

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 270187

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                           |  |                               |
|-----------------------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>XTO PERMIAN OPERATING LLC.<br>6401 HOLIDAY HILL ROAD<br>MIDLAND, TX 79707 |  | 2. OGRID Number<br>373075     |
| 4. Property Code<br>325656                                                                                |  | 3. API Number<br>30-015-46205 |
| 5. Property Name<br>PLU 32 BD EL MURCIELAGO MON STATE                                                     |  | 6. Well No.<br>001Y           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| C        | 32      | 25S      | 30E   |         | 720       | N        | 1350      | W        | Eddy   |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| C        | 32      | 25S      | 30E   | C       | 720       | N        | 1350      | W        | Eddy   |

**9. Pool Information**

|               |       |
|---------------|-------|
| STRATAGRAPHIC | 98210 |
|---------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>GAS        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3158 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>12646 | 18. Formation<br>Cisco                 | 19. Contractor          | 20. Spud Date<br>7/23/2019         |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 24        | 18.625      | 87.5             | 450           | 715             | 0             |
| Int1 | 17.5      | 13.375      | 68               | 3683          | 2248            | 0             |
| Int2 | 12.25     | 9.625       | 40               | 9907          | 2046            | 0             |
| Prod | 8.75      | 5.5         | 17               | 12646         | 571             | 9407          |

**Casing/Cement Program: Additional Comments**

|                                                              |
|--------------------------------------------------------------|
| DV tool may be set in 9-5/8" intermediate between 3700-8000' |
|--------------------------------------------------------------|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 10000            | 10000         |              |

|                                                                                                                                                                                                                                                                                                                      |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br><br>Signature: | <b>OIL CONSERVATION DIVISION</b>                         |
| Printed Name: Electronically filed by Tracie J Cherry                                                                                                                                                                                                                                                                | Approved By: Raymond Podany                              |
| Title: Regulatory Analyst                                                                                                                                                                                                                                                                                            | Title: Geologist                                         |
| Email Address: Tracie_Cherry@xtoenergy.com                                                                                                                                                                                                                                                                           | Approved Date: 7/24/2019      Expiration Date: 7/24/2021 |
| Date: 7/23/2019      Phone: 432-683-2277                                                                                                                                                                                                                                                                             | Conditions of Approval Attached                          |

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**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**  
**OIL CONSERVATION DIVISION**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                    |                                                              |                                         |
|------------------------------------|--------------------------------------------------------------|-----------------------------------------|
| <sup>1</sup> API Number<br>30-015- | <sup>2</sup> Pool Code<br>98210                              | <sup>3</sup> Pool Name<br>STRATAGRAPHIC |
| <sup>4</sup> Property Code         | <sup>5</sup> Property Name<br>PLU 32 EL MURCIELAGO MON STATE |                                         |
| <sup>7</sup> OGRID No.<br>373075   | <sup>8</sup> Operator Name<br>XTO PERMIAN OPERATION, LLC.    |                                         |
|                                    |                                                              | <sup>6</sup> Well Number<br>001Y        |
|                                    |                                                              | <sup>9</sup> Elevation<br>3,158'        |

**<sup>10</sup> Surface Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 32      | 25 S     | 30 E  |         | 720           | NORTH            | 1,350         | WEST           | EDDY   |

**<sup>11</sup> Bottom Hole Location If Different From Surface**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                                    |                               |                                  |                         |
|------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>0 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>16</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 48%;"> <p><b>GEODETIC COORDINATES</b><br/>NAD 27 NME<br/>SURFACE LOCATION<br/>Y= 397,291.3<br/>X= 631,973.1<br/>LAT.= 32.091553°N<br/>LONG.= 103.907184°W</p> <p><b>CORNER COORDINATES TABLE</b><br/>NAD 27 NME</p> <table style="width: 100%; font-size: small;"> <tr><td>A - Y= 397,997.0 N, X= 630,622.4 E</td></tr> <tr><td>B - Y= 398,025.4 N, X= 633,293.4 E</td></tr> <tr><td>C - Y= 398,341.7 N, X= 630,625.4 E</td></tr> <tr><td>D - Y= 398,366.6 N, X= 633,290.8 E</td></tr> </table> </div> <div style="width: 48%;"> <p><b>GEODETIC COORDINATES</b><br/>NAD 83 NME<br/>SURFACE LOCATION<br/>Y= 397,349.3<br/>X= 673,158.3<br/>LAT.= 32.091878°N<br/>LONG.= 103.907686°W</p> <p><b>CORNER COORDINATES TABLE</b><br/>NAD 83 NME</p> <table style="width: 100%; font-size: small;"> <tr><td>A - Y= 398,055.0 N, X= 671,807.5 E</td></tr> <tr><td>B - Y= 398,083.4 N, X= 674,478.6 E</td></tr> <tr><td>C - Y= 398,399.7 N, X= 671,810.5 E</td></tr> <tr><td>D - Y= 398,424.5 N, X= 674,476.0 E</td></tr> </table> </div> </div> | A - Y= 397,997.0 N, X= 630,622.4 E | B - Y= 398,025.4 N, X= 633,293.4 E | C - Y= 398,341.7 N, X= 630,625.4 E | D - Y= 398,366.6 N, X= 633,290.8 E | A - Y= 398,055.0 N, X= 671,807.5 E | B - Y= 398,083.4 N, X= 674,478.6 E | C - Y= 398,399.7 N, X= 671,810.5 E | D - Y= 398,424.5 N, X= 674,476.0 E | <p><b>17 OPERATOR CERTIFICATION</b><br/><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p style="text-align: right;"><i>Kelly Kardos</i>      7/23/19</p> <hr/> <p>Signature      Date</p> <p>Kelly Kardos</p> <hr/> <p>Printed Name</p> <p>kelly_kardos@xtoenergy.com</p> <hr/> <p>E-mail Address</p><br><p><b>18 SURVEYOR CERTIFICATION</b><br/><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>7-23-2019</p> <hr/> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <div style="text-align: center;"> </div> <p>MARK DILLON HARP 23786</p> <hr/> <p>Certificate Number      JC      2019020573</p> |
| A - Y= 397,997.0 N, X= 630,622.4 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| B - Y= 398,025.4 N, X= 633,293.4 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| C - Y= 398,341.7 N, X= 630,625.4 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| D - Y= 398,366.6 N, X= 633,290.8 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| C - Y= 398,399.7 N, X= 671,810.5 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| D - Y= 398,424.5 N, X= 674,476.0 E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments

Permit 270187

**PERMIT COMMENTS**

|                                                                                                                  |  |                                                  |
|------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|
| Operator Name and Address:<br>XTO PERMIAN OPERATING LLC. [373075]<br>6401 HOLIDAY HILL ROAD<br>MIDLAND, TX 79707 |  | API Number:<br>30-015-46205                      |
|                                                                                                                  |  | Well:<br>PLU 32 BD EL MURCIELAGO MON STATE #001Y |

| Created By | Comment                                                                                                                 | Comment Date |
|------------|-------------------------------------------------------------------------------------------------------------------------|--------------|
| kkardos    | The original well (30-015-45980) was drilled and abandoned due to a casing failure while drilling the 24" surface hole. | 7/23/2019    |
| kkardos    | The original well (30-015-45980) was drilled and abandoned due to a casing failure while drilling the 24" surface hole. | 7/23/2019    |

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Form APD Conditions

Permit 270187

**PERMIT CONDITIONS OF APPROVAL**

|                                     |  |                                         |
|-------------------------------------|--|-----------------------------------------|
| Operator Name and Address:          |  | API Number:                             |
| XTO PERMIAN OPERATING LLC. [373075] |  | 30-015-46205                            |
| 6401 HOLIDAY HILL ROAD              |  | Well:                                   |
| MIDLAND, TX 79707                   |  | PLU 32 BD EL MURCIELAGO MON STATE #001Y |

|              |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|
| OCD Reviewer | Condition                                                                           |
| rpodany      | Cement is required to circulate on both surface and intermediate1 strings of casing |
| rpodany      | Submit C 103 for Monitor Well designation.                                          |