

DISTRICT I  
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Phone: (575) 748-1283 Fax: (575) 748-9720

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

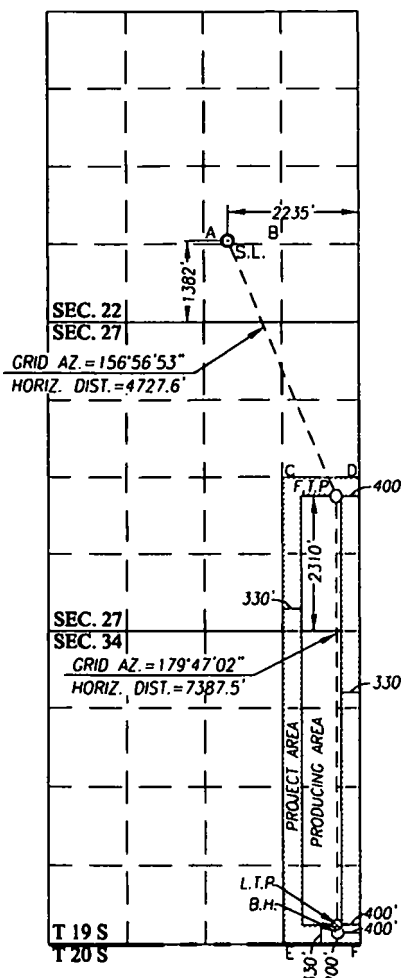
NM OIL CONSERVATION  
ARTESIA DISTRICT  
AUG 02 2018  
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Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                      |                                                 |                      |                                                |                               |
|------------------------------------------------|----------------------|-------------------------------------------------|----------------------|------------------------------------------------|-------------------------------|
| API Number<br><b>30-015-45136</b>              |                      | Pool Code<br><b>97020</b>                       |                      | Pool Name<br><b>Hackberry, Bone Spring, NW</b> |                               |
| Dedication Code<br><b>322180</b>               |                      | Property Name<br><b>BUTTERCUP 27-34 FEDERAL</b> |                      |                                                | Well Number<br><b>4H</b>      |
| OGRID No.<br><b>005380</b>                     |                      | Operator Name<br><b>XTO ENERGY</b>              |                      |                                                | Elevation<br><b>3285'</b>     |
| Surface Location                               |                      |                                                 |                      |                                                |                               |
| UL or lot No.<br><b>J</b>                      | Section<br><b>22</b> | Township<br><b>19-S</b>                         | Range<br><b>30-E</b> | Lot Idn                                        | Feet from the<br><b>1382</b>  |
|                                                |                      | North/South line<br><b>SOUTH</b>                |                      | Feet from the<br><b>2235</b>                   | East/West line<br><b>EAST</b> |
|                                                |                      | County<br><b>EDDY</b>                           |                      |                                                |                               |
| Bottom Hole Location If Different From Surface |                      |                                                 |                      |                                                |                               |
| UL or lot No.<br><b>P</b>                      | Section<br><b>34</b> | Township<br><b>19-S</b>                         | Range<br><b>30-E</b> | Lot Idn                                        | Feet from the<br><b>200</b>   |
|                                                |                      | North/South line<br><b>SOUTH</b>                |                      | Feet from the<br><b>400</b>                    | East/West line<br><b>EAST</b> |
|                                                |                      | County<br><b>EDDY</b>                           |                      |                                                |                               |
| Dedicated Acres<br><b>240</b>                  |                      | Joint or Infill                                 | Consolidation Code   | 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



SCALE: 1"=3000'

| GEODEIC COORDINATES<br>NAD 83 NME      |                                    | GEODEIC COORDINATES<br>NAD 27 NME  |                                    |
|----------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| SURFACE LOCATION                       |                                    | SURFACE LOCATION                   |                                    |
| Y = 597643.5 N                         | X = 656715.7 E                     | Y = 597581.1 N                     | X = 615535.8 E                     |
| LAT. = 32.642411° N                    | LONG. = 103.958495° W              | LAT. = 32.642292° N                | LONG. = 103.957992° W              |
| FIRST TAKE POINT<br>NAD 83 NME         |                                    | FIRST TAKE POINT<br>NAD 27 NME     |                                    |
| Y = 593294.4 N                         | X = 658566.4 E                     | Y = 593232.1 N                     | X = 617386.4 E                     |
| LAT. = 32.630438° N                    | LONG. = 103.952534° W              | LAT. = 32.630319° N                | LONG. = 103.952031° W              |
| CORNER COORDINATES TABLE<br>NAD 27 NME |                                    |                                    |                                    |
| A - Y = 597518.2 N, X = 615129.3 E     | B - Y = 597520.6 N, X = 616449.9 E | C - Y = 593561.9 N, X = 616463.8 E | D - Y = 593564.2 N, X = 617785.1 E |
| E - Y = 585644.9 N, X = 616491.6 E     | F - Y = 585647.3 N, X = 617814.8 E |                                    |                                    |
| CORNER COORDINATES TABLE<br>NAD 83 NME |                                    |                                    |                                    |
| A - Y = 597580.6 N, X = 656309.1 E     | B - Y = 597583.0 N, X = 657629.8 E | C - Y = 593624.2 N, X = 657643.8 E | D - Y = 593626.5 N, X = 658965.1 E |
| E - Y = 585707.0 N, X = 657671.7 E     | F - Y = 585709.4 N, X = 658994.9 E |                                    |                                    |
| LAST TAKE POINT<br>NAD 83 NME          |                                    | LAST TAKE POINT<br>NAD 27 NME      |                                    |
| Y = 586038.6 N                         | X = 658593.8 E                     | Y = 585976.5 N                     | X = 617413.6 E                     |
| LAT. = 32.610494° N                    | LONG. = 103.952529° W              | LAT. = 32.610375° N                | LONG. = 103.952027° W              |
| BOTTOM HOLE LOCATION<br>NAD 83 NME     |                                    | BOTTOM HOLE LOCATION<br>NAD 27 NME |                                    |
| Y = 585908.7 N                         | X = 658594.2 E                     | Y = 585846.5 N                     | X = 617414.1 E                     |
| LAT. = 32.610137° N                    | LONG. = 103.952529° W              | LAT. = 32.610018° N                | LONG. = 103.952027° W              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| OPERATOR CERTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. |                                               |
| Signature<br><i>Stephanie Rabadue</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date<br><i>5-5-17</i>                         |
| Printed Name<br><i>Stephanie Rabadue</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| E-mail Address<br><i>Stephanie.rabadue@xtoenergy.com</i>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| SURVEYOR CERTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| 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.                                                                                                                                                                                                                                                                               |                                               |
| Date of Survey<br><i>9/09/2016</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                               |
| Signature & Seal of Professional Surveyor<br><i>Ronald J. Eidson</i>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| Certificate Number<br><i>3239</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Gary G. Eidson 12641<br>Ronald J. Eidson 3239 |
| ACK REV. 9/8/16 JWSC W.O.: 16.11.0407                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |

Rw 8-2-18



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Drilling Plan Data Report

07/24/2018

APD ID: 10400014648

Submission Date: 05/30/2017

Highlighted data  
reflects the most  
recent changes

Operator Name: XTO ENERGY INCORPORATED

Well Name: BUTTERCUP 27-34 FEDERAL

Well Number: 4H

Show Final Text

Well Type: OIL WELL

Well Work Type: Drill

### Section 1 - Geologic Formations

| Formation ID | Formation Name  | Elevation | True Vertical Depth | Measured Depth | Lithologies                     | Mineral Resources                              | Producing Formation |
|--------------|-----------------|-----------|---------------------|----------------|---------------------------------|------------------------------------------------|---------------------|
| 1            | ---             | 3285      | 0                   | 0              | ALLUVIUM, OTHER :<br>Quaternary | NONE                                           | No                  |
| 2            | RUSTLER         | 3062      | 231                 | 231            | SANDSTONE                       | USEABLE WATER                                  | No                  |
| 3            | TOP SALT        | 2807      | 486                 | 486            | SALT                            | NONE                                           | No                  |
| 4            | BASE OF SALT    | 1807      | 1486                | 1486           | SALT                            | NONE                                           | No                  |
| 5            | YATES           | 1622      | 1671                | 1671           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | No                  |
| 6            | CAPTAN REEF     | 992       | 2301                | 2301           | LIMESTONE                       | USEABLE WATER                                  | No                  |
| 7            | CHERRY CANYON   | -703      | 3996                | 3996           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | No                  |
| 8            | BRUSHY CANYON   | -1303     | 4596                | 4596           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | No                  |
| 9            | BONE SPRING     | -2813     | 6106                | 6106           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | No                  |
| 10           | BONE SPRING 1ST | -4281     | 7574                | 7574           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | No                  |
| 11           | BONE SPRING 2ND | -5105     | 8398                | 8398           | SANDSTONE                       | NATURAL<br>GAS, OIL, OTHER :<br>Produced Water | Yes                 |

### Section 2 - Blowout Prevention

Pressure Rating (PSI): 2M

Rating Depth: 450

**Equipment:** The blow out preventer equipment (BOP) for the temporary wellhead consists of a 21-1/4" minimum 2M Hydril. MASP should not exceed 466 psi. 2M diagram attached.

**Requesting Variance?** YES

**Variance request:** A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

**Testing Procedure:** All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure.

**Choke Diagram Attachment:**