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

GAS CAPTURE PLAN

☒ Original
☐ Amended

Date: 09/07/2017

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: A C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule 19.15.18.12.A

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
Dodd Federal Unit #915H	30-015-44671	UL-M Sec 10, T17S, R29E	695 FSL 1110 FWL	50	0	

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 **Frontier Field Services as primary purchaser** and will be connected to **Frontier's** low/high pressure gathering system located in **Eddy** County, New Mexico. It will require **no additional pipeline** to connect the facility to low/high pressure gathering system **because it will go to an existing meter. Please note there is also an existing offload meter to DCP which will be utilized**. COG Operating, LLC provides (periodically) to **Frontier and DCP** a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG Operating, LLC and **Frontier and DCP** have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at **Frontier's Maljamar** Processing Plant located in **Sec. 28, T17S, R32E in Lea** County, New Mexico. **When the DCP offload meter is utilized the gas is processed in DCP's Linam Plant located in Sec. 6, T19S, R37E in Lea 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 **Frontier's and DCP's** system at that time. Based on current information, it is COG Operating, LLC 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

APD ID: 10400002604 **Submission Date:** 05/17/2017

Operator Name: COG OPERATING LLC

Well Name: DODD FEDERAL UNIT **Well Number:** 915H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Dodd_Federal_Unit_915H_Vicinity_Plat_03-21-2017.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Dodd_Federal_Unit_915H_New_Road_Plat_03-21-2017.pdf

New road type: RESOURCE

Length: 100.04 Feet **Width (ft.):** 30

Max slope (%): 3 **Max grade (%):** 1

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns.

New road access plan or profile prepared? YES

New road access plan attachment:

New_Access_Road_Plan_03-21-2017.pdf

Access road engineering design? NO