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

GAS CAPTURE PLAN

Date: 03/26/2019

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: XTO Permian Operating, LLC [260737]

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 27 BD West 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 27 BD 161H		E-27-25S-30E	2510'FNL & 603'FWL	4800	Flared/Sold	
Poker Lake Unit 27 BD 121H		E-27-25S-30E	2510'FNL & 633'FWL	4300	Flared/Sold	
Poker Lake Unit 27 BD 102H		E-27-25S-30E	2510'FNL & 663'FWL	2800	Flared/Sold	
Poker Lake Unit 27 BD 152H		E-27-25S-30E	2510'FNL & 693'FWL	4800	Flared/Sold	
Poker Lake Unit 27 BD 122H		E-27-25S-30E	2510'FNL & 723'FWL	4300	Flared/Sold	
Poker Lake Unit 27 BD 103H		F-27-25S-30E	2510'FNL & 1923'FWL	2800	Flared/Sold	
Poker Lake Unit 27 BD 163H		F-27-25S-30E	2510'FNL & 1953'FWL	4800	Flared/Sold	
Poker Lake Unit 27 BD 124H		F-27-25S-30E	2510'FNL & 1983'FWL	2800	Flared/Sold	
Poker Lake Unit 27 BD 154H		F-27-25S-30E	2510'FNL & 2013'FWL	4800	Flared/Sold	
Poker Lake Unit 27 BD 104H		F-27-25S-30E	2510'FNL & 2043'FWL	2800	Flared/Sold	
Poker Lake Unit 27 BD 165H		G-27-25S-30E	2510'FNL & 2038'FEL	4800	Flared/Sold	
Poker Lake Unit 27 BD 125H		G-27-25S-30E	2510'FNL & 2008'FEL	2800	Flared/Sold	
Poker Lake Unit 27 BD 105H		G-27-25S-30E	2510'FNL & 1978'FEL	2800	Flared/Sold	
Poker Lake Unit 27 BD 126H		G-27-25S-30E	2510'FNL & 1948'FEL	4300	Flared/Sold	
Poker Lake Unit 27 BD 156H		G-27-25S-30E	2510'FNL & 1918'FEL	4800	Flared/Sold	
Poker Lake Unit 27 BD 106H		H-27-25S-30E	2290'FNL & 1123'FEL	2800	Flared/Sold	
Poker Lake Unit 27 BD 167H		H-27-25S-30E	2290'FNL & 1093'FEL	4800	Flared/Sold	
Poker Lake Unit 27 BD 107H		H-27-25S-30E	2290'FNL & 1063'FEL	2800	Flared/Sold	
Poker Lake Unit 27 BD 128H		H-27-25S-30E	2290'FNL & 1033'FEL	4300	Flared/Sold	

Poker Lake Unit 27 BD 158H		H-27-25S-30E	2290'FNL & 1003'FEL	4800	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 2401' 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 Processing Plant located in Sec.32, Twn. T32S, Rng 28E, Eddy County, New Mexico. 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