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

Date: October 11, 2017

☒ Original
☐ Amended - Reason for Amendment:

Operator & OGRID No.: Remnant Oil Operating LLC OGRID 370922

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: 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 30-015-xxxxx	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
North Square Lake Unit #205		G-29-16S-31E	1800' FNL 1500' FEL	None	None Planned	APD Submission

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete. This well is not expected to make any gas.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and any gas encountered 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.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
- Compressed Natural Gas – On lease
- NGL Removal – On lease

Operator Name: REMNANT OIL OPERATING LLC OGRID #370922

Well Name: NORTH SQUARE LAKE UNIT **Well Number:** 205

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 1800 **Anticipated Surface Pressure:** 764.68

Anticipated Bottom Hole Temperature(F): 110

Anticipated abnormal proessures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

North_Square_Lake_Unit_205_H2S_Plan_07-05-2017.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Other proposed operations facets description:

Other proposed operations facets attachment:

Other Variance attachment: