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: April 22, 2019

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: LOGOS Operating, LLC / 289408

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

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
Rosa Unit 654H	30-039-31384	A-25-31N-09W	1053 FNL, 298 FEL	0	N/A	
Rosa Unit 656H	30-039-31383	A-25-31N-09W	1068 FNL, 289 FEL	0	N/A	

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 Harvest and will be connected to Harvest low/high pressure gathering system located in San Juan County, New Mexico. It will require 250' of pipeline to connect the facility to low/high pressure gathering system. LOGOS provides (periodically) to Harvest a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, LOGOS and Harvest have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Harvest Ignacio Processing Plant located in Sec. 35/36, Twn. 34N, Rng. 9W, LaPLata County, Colorado. 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, during cleanout/ drillout and flowback operations, the well(s) will be produced through temporary production tank(s), while monitoring the fluids and sand content. Gas will be directed to the sales line, as this is a dry gas reservoir, and production facilities will be installed prior to completion. If at any time, gas is non-pipeline quality, then a small amount of gas might be flared or vented. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on the Harvest gathering system at that time. Based on current information, it is LOGOS'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

NMOCD
APR 22 2019
DISTRICT III