

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  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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# State of New Mexico

Energy, Minerals and Natural Resources Department

Submit Original  
to Appropriate  
District Office

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT IV-ARTESIA O.C.D.

## GAS CAPTURE PLAN

Date: 04/26/2019

☒ Original

Operator & OGRID No.: XTO Permian Operating, LLC [373075]

☐ 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, recomplete 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 18 TWR 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 Unit18 TWR 107H |     | A-19-24S-31E          | 175'FNL & 566'FEL  | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 121H |     | 1-19-24S-31E          | 75'FNL & 535'FWL   | 3000           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 152H |     | 1-19-24S-31E          | 40'FNL & 535'FWL   | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 161H |     | 1-19-24S-31E          | 5'FNL & 535'FWL    | 4800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 162H |     | 1-19-24S-31E          | 5'FNL & 785'FWL    | 4800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 122H |     | 1-19-24S-31E          | 40'FNL & 785'FWL   | 4300           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 103H |     | C-19-24S-31E          | 648'FNL & 2420'FWL | 2600           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 153H |     | C-19-24S-31E          | 613'FNL & 2420'FWL | 2700           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 164H |     | C-19-24S-31E          | 578'FNL & 2420'FWL | 2600           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 154H |     | C-19-24S-31E          | 578'FNL & 2670'FWL | 4300           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 124H |     | C-19-24S-31E          | 613'FNL & 2670'FWL | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 126H |     | B-19-24S-31E          | 265'FNL & 1856'FEL | 4800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 166H |     | B-19-24S-31E          | 230'FNL & 1856'FEL | 3300           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 165H |     | B-19-24S-31E          | 230'FNL & 2106'FEL | 2900           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 155H |     | B-19-24S-31E          | 265'FNL & 2106'FEL | 3000           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 125H |     | B-19-24S-31E          | 300'FNL & 2106'FEL | 2600           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 128H |     | A-19-24S-31E          | 140'FNL & 566'FEL  | 2700           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 158H |     | A-19-24S-31E          | 105'FNL & 566'FEL  | 2600           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 157H |     | A-19-24S-31E          | 105'FNL & 816'FEL  | 4300           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 167H |     | A-19-24S-31E          | 140'FNL & 816'FEL  | 4300           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 127H |     | A-19-24S-31E          | 175'FNL & 816'FEL  | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 102H |     | 1-19-24S-31E          | 75'FNL & 785'FWL   | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 104H |     | C-19-24S-31E          | 648'FNL & 2670'FWL | 2800           | Flared/Sold      |          |
| Poker Lake Unit18 TWR 105H |     | B-19-24S-31E          | 300'FNL & 1856'FEL | 2800           | Flared/Sold      |          |

### **Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Lucid and will be connected to Lucid low/high pressure gathering system located in Eddy County, New Mexico. It will require 760.75' of pipeline to connect the facility to low/high pressure gathering system. XTO Permian Operating, LLC provides (periodically) to Lucid a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, XTO Permian Operating, LLC and Lucid have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Red Hills Plant, Sec. 13, T24S, R33E or Roadrunner, Sec. 32, T32S, R28E, Eddy County. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### **Flowback Strategy**

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Lucid system at that time. Based on current information, it is XTO Permian Operating, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

### **Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines