



Certificate of Analysis
 Number: 5030-18110072-011A

Midland Laboratory
 3312 Bankhead Highway
 Midland, TX 79701
 Phone 432-689-7252

Ethan McMahon
 Comm Engineering
 1319 West Pinhook Rd
 Suite 401
 Lafayette, LA 70503

Dec. 13, 2018

Station Name: LEA UNIT CTB/TPG
 Station Location: LEA COUNTY NM
 Sample Point: HEATER TREATER
 Analyzed: 11/08/2018 20:32:52 by Administrator

Sampled By: JOSEPH WHITAKER
 Sample Of: Gas Spot
 Sample Date: 11/07/2018 07:50
 Sample Conditions: 35 psig, @ 111 °F
 Method: GPA 2286

Analytical Data

| Components | Mol. % | Wt. % | GPM at 14.65 psia | | |
|------------------|----------------|----------------|----------------------|----------------|--------|
| Hydrogen Sulfide | 0.010 | 0.013 | | GPM TOTAL C2+ | 10.094 |
| Nitrogen | 2.745 | 2.844 | | GPM TOTAL C3+ | 6.044 |
| Carbon Dioxide | 3.903 | 6.352 | | GPM TOTAL iC5+ | 1.133 |
| Methane | 58.216 | 34.536 | | | |
| Ethane | 15.145 | 16.841 | 4.050 | | |
| Propane | 11.467 | 18.699 | 3.159 | | |
| Iso-butane | 1.474 | 3.168 | 0.482 | | |
| n-Butane | 4.028 | 8.658 | 1.270 | | |
| Iso-pentane | 0.867 | 2.313 | 0.317 | | |
| n-Pentane | 0.904 | 2.412 | 0.328 | | |
| Hexanes Plus | 1.241 | 4.164 | 0.488 | | |
| | <u>100.000</u> | <u>100.000</u> | <u>10.094</u> | | |

| Calculated Physical Properties | Total | C6+ |
|--|--------|--------|
| Relative Density Real Gas | 0.9383 | 3.1036 |
| Calculated Molecular Weight | 27.04 | 89.89 |
| Compressibility Factor | 0.9943 | |
| GPA 2172 Calculation: | | |
| Calculated Gross BTU per ft³ @ 14.65 psia & 60°F | | |
| Real Gas Dry BTU | 1458 | 4790 |
| Water Sat. Gas Base BTU | 1433 | 4707 |

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Preliminary Production Data

| Facility Name | Event Date | Flare mcf |
|----------------------|-------------------|------------------|
| Lea Unit CTB/TPG | 3/16/2024 | 1300 mcf |

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 1625 N. French Dr., Hobbs, NM 88240
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 364607

DEFINITIONS

| | |
|--|---|
| Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202 | OGRID: 330396 |
| | Action Number: 364607 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 364607

QUESTIONS

| | |
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QUESTIONS

Prerequisites

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

| | |
|-------------------|---|
| Incident ID (n#) | Unavailable. |
| Incident Name | Unavailable. |
| Incident Type | Flare |
| Incident Status | Unavailable. |
| Incident Facility | [fAPP2202735715] LEA UNIT CTB/TPG BT20445 |

Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.

Determination of Reporting Requirements

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

| | |
|--|---|
| Was this vent or flare caused by an emergency or malfunction | No |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event | No |
| Is this considered a submission for a vent or flare event | Yes, major venting and/or flaring of natural gas. |

An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

| | |
|---|-----|
| Was there at least 50 MCF of natural gas vented and/or flared during this event | Yes |
| Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No |
| Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence | No |

Equipment Involved

| | |
|---|---------------|
| Primary Equipment Involved | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

| | |
|--|----|
| Methane (CH4) percentage | 58 |
| Nitrogen (N2) percentage, if greater than one percent | 3 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 4 |
| Oxygen (O2) percentage, if greater than one percent | 0 |

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

| | |
|---|---|
| Methane (CH4) percentage quality requirement | 0 |
| Nitrogen (N2) percentage quality requirement | 0 |
| Hydrogen Sulfide (H2S) PPM quality requirement | 0 |
| Carbon Dioxide (CO2) percentage quality requirement | 0 |
| Oxygen (O2) percentage quality requirement | 0 |

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QUESTIONS, Page 2

Action 364607

QUESTIONS (continued)

| | |
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| Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202 | OGRID: 330396 |
| | Action Number: 364607 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

QUESTIONS

| Date(s) and Time(s) | |
|--|------------|
| Date vent or flare was discovered or commenced | 03/16/2024 |
| Time vent or flare was discovered or commenced | 06:00 AM |
| Time vent or flare was terminated | 06:00 AM |
| Cumulative hours during this event | 0 |

| Measured or Estimated Volume of Vented or Flared Natural Gas | |
|---|---|
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Cause: High Line Pressure Gas Compressor Station Natural Gas Flared Released: 1,300 MCF Recovered: 0 MCF Lost: 1,300 MCF. |
| Other Released Details | Not answered. |
| Additional details for Measured or Estimated Volume(s). Please specify | Not answered. |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report. |

| Venting or Flaring Resulting from Downstream Activity | |
|---|---------------|
| Was this vent or flare a result of downstream activity | No |
| Was notification of downstream activity received by this operator | No |
| Downstream OGRID that should have notified this operator | 0 |
| Date notified of downstream activity requiring this vent or flare | |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste | |
|---|--|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control | True |
| Please explain reason for why this event was beyond this operator's control | Unexpected high line pressure due to 3rd party receiving increased volumes causing compressor station issue. |
| Steps taken to limit the duration and magnitude of vent or flare | Consistent communication with the midstream provider |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | Consistent communication with the midstream provider to resolve high line pressure. |

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ACKNOWLEDGMENTS

Action 364607

ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC. |
| <input checked="" type="checkbox"/> | I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act. |
| <input checked="" type="checkbox"/> | I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment. |
| <input checked="" type="checkbox"/> | I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations. |

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CONDITIONS

Action 364607

CONDITIONS

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| | Action Number: 364607 |
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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| twelem | If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 7/16/2024 |