

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400040999

## Oil and Gas Location Assessment

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

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this 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. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**416728**

Expiration Date:

**04/19/2013**
☒ This location assessment is included as part of a permit application.

## 1. 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.

## 2. Operator

Operator Number: 100264

Name: XTO ENERGY INC

Address: 382 CR 3100

City: AZTEC State: NM Zip: 87410

## 3. Contact Information

Name: KELLY KARDOS

Phone: (505) 333-3145

Fax: (505) 213-0546

email: kelly\_kardos@xtoenergy.com

## 4. Location Identification:

Name: NEW ELK Number: 23-10

County: LAS ANIMAS

QuarterQuarter: NWSE Section: 23 Township: 33S Range: 68W Meridian: 6 Ground Elevation: 7846

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1610 feet, from North or South section line: FSL and 2378 feet, from East or West section line: FEL

Latitude: 37.153655 Longitude: -104.963966 PDOP Reading: 6.0 Date of Measurement: 11/18/2009

## 5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text" value="0"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text" value="1"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="0"/>	Water Tanks: <input type="text" value="0"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text" value="1"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="1"/>	Cavity Pumps: <input type="text" value="0"/>	LACT Unit: <input type="text" value="0"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text" value="0"/>
Electric Generators: <input type="text" value="0"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="0"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="0"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="text" value="0"/>	Oil Tanks: <input type="text" value="0"/>	Fuel Tanks: <input type="text" value="0"/>	

Other: GAS AND/OR DIESEL MOTORS WILL BE USED FOR THE DRILLING RIG

## 6. Construction:

Date planned to commence construction: 03/21/2010 Size of disturbed area during construction in acres: 1.50  
Estimated date that interim reclamation will begin: 06/01/2010 Size of location after interim reclamation in acres: 0.74  
Estimated post-construction ground elevation: 7836 Will a closed loop system be used for drilling fluids: Yes ☐  
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒  
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒  
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☒ Disposal Facility ☐  
Other: BURY/HAUL

## 7. Surface Owner:

Name: STATE OF COLORADO, DOW Phone: 303-297-1192  
Address: 6060 BROADWAY Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: bill.velarde@state.co.us  
City: DENVER State: CO Zip: 80216 Date of Rule 306 surface owner consultation: 10/28/2009  
Surface Owner: ☐ Fee ☒ State ☐ Federal ☐ Indian  
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
The surface owner is: ☐ the mineral owner ☐ committed to an oil and gas lease  
☐ is the executer of the oil and gas lease ☐ the applicant  
The right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way  
☐ applicant is owner  
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID \_\_\_\_\_

## 8. Reclamation Financial Assurance:

☒ Well Surety ID: 20020116 ☒ Gas Facility Surety ID: 20020117 ☐ Waste Mgnt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 1175, public road: 2070, above ground utilit: 2060  
railroad: 1535, property line: 520

## 10. 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

## 11. 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

## 12. Soils:

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.gov/> 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: FUERA-DARGOL-VAMER COMPLEX, 10 TO 45% SLOPES

NRCS Map Unit Name: \_\_\_\_\_

NRCS Map Unit Name: \_\_\_\_\_

### 13. 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: SIDEOATS GRAMA, WESTERN WHEATGRASS, GAMBEL'S OAK, MTN MAHOGANY,  
JUNIPER, PINYON, DOUGLAS FIR, PONDEROSA PINE

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)  
☒ Native Grassland (Bluestern, 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): \_\_\_\_\_

### 14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 1725, water well: 6600, depth to ground water: 60

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. 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: ☒ No ☐ Yes

### 15. Comments:

THERE ARE NO ADJACENT LANDOWNERS WITHIN 500' OF THE PROPOSED LOCATION. THERE ARE NO WATER WELLS WITHIN 1 MILE OF THE PROPOSED LOCATION. WATER WELL PERMIT 269720 IS THE CLOSEST WATER WELL WITH STATIC WATER LEVEL (5'). REFERENCE AREA PHOTOS WILL BE TAKEN DURING THE NEXT GROWING SEASON. SURFACE OWNER WAIVED CONSULTATION/NOTIFICATION REQUIREMENTS. Reference area located adjacent and on undisturbed ground to the north of the location

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

Signed: \_\_\_\_\_ Date: 02/17/2010 Email: kelly\_kardos@xtoenergy.com

Print Name: KELLY KARDOS Title: SR. PERMITTING TECH

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

*David S. Nash*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 4/20/2010

**CONDITIONS OF APPROVAL, IF ANY:**

**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.**

- Reserve pit must be lined before use for drilling or completion activities or closed loop drilling system must be used
- Location fill is on steep slopes; therefore the slope should be constructed in such a manner to manage site drainage and slope stability. The slope vegetation should be established immediately after the slope has been constructed
- Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling/completion/production operations
- Operator must ensure that BMP are installed to prevent stormwater run-on to and run-off from the site and to prevent stormwater discharge to surface water. Those BMPs must be in place and inspected and deemed adequate before drilling operations can commence. Notify the Southeastern Environmental Protection Specialist, Peter Gintautas – 719-846-3091, a minimum of 48 hours before drilling operations are to commence so that an inspection of the site can be performed to assess the adequacy of the stormwater management practices

**Attachment Check List**

Att Doc Num	Name	Doc Description
1784934	NRCS MAP UNIT DESC	LF@2453963 1784934
1784935	CORRESPONDENCE	LF@2453951 1784935
1784968	PROPOSED BMPs	LF@2453950 1784968
1784969	CORRESPONDENCE	LF@2454312 1784969
400041029	LOCATION PICTURES	LF@2428395 400041029
400041032	LOCATION DRAWING	LF@2428396 400041032
400041033	HYDROLOGY MAP	LF@2428397 400041033
400041036	NRCS MAP UNIT DESC	LF@2428398 400041036
400041039	CONST. LAYOUT DRAWINGS	LF@2428399 400041039
400041040	ACCESS ROAD MAP	LF@2428400 400041040
400041041	PROPOSED BMPs	LF@2428401 400041041
400041048	FORM 2A SUBMITTED	LF@2428402 400041048

Total Attach: 12 Files