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1220 S. St. Francis Dr., Santa Fe, NM 87505

NM OIL CONSERVATION  
 ARTESIA DISTRICT  
 JUN 27 2018

State of New Mexico  
 Energy, Minerals and Natural Resources Department  
 Oil Conservation Division  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

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 to Appropriate  
 District Office

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**GAS CAPTURE PLAN**

Date: 9/29/17

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: PLU 15 Twin Wells Ranch West 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
PLU 15 Twin Wells Ranch 701H		M-15-24S-31E	300' FSL & 1130' FWL	2900	Flared/Sold	
PLU 15 Twin Wells Ranch 901H		M-15-24S-31E	330' FSL & 1130' FWL	3000	Flared/Sold	
PLU 15 Twin Wells Ranch 102H		M-15-24S-31E	360' FSL & 1130' FWL	2800	Flared/Sold	
PLU 15 Twin Wells Ranch 121H		M-15-24S-31E	390' FSL & 1130' FWL	4800	Flared/Sold	
PLU 15 Twin Wells Ranch 122H		M-15-24S-31E	420' FSL & 1130' FWL	4800	Flared/Sold	
PLU 15 Twin Wells Ranch 125H		N-15-24S-31E	330' FSL & 2590' FWL	4300	Flared/Sold	
PLU 15 Twin Wells Ranch 705H		N-15-24S-31E	330' FSL & 2530' FWL	2600	Flared/Sold	
PLU 15 Twin Wells Ranch 905H		N-15-24S-31E	330' FSL & 2560' FWL	2700	Flared/Sold	
PLU 15 Twin Wells Ranch 104H		N-15-24S-31E	360' FSL & 1805' FWL	2800	Flared/Sold	
PLU 15 Twin Wells Ranch 123H		N-15-24S-31E	390' FSL & 1805' FWL	4800	Flared/Sold	
PLU 15 Twin Wells Ranch 124H		N-15-24S-31E	420' FSL & 1805' FWL	3300	Flared/Sold	
PLU 15 Twin Wells Ranch 703H		N-15-24S-31E	300' FSL & 1805' FWL	2900	Flared/Sold	
PLU 15 Twin Wells Ranch 903H		N-15-24S-31E	330' FSL & 1805' FWL	3000	Flared/Sold	
PLU 15 Twin Wells Ranch 106H		O-15-24S-31E	360' FSL & 1965' FEL	2600	Flared/Sold	
<del>PLU 15 Twin Wells Ranch 126H</del>		O-15-24S-31E	390' FSL & 1965' FEL	4300	Flared/Sold	
PLU 15 Twin Wells Ranch 707H		O-15-24S-31E	300' FSL & 1965' FEL	2600	Flared/Sold	
PLU 15 Twin Wells Ranch 907H		O-15-24S-31E	330' FSL & 1965' FEL	2700	Flared/Sold	
PLU 15 Twin Wells Ranch 108H		P-15-24S-31E	330' FSL & 1230' FEL	2600	Flared/Sold	
PLU 15 Twin Wells Ranch 127H		P-15-24S-31E	330' FSL & 1260' FEL	4300	Flared/Sold	
PLU 15 Twin Wells Ranch 128H		P-15-24S-31E	330' FSL & 1230' FEL	4300	Flared/Sold	

30-015-45057

### **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 Enlink and will be connected to Enlink low/high pressure gathering system located in Loving County, Texas. It will require 145' 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