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District III
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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

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 17 2018

GAS CAPTURE PLAN

Date: 9/28/17

RECEIVED

☒ Original

Operator & OGRID No.: BOPCO, LP [260737]

☐ 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, 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: Brushy Draw 30 & 31 Federal 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
Brushy Draw 30 Fed 102H		M-30-25S-30E	330' FSL & 1175' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 122H		M-30-25S-30E	330' FSL & 1205' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 703H		M-30-25S-30E	330' FSL & 1145' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 701H		M-30-25S-30E	330' FSL & 340' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 121H		M-30-25S-30E	330' FSL & 400' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 901H		M-30-25S-30E	330' FSL & 370' FWL	2300	Flared/Sold	
Brushy Draw 30 Fed 104H		N-30-25S-30E	330' FSL & 2010' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 123H		N-30-25S-30E	330' FSL & 1980' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 903H		N-30-25S-30E	330' FSL & 1950' FWL	2300	Flared/Sold	
Brushy Draw 30 Fed 106H		O-30-25S-30E	330' FSL & 1615' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 125H		O-30-25S-30E	330' FSL & 1585' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 126H		O-30-25S-30E	330' FSL & 1555' FWL	3960	Flared/Sold	
Brushy Draw 31 Fed 124H		B-31-25S-30E	223' FNL & 2344' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 905H		B-31-25S-30E	223' FNL & 2284' FEL	2300	Flared/Sold	
Brushy Draw 31 Fed 705H	30-015 45200	B-31-25S-30E	2200' FNL & 600' FEL	2530	Flared/Sold	
Brushy Draw 31 Fed 108H		H-31-25S-30E	2200' FNL & 600' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 127H		H-31-25S-30E	2200' FNL & 660' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 128H		H-31-25S-30E	2200' FNL & 631' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 707H		H-31-25S-30E	2200' FNL & 720' FEL	2530	Flared/Sold	
Brushy Draw 31 Fed 907H		H-31-25S-30E	2200' FNL & 690' FEL	2300	Flared/Sold	

Gathering System and Pipeline Installation

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 Enlink and will be connected to Enlink low/high pressure gathering system located in Loving County, Texas. It will require 0' of pipeline to connect the facility to low/high pressure gathering system. BOPCO provides (periodically) to Enlink a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, BOPCO and Enlink have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Enlink Processing Plant located in Block 27, Sec. 4, Loving County, Texas. 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 Enlink system at that time. Based on current information, it is BOPCO'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