



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

GAS ANALYSIS REPORT

LAB REPORT NUMBER: HM-12109 - 02092021

PHYSICAL CONSTANTS PER GPA 2145-16

| | | | |
|-----------------|-----------------------|----------------|--------------|
| CUSTOMER: | BTA OIL PRODUCERS LLC | DATE ANALYZED: | 2/18/2021 |
| STATION: | 80937047 | DATE ON: | 2/9/2021 |
| PRODUCER: | BTA OIL PRODUCERS | DATE OFF: | |
| LEASE: | MESA 9H | SAMPLED BY | Landon Petit |
| EFFECTIVE DATE: | 3/1/2021 | | |

| <u>COMPONENT:</u> | <u>MOLE %</u> | <u>GPM</u> | <u>WT. %</u> |
|-------------------|----------------|--------------|----------------|
| H2S | 0.000 | | 0.000 |
| OXYGEN | 0.077 | | 0.102 |
| NITROGEN | 1.362 | | 1.584 |
| CARBON DIOXIDE | 7.173 | | 13.103 |
| METHANE | 67.435 | | 44.903 |
| ETHANE | 12.412 | 3.315 | 15.491 |
| PROPANE | 7.155 | 1.968 | 13.095 |
| I-BUTANE | 0.945 | 0.309 | 2.280 |
| N-BUTANE | 2.096 | 0.660 | 5.056 |
| I-PENTANE | 0.469 | 0.171 | 1.404 |
| N-PENTANE | 0.465 | 0.168 | 1.392 |
| HEXANE PLUS | <u>0.411</u> | <u>0.178</u> | <u>1.590</u> |
| TOTAL | 100.000 | 6.769 | 100.000 |

(ALL VALUES CALCULATED @ 14.65 PSIA + 60 DEG. F)

| | | | |
|--------------|--------|---------------|---------|
| REAL GRAVITY | 0.8351 | BTU WET BASIS | 1218.61 |
| MOL WT. | 24.093 | BTU DRY BASIS | 1239.78 |
| H2S PPM: | 0.000 | CO2 %: | |

| | | | |
|-------------|----------|---------------|---------|
| SAMPLE TYPE | SPOT | SAMPLE PRESS: | 124 |
| CYLINDER NO | HM-12109 | SAMPLE TEMP: | 88 |
| NOTES | | COUNTY/STATE: | LEA, NM |

3/23/2021



Mesa 18H Flare Gas'

10/25/2021

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District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

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

QUESTIONS

Action 60927

QUESTIONS

| | |
|---|--|
| Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701 | OGRID: 260297 |
| | Action Number: 60927 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

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 Well | [30-025-43079] MESA 8105 JV P #009H |
| Incident Facility | Not answered. |

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 or is this venting and/or flaring caused by an emergency or malfunction | No |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event | Yes |
| Is this considered a submission for a venting and/or flaring event | Yes, minor 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event | Yes |
| Did this venting and/or flaring 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 venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence | No |

Equipment Involved

| | |
|---|----------------|
| Primary Equipment Involved | Pipeline (Any) |
| 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 | 67 |
| Nitrogen (N2) percentage, if greater than one percent | 1 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 7 |
| 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 | Not answered. |
| Nitrogen (N2) percentage quality requirement | Not answered. |
| Hydrogen Sulfide (H2S) PPM quality requirement | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement | Not answered. |
| Oxygen (O2) percentage quality requirement | Not answered. |

Date(s) and Time(s)

| | |
|---|------------|
| Date venting and/or flaring was discovered or commenced | 10/25/2021 |
| Time venting and/or flaring was discovered or commenced | 12:00 AM |
| Time venting and/or flaring was terminated | 11:59 PM |
| Cumulative hours during this event | 24 |

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 Plant Natural Gas Flared Released: 77 Mcf Recovered: 0 Mcf Lost: 77 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 or is this venting and/or flaring a result of downstream activity | Not answered. |
| Was notification of downstream activity received by you or your operator | Not answered. |
| Downstream OGRID that should have notified you or your operator | Not answered. |
| Date notified of downstream activity requiring this venting and/or flaring | Not answered. |
| Time notified of downstream activity requiring this venting and/or flaring | Not answered. |

Steps and Actions to Prevent Waste

| | |
|--|-------------------|
| For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control. | True |
| Please explain reason for why this event was beyond your operator's control | Spontaneous Event |
| Steps taken to limit the duration and magnitude of venting and/or flaring | Battery Redesign |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring | Battery Redesign |

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CONDITIONS

Action 60927

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| | Action Number: 60927 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition | Condition Date |
|--------------|--|----------------|
| vanessa king | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 11/9/2021 |