

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

Date: April 22, 2019

**GAS CAPTURE PLAN**

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, 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**

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

**MMOCD**

**APR 22 2019**

**DISTRICT III**