


|  |  |   |  |                                      |    |    |    |
|--|--|---|--|--------------------------------------|----|----|----|
| <b>FORM</b><br><b>2</b><br>Rev<br>12/05  | <b>State of Colorado</b><br><b>Oil and Gas Conservation Commission</b><br>1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> | DE                                   | ET | OE | ES |
| DE   | ET   | OE  | ES   |                                      |    |    |    |
| <b>APPLICATION FOR PERMIT TO:</b>  |  |   | Document Number:<br><br>400164669<br><br>Plugging Bond Surety<br><br>20100210  |                                      |    |    |    |
| 1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate   |  |   |  |                                      |    |    |    |
| 2. TYPE OF WELL<br>OIL <input type="checkbox"/> GAS <input type="checkbox"/> COALBED <input checked="" type="checkbox"/> OTHER _____<br>SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>   |  | Refiling <input type="checkbox"/><br>Sidetrack <input type="checkbox"/>             |  |                                      |    |    |    |
| 3. Name of Operator: <u>XTO ENERGY INC</u>   |  | 4. COGCC Operator Number: <u>100264</u>   |  |                                      |    |    |    |
| 5. Address: <u>382 CR 3100</u><br>City: <u>AZTEC</u> State: <u>NM</u> Zip: <u>87410</u>  |  |   |  |                                      |    |    |    |
| 6. Contact Name: <u>Kelly Kardos</u> Phone: <u>(505)333-3145</u> Fax: <u>(505)213-0546</u><br>Email: <u>kelly_kardos@xtoenergy.com</u>   |  |   |  |                                      |    |    |    |
| 7. Well Name: <u>APACHE CANYON</u>   |  | Well Number: <u>30-12</u>   |  |                                      |    |    |    |
| 8. Unit Name (if appl): _____  |  | Unit Number: _____  |  |                                      |    |    |    |
| 9. Proposed Total Measured Depth: <u>2566</u>  |  |   |  |                                      |    |    |    |
| <b>WELL LOCATION INFORMATION</b>   |  |   |  |                                      |    |    |    |
| 10. QtrQtr: <u>NWSW</u> Sec: <u>30</u> Twp: <u>34S</u> Rng: <u>67W</u> Meridian: <u>6</u><br>Latitude: <u>37.052828</u> Longitude: <u>-104.937093</u>  |  |   |  |                                      |    |    |    |
| Footage at Surface: <u>1746</u> feet    FNL/FSL <u>FSL</u> <u>164</u> feet    FEL/FWL <u>FWL</u>   |  |   |  |                                      |    |    |    |
| 11. Field Name: <u>PURGATOIRE RIVER</u>  |  | Field Number: <u>70830</u>  |  |                                      |    |    |    |
| 12. Ground Elevation: <u>8256</u>  |  | 13. County: <u>LAS ANIMAS</u>   |  |                                      |    |    |    |
| 14. GPS Data:<br>Date of Measurement: <u>01/27/2011</u> PDOP Reading: <u>6.0</u> Instrument Operator's Name: <u>GARY TERRY</u>   |  |   |  |                                      |    |    |    |
| 15. If well is <input type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b><br>Footage at Top of Prod Zone:    FNL/FSL    FEL/FWL    Bottom Hole:    FNL/FSL    FEL/FWL<br>_____<br>Sec: _____    Twp: _____    Rng: _____    Sec: _____    Twp: _____    Rng: _____ |  |   |  |                                      |    |    |    |
| 16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |   |  |                                      |    |    |    |
| 17. Distance to the nearest building, public road, above ground utility or railroad: <u>10560 ft</u>   |  |   |  |                                      |    |    |    |
| 18. Distance to nearest property line: <u>170 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>1550 ft</u>  |  |   |  |                                      |    |    |    |
| <b>20. LEASE, SPACING AND POOLING INFORMATION</b>  |  |   |  |                                      |    |    |    |
| Objective Formation(s)   | Formation Code   | Spacing Order Number(s)   | Unit Acreage Assigned to Well  | Unit Configuration (N/2, SE/4, etc.) |    |    |    |
| RATON  | RTON   |   |  |                                      |    |    |    |
| VERMEJO  | VRMJ   |   |  |                                      |    |    |    |

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_

22. Surface Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: \_\_\_\_\_

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No

23b. If 23 is No: ☒ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
SEE ATTACHED

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 170 ft 26. Total Acres in Lease: \_\_\_\_\_ 22317

**DRILLING PLANS AND PROCEDURES**

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☐ No

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: BURY/HAUL

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

| Casing Type | Size of Hole | Size of Casing | Wt/Ft      | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|------------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 17+1/2       | 13+3/8         | 54         | 0             | 45            | 98        | 45      | 0       |
| SURF        | 11           | 8+5/8          | 24         | 0             | 375           | 250       | 375     | 0       |
| 1ST         | 7+7/8        | 5+1/2          | 15.5       | 0             | 2,566         | 100       | 2,566   | 1,858   |
|             |              |                | Stage Tool |               | 1,858         | 290       | 1,858   | 0       |

32. BOP Equipment Type: ☐ Annular Preventer ☐ Double Ram ☒ Rotating Head ☐ None

33. Comments THERE IS A WATER WELLS WITHIN 1 MILE OF THE PROPOSED LOCATION. ADD'L SURF CSG IS REQUIRED.

34. Location ID: \_\_\_\_\_

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

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

Signed: \_\_\_\_\_ Print Name: Kelly K. Kardos

Title: Sr. Permitting Tech Date: 5/13/2011 Email: kelly\_kardos@xtoenergy.com

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

**API NUMBER**

05 071 09879 00

Permit Number: \_\_\_\_\_ Expiration Date: 6/28/2013

**CONDITIONS OF APPROVAL, IF ANY:**

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) Provide 48 hour notice of MIRU to John Duran at 719-846-4715 or email John.Duran@state.co.us.
- 2) Provide cement coverage of production casing from TD to 50' above surface casing shoe. Verify coverage with cement bond log.
- 3) Immediately cease operations and notify the COGCC in the event of any operational problem that could potentially impact water wells in the area.

**Attachment Check List**

| Att Doc Num | Name                 |
|-------------|----------------------|
| 400164669   | FORM 2 SUBMITTED     |
| 400164678   | PLAT                 |
| 400164680   | TOPO MAP             |
| 400164681   | CONSULT NOTICE       |
| 400164684   | WAIVERS              |
| 400164685   | PROPOSED BMPs        |
| 400164687   | LEASE MAP            |
| 400164688   | SURFACE AGRMT/SURETY |

Total Attach: 8 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.<br>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.<br>What do you need from me? I understand an earlier notification would help, but what else?<br>Has XTO contacted you, if so, are you currently negotiation an SUA for these wells and surface locations?<br>Let me know the best way to handle these and future applications. Email sent to Al Trujillo DOW. BY | 5/19/2011<br>9:49:20 AM    |

Total: 1 comment(s)

## **BMP**

| <u>Type</u>  | <u>Comment</u>  |
|--------------|---|
| Construction | <p>Certificate to Discharge Under CDPS General Permit No. COR-030000<br/> Stormwater Discharges Associated with Construction Certification No. COR034312<br/> 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.<br/> 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.<br/> 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.<br/> 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)