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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

Submit Original  
to Appropriate  
District Office

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

OIL CONSERVATION  
ARTESIA DISTRICT

MAR 05 2018

**GAS CAPTURE PLAN**

Date: 05-25-2017

RECEIVED

☒ 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
Cedar Canyon 8 Fed Com 24H	Pending 30-015-44794	Unit P / Sec. 8, T24S, R29E	238FSL 172FEL	2,062	0	
Cedar Canyon 17 Fed Com 21H	Pending	Unit P / Sec. 8, T24S, R29E	238FSL 142FEL	2,062	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 Enterprise Field Services, LLC ("Enterprise") and is connected to Enterprise low/high pressure gathering system located in Eddy County, New Mexico. OXY USA INC. ("OXY") provides (periodically) to Enterprise a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, OXY and Enterprise have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at OXY USA WTP LP Processing Plant located in Sec. 23, Twn. 21S, Rng. 23E, Eddy 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 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

## **Surface Use Plan of Operations**

**Operator Name/Number:** OXY USA Inc. – 16696  
**Lease Name/Number:** Cedar Canyon 8 Federal Com #24H  
**Pool Name/Number:** Corral Draw Bone Spring 96238  
**Surface Location:** 238 FSL 172 FEL SESE (P) Sec 8 T24S R29E – Fee  
**Bottom Hole Location:** 380 FSL 180 FWL SWSW (M) (4) Sec 7 T24S R29E - Fee

### **1. Existing Roads**

- a. A copy of the USGS “Pierce Canyon, NM” quadrangle map is attached showing the proposed location. The well location is spotted on the map, which shows the existing road system.
- b. The well was staked by Terry J. Asel, Certificate No. 15079 on 9/12/16, certified 3/31/17.
- c. Directions to Location: From the intersection of USH 285 and Black River Village Road in Malaga, go east on CR 720 for 1.3 miles. Turn right on CR 746 (McDonald Rd) and go south for 0.8 miles. Continue southeast/east for 4.8 miles, curve to the left for 0.4 miles. Turn left and go west for 0.1 miles. Turn right and go north for 0.4 miles. Turn left and go west for 0.3 miles. Turn right and go north for 0.5 miles. Go east for 0.2 miles and then north for 0.1 miles. Turn left and go northerly for 1.6 miles, continue west for 0.7 miles then turn left and go south for 0.1 miles. Turn right on proposed road and go west for 407.2’ to location.

### **2. New or Reconstructed Access Roads:**

- a. A new access road will be built. The access road will run 407.2’ west through pasture to the northeast corner of the pad.
- b. The maximum width of the road will be 14’. It will be crowned and made up of 6” of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. Turnouts every 1000’ as needed.
- e. Blade, water and repair existing caliche roads as needed.
- f. Water Bars will be incorporated every 200’ during the construction of the road.

### **3. Location of Existing Wells:**

Existing wells within a one mile radius of the proposed well are shown on attached plat.

### **4. Location of Existing and/or Proposed Facilities:**

- a. In the event the well is found productive, the Harroun Valley CC 9 Central Tank Battery would be utilized and the necessary production equipment will be installed at the well site. See proposed facilities layout diagram.
- b. All flow lines will adhere to API standards. They will consist of 2 – 4” composite flowlines operating < 75% MAWP, surface lines to follow surveyed route. Survey of a strip of land 30’ wide and 4174.5’ in length crossing Fee Land in Sections 8 & 9 T24S R29E, NMPM, Eddy County, NM and being 15’ left and 15’ right of the centerline survey, see attached.