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District III  
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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

Date: 5-19-18

X Original Ascent Energy, LLC & OGRID No.: Ascent Energy, LLC (325830)  
☐ Amended - Reason for Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Ascent Energy, LLC 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	SHL (ULSTR)	SHL Footages	Expected MCF/D	Flared or Vented	Comments
Gavilon Fed Com 201H	30-025-	M-33-20s-33e	125' FSL & 617' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 303H	30-025-	M-33-20s-33e	125' FSL & 642' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 304H	30-025-	M-33-20s-33e	125' FSL & 767' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 401H	30-025-	M-33-20s-33e	125' FSL & 667' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 503H	30-025-	M-33-20s-33e	125' FSL & 742' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 504H	30-025-	M-33-20s-33e	125' FSL & 817' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 602H	30-025-	M-33-20s-33e	125' FSL & 692' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 703H	30-025-	M-33-20s-33e	125' FSL & 717' FWL	200	≈30 days	flare until well clean, then connect
Gavilon Fed Com 704H	30-025- <u>46585</u>	M-33-20s-33e	125' FSL & 792' FWL	200	≈30 days	flare until well clean, then connect

## Gathering System and Pipeline Notification

Well will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. Gas produced from this production facility has not yet been dedicated. One possible outlet is DCP. DCP has 2 pipelines in SWSW Section 33 Ascent Energy, LLC's Gavilan Federal 1 is connected to DCP in L-33-20s-33e. Ascent Energy, LLC will provide (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, Ascent Energy, LLC and DCP will have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Processing Plant at an as yet undetermined location. 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 system at that time. Based on current information, it is Ascent Energy, LLC 's belief the system ultimately 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