

State of Colorado  
Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400058880

## Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 385876

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:

**385876**

Expiration Date:

**05/24/2013**☒ 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: HEIN Number: 1-2

County: LA PLATA

QuarterQuarter: NWSW Section: 1 Township: 32N Range: 7W Meridian: N Ground Elevation: 6287

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: 1520 feet, from North or South section line: FSL and 955 feet, from East or West section line: FWL

Latitude: 37.043090 Longitude: -107.565570 PDOP Reading: 6.0 Date of Measurement: 07/03/2007

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

Special Purpose Pits:	<u>0</u>	Drilling Pits:	<u>0</u>	Wells:	<u>2</u>	Production Pits:	<u>0</u>	Dehydrator Units:	<u>0</u>
Condensate Tanks:	<u>0</u>	Water Tanks:	<u>4</u>	Separators:	<u>1</u>	Electric Motors:	<u>0</u>	Multi-Well Pits:	<u>0</u>
Gas or Diesel Motors:	<u>3</u>	Cavity Pumps:	<u>0</u>	LACT Unit:	<u>0</u>	Pump Jacks:	<u>1</u>	Pigging Station:	<u>0</u>
Electric Generators:	<u>0</u>	Gas Pipeline:	<u>1</u>	Oil Pipeline:	<u>0</u>	Water Pipeline:	<u>1</u>	Flare:	<u>0</u>
Gas Compressors:	<u>0</u>	VOC Combustor:	<u>0</u>	Oil Tanks:	<u>0</u>	Fuel Tanks:	<u>0</u>		

Other: The existing Hein #1-1 is P&Ad. Gas and/or diesel motors will be used for the drilling rig.

## 6. Construction:

Date planned to commence construction: 07/15/2010 Size of disturbed area during construction in acres: 1.72  
Estimated date that interim reclamation will begin: 10/01/2010 Size of location after interim reclamation in acres: 1.48  
Estimated post-construction ground elevation: 6287 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: CLOSED LOOP MUD SYSTEM

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 07/03/2007  
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: 1600, public road: 2380, above ground utilit: 1600  
, railroad: 10560, property line: 197

## 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 be 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: 5. ARBOLES CLAY, 3% TO 12% SLPES

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: \_\_\_\_\_  
\_\_\_\_\_

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: 233, water well: 1720, depth to ground water: 7

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:

XTO is the surface owner. Water well permit 275035 was used to determine depth to ground water.

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

Signed: \_\_\_\_\_ Date: 04/30/2010 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: 5/25/2010

**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.**

Operator must implement best management practices to contain any unintentional release of fluids.

Location is in a sensitive area because of shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.

Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

**Attachment Check List**

Att Doc Num	Name	Doc Description
2033167	CORRESPONDENCE	LF@2482137 2033167
400058880	FORM 2A SUBMITTED	LF@2462455 400058880
400058889	LOCATION PICTURES	LF@2462456 400058889
400058890	LOCATION DRAWING	LF@2462457 400058890
400058891	HYDROLOGY MAP	LF@2462458 400058891
400058892	ACCESS ROAD MAP	LF@2462459 400058892
400058893	NRCS MAP UNIT DESC	LF@2462460 400058893
400058894	CONST. LAYOUT DRAWINGS	LF@2462461 400058894
400058895	PROPOSED BMPs	LF@2462462 400058895
400058896	SURFACE AGRMT/SURETY	LF@2462463 400058896

Total Attach: 10 Files