

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:

400781590

**(SUBMITTED)**

Date Received:

02/12/2015

## 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:

Expiration Date:

This location assessment is included as part of a permit application.

### CONSULTATION

This location is included in a Comprehensive Drilling Plan. CDP # \_\_\_\_\_

This location is in a sensitive wildlife habitat area.

This location is in a wildlife restricted surface occupancy area.

This location includes a Rule 306.d.(1)A.ii. variance request.

### Operator

Operator Number: 100264

Name: XTO ENERGY INC

Address: 382 CR 3100

City: AZTEC    State: NM    Zip: 87410

### Contact Information

Name: Kelly Kardos

Phone: (303) 397-3727

Fax: ( )

email: kelly\_kardos@xtoenergy.com

### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20100210

Gas Facility Surety ID: \_\_\_\_\_

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

### LOCATION IDENTIFICATION

Name: North Piceance

Number: 197-15A1

County: RIO BLANCO

Quarter: NWSE    Section: 15    Township: 1S    Range: 97W    Meridian: 6    Ground Elevation: 6039

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: 2034 feet FSL from North or South section line

2170 feet FEL from East or West section line

Latitude: 39.962856    Longitude: -108.266680

PDOP Reading: 2.9    Date of Measurement: 12/02/2014

Instrument Operator's Name: Stacy Stewart

## 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>1</u>	Oil Tanks*	<u>0</u>	Condensate Tanks*	<u>1</u>	Water Tanks*	<u>2</u>	Buried Produced Water Vaults*	<u>0</u>
Drilling Pits	<u>0</u>	Production Pits*	<u>0</u>	Special Purpose Pits	<u>0</u>	Multi-Well Pits*	<u>0</u>	Modular Large Volume Tanks	<u>0</u>
Pump Jacks	<u>0</u>	Separators*	<u>1</u>	Injection Pumps*	<u>0</u>	Cavity Pumps*	<u>0</u>	Gas Compressors*	<u>0</u>
Gas or Diesel Motors*	<u>0</u>	Electric Motors	<u>0</u>	Electric Generators*	<u>0</u>	Fuel Tanks*	<u>0</u>	LACT Unit*	<u>0</u>
Dehydrator Units*	<u>0</u>	Vapor Recovery Unit*	<u>0</u>	VOC Combustor*	<u>1</u>	Flare*	<u>0</u>	Pigging Station*	<u>0</u>

## 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:

One 6" FlexSteel line for gas service will be buried on the north side of a two track road following a north easterly path from the well pad tying into an existing 4" steel gathering line .

## CONSTRUCTION

Date planned to commence construction: 04/30/2015 Size of disturbed area during construction in acres: 5.50  
Estimated date that interim reclamation will begin: 07/30/2015 Size of location after interim reclamation in acres: 1.29  
Estimated post-construction ground elevation: 6038

## 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? Yes

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: XTO ENERGY

Phone: 303-397-3727

Address: PO Box 6501

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

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

Email: kelly\_kardos@xtoenergy.com

City: Englewood State: CO Zip: 80109

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 12/02/2014

### CURRENT AND FUTURE LAND USE

#### Current Land Use (Check all that apply):

Crop Land:  Irrigated  Dry land  Improved Pasture  Hay Meadow  CRP

Non-Crop Land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_

Subdivided:  Industrial  Commercial  Residential

#### Future Land Use (Check all that apply):

Crop Land:  Irrigated  Dry land  Improved Pasture  Hay Meadow  CRP

Non-Crop Land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_

Subdivided:  Industrial  Commercial  Residential

## CULTURAL DISTANCE INFORMATION

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	5280 Feet	5280 Feet
Building Unit:	5280 Feet	5280 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	275 Feet	275 Feet
Above Ground Utility:	293 Feet	293 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	757 Feet	757 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: \_\_\_\_\_

## FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (onl or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

## 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 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: Hagga Loam (Map Unit Symbol - 40)

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: 12/02/2014

List individual species: Pine Trees, Cedar Trees, Sagebrush, Cacti & Native Grasses

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: 119 Feet

water well: 1085 Feet

Estimated depth to ground water at Oil and Gas Location 75 Feet

Basis for depth to groundwater and sensitive area determination:

Depth to GW: Static Water Level of Water Well Permit 50624. Sensitive Area Determination: Distance to surface water feature.

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:

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## 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 XTO SURFACE & MINERALS. Reference area photos will be taken during the next growing season in 2015.

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

Signed: \_\_\_\_\_ Date: 02/12/2015 Email: kelly\_kardos@xtoenergy.com

Print Name: Kelly Kardos Title: Permitting Supervisor

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

### Conditions Of Approval

**All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.**

### Best Management Practices

No	BMP/COA Type	Description
1	Construction	<p>Certificate to Discharge Under CDPS General Permit No. COR-03000 Stormwater Discharges Associated with Construction. Certification No. COR-03C728</p> <ul style="list-style-type: none"><li>• A Field Wide Stormwater Management Plan (SWMP) for the Piceance Creek Program is on file at the XTO Energy Inc. (21459 CR5, Rifle, CO, 81650) office. A Site Specific SWMP including a Site Plan will be developed for each location.</li><li>• Spill Prevention, Control and Countermeasures (SPCC) for the Piceance Creek Program is on file at the XTO Energy Inc. (21459 CR5, Rifle, CO, 81650) office. The Field Wide and Site Specific SWMPs each address SPCC during construction operations.</li><li>• Inspections of the project site and maintenance of installed BMP's shall be conducted in accordance with the CDPHE CDPS permit and field wide plan.</li><li>• The attached Table 1 lists BMP's which may be utilized during the construction phase and in development of the Site Specific SWMP. BMP selection is based on site specific conditions including topography, existing vegetation, timing, construction sequencing, etc.</li></ul>

Total: 1 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400781590	FORM 2A SUBMITTED
400789017	NRCS MAP UNIT DESC
400789020	ACCESS ROAD MAP
400789024	CONST. LAYOUT DRAWINGS
400789028	HYDROLOGY MAP
400789032	LOCATION PICTURES
400789037	REFERENCE AREA MAP
400789040	LOCATION DRAWING
400789041	PROPOSED BMPS

Total Attach: 9 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Add comment to "Submit" tab stating reference area photos to be submitted at later date. Add Map Unit Symbol to NRCS map unit name. Return to draft.	2/13/2015 2:58:43 PM

Total: 1 comment(s)