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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

Submit Original  
in Appropriate  
District Office

DEC 03 2019

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**GAS CAPTURE PLAN**

Date: 6/17/2019

Original Operator & OGRID No.: EOG Resources, Inc. 7377  
 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
Valiant 24 Fed Com 501H	30-025-***	L-24-25S-32E	2107 FSL & 497 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 502H	30-025-***	L-24-25S-32E	2098 FSL & 1277 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 503H	30-025-*** A 4-6966	K-24-25S-32E	2087 FSL & 2187 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 601H	30-025-***	L-24-25S-32E	2167 FSL & 590 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 602H	30-025-***	K-24-25S-32E	2158 FSL & 1403 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 603H	30-025-***	K-24-25S-32E	2147 FSL & 2346 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 604H	30-025-***	J-24-25S-32E	2048 FSL & 1423 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 605H	30-025-***	I-24-25S-32E	1833 FSL & 489 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 701H	30-025-***	L-24-25S-32E	2167 FSL & 557 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 702H	30-025-***	L-24-25S-32E	2167 FSL & 623 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 703H	30-025-***	K-24-25S-32E	2158 FSL & 1370 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 704H	30-025-***	K-24-25S-32E	2147 FSL & 2247 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 705H	30-025-***	K-24-25S-32E	2147 FSL & 2313 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 706H	30-025-***	J-24-25S-32E	2115 FSL & 2178 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 707H	30-025-***	J-24-25S-32E	2117 FSL & 2112 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 708H	30-025-***	J-24-25S-32E	2015 FSL & 1423 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 709H	30-025-***	I-24-25S-32E	1833 FSL & 522 FEL	±3500	None Planned	APD Submission

Valiant 24 Fed Com 710H	30-025-***	I-24-25S-32E	1833 FSL & 456 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 721H	30-025-***	K-24-25S-32E	2158 FSL & 1337 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 722H	30-025-***	K-24-25S-32E	2147 FSL & 2280 FWL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 723H	30-025-***	J-24-25S-32E	2116 FSL & 2145 FEL	±3500	None Planned	APD Submission
Valiant 24 Fed Com 724H	30-025-***	J-24-25S-32E	1982 FSL & 1423 FEL	±3500	None Planned	APD Submission

### **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 **Enterprise Field Services / Lucid Energy** and will be connected to **EOG Resources** low/high pressure gathering system located in Eddy/Lea County, New Mexico. **EOG Resources** provides (periodically) to **Enterprise Field Services / Lucid Energy** a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, **EOG Resources** and **Enterprise Field Services / Lucid Energy** have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at **Enterprise Field Services / Lucid Energy** Processing Plant located in **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 **Enterprise Field Services / Lucid Energy** system at that time. Based on current information, it is **EOG Resources'** 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