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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

**HOBBS OCD**  
NOV 14 2019  
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Submit Original  
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District Office

**GAS CAPTURE PLAN**

Date: 04/10/2019

☒ Original  
☐ Amended - Reason for Amendment: \_\_\_\_\_

Operator & OGRID No.: EOG Resources, Inc. 7377

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**

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
Icy 18 Fed 501H	30-025-***	1-18-25S-33E	210 FNL & 534 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 502H	30-025-***	1-18-25S-33E	210 FNL & 567 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 503H	30-025-***	C-18-25S-33E	260 FNL & 1524 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 504H	30-025-***	C-18-25S-33E	260 FNL & 1557 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 505H	30-025-***	C-18-25S-33E	260 FNL & 2497 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 506H	30-025-***	B-18-25S-33E	260 FNL & 1776 FEL	±3500	None Planned	APD Submission
Icy 18 Fed 507H	30-025-***	B-18-25S-33E	260 FNL & 1743 FEL	±3500	None Planned	APD Submission
Icy 18 Fed 701H	30-025-***	1-18-25S-33E	150 FNL & 627 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 702H	30-025-***	1-18-25S-33E	150 FNL & 660 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 703H	30-025-***	1-18-25S-33E	150 FNL & 693 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 704H	30-025-***	C-18-25S-33E	200 FNL & 1650 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 705H	30-025-***	C-18-25S-33E	200 FNL & 1683 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 706H	30-025-***	C-18-25S-33E	200 FNL & 2557 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 707H	30-025-***	C-18-25S-33E	200 FNL & 2623 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 708H	30-025-***	B-18-25S-33E	200 FNL & 1683 FEL	±3500	None Planned	APD Submission
Icy 18 Fed 709H	30-025-***	B-18-25S-33E	200 FNL & 1650 FEL	±3500	None Planned	APD Submission
Icy 18 Fed 721H	30-025-***	C-18-25S-33E	200 FNL & 1617 FWL	±3500	None Planned	APD Submission

Icy 18 Fed 722H	30-025-***	C-18-25S-33E	200 FNL & 2590 FWL	±3500	None Planned	APD Submission
Icy 18 Fed 723H *	30-025-*** 46512	B-18-25S-33E	200 FNL & 1617 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