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

OCD - HOBBS District Office 04/17/2020 RECEIVED

Submit Original

## GAS CAPTURE PLAN

Date: 1/06/2020		
⊠ Original	Operator & OGRID No.:	COG Operating LLC, (229137)
☐ 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

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
Valor Federal Com 706H	30-025-	C-35-25S-33E	210' FNL & 1990' FWL	±3500	None Planned	APD Submission Plan Subject to change
Valor Federal Com 707H	30-025-	C-35-25S-33E	210' FNL & 1960' FWL	±3500	None Planned	APD Submission Plan Subject to change
Valor Federal Com 708H	30-025- <b>47105</b>	D-35-25S-33E	210' FNL & 675' FWL	±3500	None Planned	APD Submission Plan Subject to change
Valor Federal Com 709H	30-025-	D-35-25S-33E	210' FNL & 645' FWL	±3500	None Planned	APD Submission Plan Subject to change

# **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 ETC and will be connected to Jal low/high pressure gathering system located in Lea County, New Mexico. COG Operating LLC provides (periodically) to ETC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG Operating LLC and ETC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Jal Processing Plant located in Sec. 33, Twn. 24S, Rng 37E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### Flowback Strategy

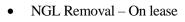
After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Gas Transporter system at that time. Based on current information, it is Operator'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
  - o Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
  - o Gas flared would be minimal, but might be uneconomical to operate when gas volume declines



o Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines