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811 S. First St., Artesia, NM 88210

District III  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

JUN 03 2019 Energy, Minerals and Natural Resources Department

Submit Original  
to Appropriate  
District Office

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT II-ARTESIA O.C.D.

**GAS CAPTURE PLAN**Date: 5/31/2019☒ OriginalOperator & OGRID No.: Titus Oil & Gas Production, LLC 373986☐ 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 – Todd 2-24S-31E 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
Todd 2-24S-31E State 202H		N, SEC 22, T23S, R29E	255' FSL and 2610' FWL			Todd 2-24S-31E CTB will be utilized
Todd 2-24S-31E State 203H		O, SEC 22, T23S, R29E	255' FSL and 2613' FEL			Todd 2-24S-31E CTB will be utilized
Todd 2-24S-31E State 207H		O, SEC 22, T23S, R29E	210' FSL and 2613' FEL			Todd 2-24S-31E CTB will be utilized
Todd 2-24S-31E State 304H		N, SEC 22, T23S, R29E	255' FSL and 2640' FWL			Todd 2-24S-31E CTB will be utilized
Todd 2-24S-31E State 405H		N, SEC 22, T23S, R29E	210' FSL and 2640' FWL			Todd 2-24S-31E CTB will be utilized
Todd 2-24S-31E State 434H		N, SEC 22, T23S, R29E	210' FSL and 2610' FWL			Todd 2-24S-31E CTB will be utilized

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, where a gas transporter system is in place. The gas produced from production facility is dedicated to DCP and is connected to DCP low pressure gathering system located in Eddy County, New Mexico. Titus provides (periodically) to DCP a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Titus and DCP have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Processing Plant located in T23S, R28E, Eddy County, NM. 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
  - 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