State of New Mexico Energy, Minerals and Natural Resources Department

Submit Original to Appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

## GAS CAPTURE PLAN

Date: February 6, 2017

□ Original Operator & OGRID No.: WPX Energy Production, LLC OGRID No. 120782
○ Amended - Reason for Amendment: CORRECTED FOOTAGES

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: A 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

# FEB 0 6 2017

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
W LYBROOK UT #712H	30-045- 35776	Sec. 13, T23N, R9W	UL: F SHL: 1999' FNL & 2478' FWL	1345	Flared	
W LYBROOK UT #710H	30-045- 35803	Sec. 13, T23N, R9W	UL: F SHL: 1961' FNL & 2464' FWL	1522	Flared	
W LYBROOK UT #714H	30-045- 35802	Sec. 13, T23N, R9W	UL: F SHL: 2036' FNL & 2492' FEL	1522	Flared	
W LYBROOK UT #750H	30-045- 35804	Sec. 13, T23N, R9W	UL: F SHL: 1942' FNL & 2457' FWL	2849	Flared	- 1100
W LYBROOK UT #751H	30-045- 35806	Sec. 13, T23N, R9W	UL: F SHL: 1980' FNL & 2471' FWL	3072	Flared	
W LYBROOK UT #752H	30-045- 35805	Sec. 13, T23N, R9W	UL: F SHL: 2017' FNL & 2485' FWL	3165	Flared	

## **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 <u>NA</u> and will be connected to <u>See Below</u> low/high pressure gathering system located in <u>San Juan</u> County, New Mexico. It will require <u>21907.7'</u> of pipeline to connect the facility to low/high pressure gathering system. <u>WPX Energy</u> provides (periodically) to <u>See Below</u> a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, <u>WPX Energy</u> and <u>See Below</u> have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at <u>See Below</u> Processing Plant located in Sec. <u>See Below</u> , Twn. , Rng. , 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 <u>See Below</u> system at that time. Based on current information, it is <u>WPX Energy</u> 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**

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

## WPX Energy Production, LLC:

#### Gas Capture Plan: Gas Transporter Processing Plant Information

WPX Energy Production, LLC has the ability to deliver to the below listed Gas Processing Plants at any time with the gathering infrastructure that is in place today.

1. Ignacio Gas Plant- Williams

Section 22, T35N, R9W La Plata County Colorado

2. Chaco Gas Plant- Enterprise

Section, 16, T26N, R12W San Juan County New Mexico