

District I  
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  
to Appropriate  
District Office

**HOBBS OCD**

MAY 09 2019

**RECEIVED**

**GAS CAPTURE PLAN**

Date: 5/7/2019

☒ Original

Operator & OGRID No.: OXY USA INC. - 16696

☐ 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**

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
Avogato 30-31 State Com 34H	Pending	B-30-22S-33E	240 FNL 1820 FEL	3646	0	
Avogato 30-31 State Com 31H	Pending	C-30-22S-33E	240 FNL 1350 FWL	3646	0	
Avogato 30-31 State Com 35H	Pending	B-30-22S-33E	240 FNL 1785 FEL	3646	0	
Avogato 30-31 State Com 32H	Pending	C-30-22S-33E	240 FNL 1385 FWL	3646	0	
Avogato 30-31 State Com 21H	Pending	C-30-22S-33E	420 FNL 1350 FWL	2123	0	
Avogato 30-31 State Com 33H	Pending	C-30-22S-33E	240 FNL 1420 FWL	3646	0	
Avogato 30-31 State Com 22H	Pending	C-30-22S-33E	420 FNL 1385 FWL	2123	0	
Avogato 30-31 State Com 4H	Pending	A-30-22S-33E	160 FNL 1120 FEL	1728	0	
Avogato 30-31 State Com 13H	Pending	B-30-22S-33E	160 FNL 2375 FEL	2299	0	
Avogato 30-31 State Com 23H	Pending	C-30-22S-33E	420 FNL 1420 FWL	2123	0	
Avogato 30-31 State Com 24H	Pending	B-30-22S-33E	420 FNL 1820 FEL	2123	0	
Avogato 30-31 State Com 11H	Pending	D-30-22S-33E	160 FNL 885 FWL	2299	0	
Avogato 30-31 State Com 74H	Pending	A-30-22S-33E	160 FNL 1155 FEL	1574	0	
Avogato 30-31 State Com 14H	Pending	B-30-22S-33E	160 FNL 2340 FEL	2299	0	
Avogato 30-31 State Com 25H	Pending	B-30-22S-33E	420 FNL 1785 FEL	2123	0	
Avogato 30-31 State Com 12H	Pending	D-30-22S-33E	160 FNL 920 FWL	2299	0	
Avogato 30-31 State Com 71H	Pending	C-30-22S-33E	240 FNL 2195 FWL	1574	0	
Avogato 30-31 State Com 73H	Pending	C-30-22S-33E	240 FNL 2265 FWL	1574	0	
Avogato 30-31 State Com 1H	Pending	C-30-22S-33E	420 FNL 2195 FWL	1728	0	
Avogato 30-31 State Com 3H	Pending	C-30-22S-33E	420 FNL 2265 FWL	1728	0	

### **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 Midstream, LP ("DCP") and will be connected to DCP's low/high pressure gathering system located in Lea County, New Mexico. OXY USA INC. ("OXY") 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, OXY and DCP have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP's Zia Processing Plant located in Sec. 19, Twn. 19S, Rng. 32E, 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 DCP's system at that time. Based on current information, it is OXY'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