

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit Original  
to Appropriate  
District Office

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

**NOV 28 2018**

**GAS CAPTURE PLAN**

Date: 12/06/17

**RECEIVED**

☒ Original

Operator & OGRID No.: BOPCO, LP [260737]

☐ Amended - Reason for Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

**Well(s)/Production Facility – Name of facility: Poker Lake Unit 28 BS East CTB**

The well(s) that will be located at the production facility are shown in the table below.

| Well Name                                             | API | Well Location (ULSTR) | Footages              | Expected MCF/D | Flared or Vented | Comments |
|-------------------------------------------------------|-----|-----------------------|-----------------------|----------------|------------------|----------|
| Poker Lake Unit 28 BS 701H                            |     | E-28-25S-31E          | 2310' FNL & 600' FWL  | 3200           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 901H                            |     | E-28-25S-31E          | 2310' FNL & 630' FWL  | 2900           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 121H                            |     | E-28-25S-31E          | 2310' FNL & 660' FWL  | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 122H                            |     | E-28-25S-31E          | 2310' FNL & 690' FWL  | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 102H                            |     | E-28-25S-31E          | 2310' FNL & 720' FWL  | 3100           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 703H                            |     | F-28-25S-31E          | 2310' FNL & 1920' FWL | 3200           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 903H                            |     | F-28-25S-31E          | 2310' FNL & 1950' FWL | 2900           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 123H                            |     | F-28-25S-31E          | 2310' FNL & 1980' FWL | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 124H                            |     | F-28-25S-31E          | 2310' FNL & 2010' FWL | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 104H                            |     | F-28-25S-31E          | 2310' FNL & 2040' FWL | 3100           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 705H                            |     | G-28-25S-31E          | 2310' FNL & 2040' FEL | 3200           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 905H                            |     | G-28-25S-31E          | 2310' FNL & 2010' FEL | 2900           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 125H                            |     | G-28-25S-31E          | 2310' FNL & 1980' FWL | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 126H                            |     | G-28-25S-31E          | 2310' FNL & 1950' FEL | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 106H                            |     | G-28-25S-31E          | 2310' FNL & 1920' FEL | 3100           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 707H                            |     | H-28-25S-31E          | 2310' FNL & 720' FEL  | 3200           | Flared/Sold      |          |
| <del>Poker Lake Unit 28 BS 907H</del><br>30-015-45491 |     | H-28-25S-31E          | 2310' FNL & 690' FEL  | 2900           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 127H                            |     | H-28-25S-31E          | 2310' FNL & 660' FEL  | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 128H                            |     | H-28-25S-31E          | 2310' FNL & 630' FEL  | 5000           | Flared/Sold      |          |
| Poker Lake Unit 28 BS 108H                            |     | H-28-25S-31E          | 2310' FNL & 600' FWL  | 3100           | Flared/Sold      |          |



**Database:** EDM 5000.1 Single User Db  
**Company:** XTO Energy  
**Project:** Eddy County, NM (NAD-27)  
**Site:** PLU 28 Big Sinks  
**Well:** #907H  
**Wellbore:** OH  
**Design:** PERMIT

**Local Co-ordinate Reference:** Well #907H  
**TVD Reference:** RKB = 27' @ 3364.00usft  
**MD Reference:** RKB = 27' @ 3364.00usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

**Design Targets**

| Target Name<br>- hit/miss target<br>- Shape                                                                                | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude  | Longitude   |
|----------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------|-------------|
| 907H: SHL (2310' FNI)<br>- plan hits target center<br>- Point                                                              | 0.00             | 0.00            | 0.00          | 0.00            | 0.00            | 401,304.50         | 672,491.20        | 32.102077 | -103.776287 |
| 907H: PBHL (200' FS)<br>- plan hits target center<br>- Point                                                               | 0.00             | 0.00            | 11,402.84     | -13,418.50      | -263.80         | 387,886.00         | 672,227.40        | 32.065195 | -103.777362 |
| 907H: LTP,<br>- plan misses target center by 0.18usft at 24468.40usft MD (11403.97 TVD, -13288.50 N, -264.18 E)<br>- Point | 0.00             | 0.00            | 11,403.97     | -13,288.50      | -264.00         | 388,016.00         | 672,227.20        | 32.065552 | -103.777360 |
| 907H: FTP/ LP,<br>- plan hits target center<br>- Point                                                                     | 0.00             | 0.00            | 11,514.00     | -680.50         | -301.50         | 400,624.00         | 672,189.70        | 32.100211 | -103.777272 |

**Formations**

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name                | Lithology | Dip<br>(°) | Dip<br>Direction<br>(°) |
|-----------------------------|-----------------------------|---------------------|-----------|------------|-------------------------|
| 948.00                      | 948.00                      | Rustler             |           |            |                         |
| 1,319.00                    | 1,319.00                    | Top Salt            |           |            |                         |
| 4,062.00                    | 4,062.00                    | Base Salt           |           |            |                         |
| 4,274.00                    | 4,274.00                    | Delaware            |           |            |                         |
| 5,251.00                    | 5,251.00                    | Cherry Canyon       |           |            |                         |
| 6,937.00                    | 6,937.00                    | Brushy Canyon       |           |            |                         |
| 7,986.59                    | 7,986.00                    | Basal Brushy Canyon |           |            |                         |
| 8,197.39                    | 8,196.00                    | Bone Spring         |           |            |                         |
| 9,270.48                    | 9,265.00                    | 1st Bone Spring Ss  |           |            |                         |
| 9,674.02                    | 9,667.00                    | 2nd Bone Spring Lm  |           |            |                         |
| 9,896.86                    | 9,889.00                    | 2nd Bone Spring Ss  |           |            |                         |
| 10,450.97                   | 10,441.00                   | 3rd Bone Spring Lm  |           |            |                         |
| 11,174.98                   | 11,157.00                   | 3rd Bone Spring Ss  |           |            |                         |