

FORM 2A Rev 04/01

State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



Table with 4 columns: DE, ET, OE, ES

Document Number: 400164690

Oil and Gas Location Assessment

[X] 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.

Location ID: 423975 Expiration Date: 06/28/2014

[X] 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: APACHE CANYON Number: 30-12 County: LAS ANIMAS Quarter: NWSW Section: 30 Township: 34S Range: 67W Meridian: 6 Ground Elevation: 8256
Footage at surface: 1746 feet FSL, from North or South section line, and 164 feet FWL, from East or West section line.
Latitude: 37.052828 Longitude: -104.937093 PDOP Reading: 6.0 Date of Measurement: 01/27/2011
Instrument Operator's Name: GARY TERRY

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

Special Purpose Pits: 0 Drilling Pits: 1 Wells: 1 Production Pits: 1 Dehydrator Units: 0
Condensate Tanks: 0 Water Tanks: 2 Separators: 1 Electric Motors: 0 Multi-Well Pits: 0
Gas or Diesel Motors: 0 Cavity Pumps: 0 LACT Unit: 0 Pump Jacks: 1 Pigging Station: 0
Electric Generators: 0 Gas Pipeline: 1 Oil Pipeline: 0 Water Pipeline: 1 Flare: 0
Gas Compressors: 1 VOC Combustor: 0 Oil Tanks: 0 Fuel Tanks: 0
Other: GAS AND/OR DIESEL MOTORS WILL BE USED FOR THE DRILLING RIG

6. Construction:

Date planned to commence construction: 06/30/2011 Size of disturbed area during construction in acres: 1.05
Estimated date that interim reclamation will begin: 08/30/2011 Size of location after interim reclamation in acres: 0.74
Estimated post-construction ground elevation: 8253 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite X Onsite Method: Land Farming Land Spreading Disposal Facility
Other: BURY/HAUL

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 01/03/2011
Surface Owner: Fee State X Federal Indian
Mineral Owner: Fee X 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 X 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:

X Well Surety ID: 20100210 Gas Facility Surety ID: Waste Mgnt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 10560 , public road: 10560 , above ground utilit: 10560
, railroad: 10560 , property line: 170

10. Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
Non-Crop Land: X Rangeland X 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: X Rangeland X 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: Ponderosa Pine, Rocky Mountain Douglas Fir, Mountain Muhly

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): \_\_\_\_\_

### 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: 1025, water well: 3000, depth to ground water: 540

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 Suppl 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:

SURFACE OWNER WAIVED CONSULTATION/NOTIFICATION REQUIREMENTS.

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

Signed: \_\_\_\_\_ Date: 05/13/2011 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.

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

*David S. Nesline*

Director of COGCC

Date: 6/29/2011

**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.**

Notify the COGCC Oil and Gas Location Assessment (OGLA) specialist for South Eastern Colorado (Arthur Koepsell; email arthur.koepsell@state.co.us) 72 hours prior to initiating pad construction.

Due to the shallow soils and underlying fractured bed rock the following will apply: Location is in a sensitive area because of potential for adverse impacts to ground water/surface water; therefore all pits will be lined.

Location is on steep slopes; therefore the cut and fill slopes should be constructed in such a manner to manage site drainage and slope stability. The slopes shall be stabilized immediately after the location has been constructed.

**Attachment Check List**

Att Doc Num	Name
2533228	CORRESPONDENCE
400164690	FORM 2A SUBMITTED
400164702	PROPOSED BMPs
400164706	SURFACE AGRMT/SURETY
400164707	NRCS MAP UNIT DESC
400164799	CONST. LAYOUT DRAWINGS
400164800	HYDROLOGY MAP A, TOPO
400164801	HYDROLOGY MAP B, AERIAL
400164802	LOCATION PICTURES
400164803	REFERENCE AREA MAP
400164804	REFERENCE AREA PICTURES
400164805	ACCESS ROAD MAP
400164806	LOCATION DRAWING
400165005	WAIVERS

Total Attach: 14 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	I am not sure if Julie Vigil had notified you of the activity in the Bosque del Oro SWA. Pending are both wells and surface locations, form 2's and form 2A's respectively. Several of these are over a month old and that means that I am going to get heat to get them out of here. What do you need from me? I understand an earlier notification would help, but what else? Has XTO contacted you, if so, are you currently negotiation an SUA for these wells and surface locations? Let me know the best way to handle these and future applications. Email sent to Al Trujillo DOW. BY	5/19/2011 10:06:30 AM
OGLA	Ready to pass 6/6/2011.	5/17/2011 9:57:51 AM
Permit	Back to draft. The waiver attachment won't open. sf	5/16/2011 8:30:55 AM

Total: 3 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Construction	<p>Certificate to Discharge Under CDPS General Permit No. COR-030000 Stormwater Discharges Associated with Construction Certification No. COR034312 Prior to construction perimeter controls will be installed utilizing cuttings from the clearing operations. Brush Barriers shall be placed down gradient of the disturbance. Once the well pad has been constructed a variety of B.M.P.'s shall be utilized for the site specific conditions. These devices may include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Brush Barriers</li> <li>• Dirt Berm/Bar Ditch</li> <li>• Clean Water Run on Diversion</li> <li>• Seeding</li> <li>• Erosion Control Blankets</li> <li>• Mulch Tackifier</li> <li>• Rip-Rap</li> </ul> <p>During construction each site will be inspected every 14 days and 72 hours after any major storm event. These inspections will be recorded and maintained at the XTO office. Repairs shall be completed within 7 days of the initial inspection. Any modifications shall be revised on the site plan and then implemented at the site. A Field Wide Stormwater Management Plan (SWMP) for the Raton Basin is on file at the XTO Energy Inc. office. A Site Specific SWMP with a Site Plan will be developed for each location and can be found in:</p> <ul style="list-style-type: none"> <li>• Appendix F- Apache Canyon Lease</li> <li>• Appendix G- Golden Eagle Lease</li> <li>• Appendix H- Hill Ranch Lease</li> <li>• Appendix I- New Elk Lease</li> </ul> <p>Wildlife BMP required for Raton Basin utilize bear proof dumpsters and trash receptacles for food related trash at all facilities that generate such trash. Spill Prevention and Counter Measures (SPCC) for the Raton Basin is on file at the XTO Energy Inc. office. The Field SWMP and Site Specific SWMP each address SPCC during construction operations. Typical BMP Site Diagram Attached...</p>

Total: 1 comment(s)

