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

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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: Jan 22, 2019

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: 373013

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
Medusa 2635 State #1H		C-26-20S-35E	100 FNL 2400 FWL	1500	21 days	Flare ~21 d on flowback, then turn to battery. Time estimate depends on sales connect & well cleanup.
Medusa 2635 State #2H		D-26-20S-35E	100 FNL 330 FWL	1500	21 days	Same as above.
Medusa 2635 State #3H		B-26-20S-35E	100 FNL 1980 FEL	1500	21 days	Same as above.
Medusa 2635 State #4H	30-025-45581	A-26-20S-35E	100 FNL 330 FEL	1500	21 days	Same as above.

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. Targa Midstream Services is currently gathering gas from our existing production on the same acreage as the proposed new horizontal wells. Ridge Runner Resources Operating (RRR) plans to connect to Targa Midstream (Targa) low pressure gathering systems located on section 26-20S-35E, Lea county, NM. It will require approx. 1300' of pipeline to connect the facility to this low pressure gathering system. RRR provides (periodically) to Gatherer a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. If changes occur that will affect the estimated date of first production, RRR will notify Gatherer. Gas from these wells will be processed at Targa's Monument plant in Sec 36 – T19S – R36E, Lea County, New Mexico. Any issues with downstream facilities could cause flaring at the wellhead. 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 the gathering system at that time. Based on current information, it is RRR'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