance with the National Fire Protection Association Code 30 (2008 version). All tanks will be visually inspected once a day for issues. Recorded inspections will be conducted once a month pursuant to 40 CFR §112.</p>
6	Dust control	<p>Operator will comply with Rule 805.c and take all practicable measures to control fugitive dust caused by the operation, including but not limited to wetting the soil with fresh water via a truck with a spreader bar if deemed necessary.</p>
7	Noise mitigation	<p>Fencing: The wellsite will be fenced if requested by the Surface Owner.</p> <p>Visual Mitigation: Pursuant to Rule 804, the tank battery shall be painted in uniform, non-contrasting, non-reflective color tones with the colors matched to but slightly darker than the surrounding landscape.</p>
8	Noise mitigation	<p>Ward is planning on using sound walls to mitigate noise levels during drilling and completion. A background noise study will be done prior to drilling and the appropriate soundwall design will be chosen to meet or exceed COGCC noise requirements.</p>

9	Drilling/Completion Operations	<p>Closed Loop System: Closed Loop System will be used for drilling and fluid management. No reserve pit will be used.</p> <p>Green Completions: Ward will comply with COGCC Rule 805b.(3)A and utilize Green Completion Methods.</p> <p>BOPE Testing: Upon initial rig-up and once every 30 days during drilling operations, pressure testing of the casing string and each component of the BOPE will be performed to 70% of working pressure or 70% of the internal yield of the casing, whichever is less.</p> <p>BOPE for well servicing operations: Adequate blowout prevention equipment will be used on any servicing operations associated with this well. Backup staving valves shall be required on well servicing operations during reverse circulation. Valves will be pressure tested before each well servicing operation using both low-pressure and high-pressure fluid.</p> <p>BOPE: Ward will utilize drilling rigs with a minimum of a double ram and annular preventer.</p> <p>Drill Stem Tests: Drill Stem Tests are not anticipated for this location.</p> <p>Pit Level Indicators: Pit Level Indicators will not be needed as no pits will be used on location.</p>
10	Drilling/Completion Operations	All light will be directed downward as much as possible to mitigate light pollution into the adjacent neighborhood. In addition the soundwall will also help to limit light pollution.
11	Final Reclamation	Identification of Plugged and Abandoned Wells: Pursuant to Rule 319.a.(5)., once the well has been plugged and abandoned, Ward will identify the location of the wellbore with a permanent monument that will detail the well name and date of plugging.

Total: 11 comment(s)



## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1009791	URBAN MITIGATION AREA DRAWING
1009793	LOCATION DRAWING
1009794	FACILITY LAYOUT DRAWING
1009795	306.e CERTIFICATION LETTER
1009796	FACILITY LAYOUT DRAWING
1009797	305.a CERTIFICATION LETTER
1009798	LGD PRE_APPLICATION NOTIFICATION WAIVER
1009799	NOTIFICATION ZONE DRAWING
1009801	CORRESPONDENCE
1009802	CORRESPONDENCE
400762434	FORM 2A SUBMITTED
400783974	HYDROLOGY MAP
400783978	LOCATION PICTURES
400783980	MULTI-WELL PLAN
400783981	NRCS MAP UNIT DESC
400783984	REFERENCE AREA MAP
400783986	REFERENCE AREA PICTURES
400783989	WASTE MANAGEMENT PLAN
400784038	ACCESS ROAD MAP
400784041	30 DAY NOTICE LETTER

Total Attach: 20 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	<p>Changed Sensitive Area to YES due to the presence of a groundwater well located within the disturbed area.</p> <p>Added the statement: "The pump house and water well are now owned and operated by Ward Petroleum Corporation (See Attached Correspondence)."</p>	5/1/2015 2:51:00 PM
OGLA	<p>Per Operator: Ward Petroleum Corporation has recently purchased the property on which the water well is located. A change of well owner was filed with the Division of Water Resources. The change hasn't gone into effect on the website. The water well is not abandoned, but is currently not in use and has a temporary steel cap on top of it. Additionally it is located in a small, cinderblock well house. During drilling and completion we will have containment on that well to prevent any potential contamination.</p>	5/1/2015 2:44:36 PM
Permit	Final Review Completed.	4/29/2015 3:55:04 PM
OGLA	<p>Per discussions with the Operator, changed Siting Rationale to the following.</p> <p>"The production facilities were placed in the proposed location after much staking and reviews of the layout of the land and topography as well as the historic use of the location as a production facility for oil and gas.</p> <p>The surface location is quite hilly and due to hummocky topography on the surface tract, the production facilities were placed in the most optimal place. Additional locations were reviewed however, the location is limited by the presence of the Brighton Public Water System to the east and the residential neighborhood to the west. The location chosen puts the production facility as far from the Building Units without encroaching on the Brighton Public Water System."</p>	4/28/2015 2:54:44 PM

OGLA	Changed the cultural distances from the nearest production facility due to Operator moving the production facility further from the Building Units.	4/28/2015 12:35:33 PM
Agency	Siting Rationale Analysis  Based on the review of the Form 2A and Siting Rationale, the Production Facilities location appears to be warranted. Approve Form 2A with proposed Location.	4/10/2015 10:21:24 AM
OGLA	Added Operator provided BMPs (Noise Mitigation, Lighting (drilling and Operations), and Stormwater) as provided in Operator email (see attached correspondence).	4/10/2015 10:05:23 AM
Permit	Permitting Review Complete.	4/3/2015 3:30:54 PM
OGLA	Facility Layout Drawing is included with the Construction Layout Drawings Operator has resubmitted the Facility Layout Drawing in the correct format. UMA was not checked. UMA was checked during OGLA review.	3/31/2015 2:37:44 PM
OGLA	In response to the Public Comment regarding the potential impacts to wildlife. The Form 2A process considers impacts to wildlife (including federally and state listed species) during the assessment. The COGCC has conducted a review of this Form 2A and has not identified potential impacts to listed species.	3/31/2015 11:43:18 AM
OGLA	In response to the Public Comment regarding the omission of the Facility Layout Drawing, the COGCC has conducted a review of the submitted attachments and identified the Facility Layout Drawing within the Construction Layout Drawings package attached to the Form 2A. In the future, the Operator will make sure to provide this Drawing under separate and correct title.	3/31/2015 11:39:14 AM
OGLA	The following information was provided by the Operator in response to the above Public Comments dated 02/25/2015 and 03/03/2015.  - Ward is planning on using sound walls to mitigate noise levels during drilling and completion. A background noise study will be done prior to drilling and the appropriate soundwall design will be chosen to meet or exceed COGCC noise requirements.  - All light will be directed downward as much as possible to mitigate light pollution into the adjacent neighborhood. In addition the soundwall will also help to limit light pollution.  - Stormwater will be managed by Ward's Stormwater Management Plan which the Colorado Department of Public Health and Environment oversees. Appropriate BMPs will be installed as conditions dictate and maintained and/or replaced as necessary.	3/31/2015 11:34:57 AM
Public	I find it disturbing that the county allows drilling so close to residential areas. The noise especially will cause a major disruption to the residents of the community as evidenced by drilling operations in Weld and Larimer counties.	3/4/2015 5:44:21 AM

Public	<p>I am a resident of Todd Creek and am adamantly opposed to the drilling activity proposed by Ward Petroleum at the above referenced location. From the map, it looks as though the activity will be based 325 from Todd Creek residential property lines. After reading about the problems in Erie and other cities about the noise, vibration and light levels being unreasonably excessive, I am very concerned about this project. The residents of Todd Creek purchased homes and property here to avoid excess noise and light, and we pay a lot in taxes to live here.</p> <p>There's also an abundance of wildlife in the proposed area, including bald eagles, great horned owls, hawks, kestrels, rabbits, foxes and more, that will be affected by this drilling/fracking activity. Some of these animals are on the</p> <p>Federal and State Threatened and Endangered List.</p> <p>From the map sent to us by Adams County, the zoned area extends from just behind Todd Creek to Riverdale Road. The proposed site sits on the top of a hill on this property directly behind our neighborhood. If we, the residents of Todd Creek, cannot halt this activity, can Ward at least put the site at the furthest most point away from our neighborhood and down in the valley near the NE corner of the property, to assist in minimizing the disturbance to our neighborhood.</p> <p>I also noticed there is a statement that Ward Petroleum will not be accessing the site via Riverdale Road, so how are they going to access it? Through our neighborhood?</p>	3/3/2015 4:56:01 PM
Public	<p>I am a resident of Todd Creek subdivision in close proximity to the proposed location. I have concerns with the adequacy of the BMPs listed on the Form 2A. The proposed location is close proximity to a large residential development. BMP No. 6 (Noise Mitigation) does not address how the noise during drilling operations will be mitigated. It states that a fence will be installed at the surface owners request. The installing of a fence after drilling and completion activities are completed does not mitigate sound. What will be used for sound mitigation? Noise wall? Hay bales? Light pollution mitigation is not discussed in the BMPs. What will be done to mitigate light pollution and its impact to the adjacent neighborhood? There are no details included in the BMPs on how stormwater will be managed. The location drawing does not depict the location of the production facility, nor is there an attached facility layout drawing for the production facility as required. This should be provided for public review prior to approval.</p> <p>I would like to express that I am not against the proposed location if adequate measures are taken to insure the health and safety of the surrounding community. However, the application as submitted does not demonstrate this. Additional BMPs and COAs are required.</p>	2/25/2015 11:11:06 AM
LGD	<p>Adams County cannot approve this application until petroleum has signed a Memorandum of Understanding, or has gone through a Special Use process. This site is already served by an existing access point. Access from Riverdale Rd will not be allowed as part of the approval of this application.</p>	2/14/2015 10:59:42 AM
Permit	Passed completeness.	2/13/2015 2:20:07 PM
OGLA	Passed Buffer Zone completeness review. Items to address technical review - 604.c.(2) mitigation measures not fully incorporated. Noise BMP should be site specific and more detailed.	2/13/2015 10:17:19 AM
Permit	Located within buffer zone; sent to OGLA for further review.	2/12/2015 8:02:38 AM

Total: 19 comment(s)