



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

GAS ANALYSIS REPORT

LAB REPORT NUMBER: 8093-03-030121-09 - 02202021

PHYSICAL CONSTANTS PER GPA 2145-16

| | | | |
|-----------------|-----------------------|----------------|-----------|
| CUSTOMER: | BTA OIL PRODUCERS LLC | DATE ANALYZED: | 3/1/2021 |
| STATION: | 80939303 | DATE ON: | 2/20/2021 |
| PRODUCER: | BTA | DATE OFF: | |
| LEASE: | ROJO 25 CM | SAMPLED BY | JR |
| EFFECTIVE DATE: | 2/1/2021 | | |

| <u>COMPONENT:</u> | <u>MOLE %</u> | <u>GPM</u> | <u>WT. %</u> |
|-------------------|----------------|--------------|----------------|
| H2S | 0.000 | | 0.000 |
| OXYGEN | 0.031 | | 0.042 |
| NITROGEN | 1.100 | | 1.311 |
| CARBON DIOXIDE | 0.162 | | 0.303 |
| METHANE | 72.007 | | 49.149 |
| ETHANE | 13.156 | 3.515 | 16.832 |
| PROPANE | 7.193 | 1.980 | 13.496 |
| I-BUTANE | 0.949 | 0.310 | 2.347 |
| N-BUTANE | 2.525 | 0.795 | 6.245 |
| I-PENTANE | 0.573 | 0.209 | 1.758 |
| N-PENTANE | 0.691 | 0.250 | 2.121 |
| HEXANE PLUS | <u>1.614</u> | <u>0.699</u> | <u>6.397</u> |
| TOTAL | 100.000 | 7.759 | 100.000 |

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

| | | | |
|--------------|--------|---------------|---------|
| REAL GRAVITY | 0.8150 | BTU WET BASIS | 1366.12 |
| MOL WT. | 23.503 | BTU DRY BASIS | 1389.83 |
| H2S PPM: | 4.000 | CO2 %: | |

| | | | |
|-------------|------|---------------|-----|
| SAMPLE TYPE | SPOT | SAMPLE PRESS: | 98 |
| CYLINDER NO | 1001 | SAMPLE TEMP: | 105 |
| NOTES | SPOT | COUNTY/STATE: | |

3/4/2021

Rojo 22-25 Flare

7/3/2021

Gas Volumes are reported 1 day late

| CHART | | TABLE | | | |
|-----------------|-----------|-----------------|------------|---------|----------------------------|
| Property | Yesterday | DOWNLOAD CSV | Date Range | 30 days | Sta... 06/08/2021 07:55 AM |
| | | | | | End 07/08/2021 07:55 AM |
| TimeStamp | | Yesterday (mcf) | | | |
| 7/4/21 11:42 AM | | | | 57 | ▲ |
| 7/4/21 10:44 AM | | | | 57 | |
| 7/4/21 9:44 AM | | | | 57 | |
| 7/4/21 8:44 AM | | | | 57 | |
| 7/4/21 7:44 AM | | | | 57 | |
| 7/4/21 6:44 AM | | | | 57 | |
| 7/4/21 5:44 AM | | | | 57 | |
| 7/4/21 4:44 AM | | | | 57 | |
| 7/4/21 3:44 AM | | | | 57 | |
| 7/4/21 2:44 AM | | | | 57 | |
| 7/4/21 1:44 AM | | | | 57 | |
| 7/4/21 12:44 AM | | | | 57 | |
| 7/3/21 11:44 PM | | | | 57 | |
| 7/3/21 10:44 PM | | | | 57 | ▼ |

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 35473

QUESTIONS

| | |
|---|--|
| Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701 | OGRID: 260297 |
| | Action Number: 35473 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

QUESTIONS**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 or flaring caused by an emergency or malfunction | No |
| Did or will this venting 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 notification of a major venting or flaring | Yes, minor venting or flaring of natural gas. |
| The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.297 NMAC. | |
| Was there or will there be at least 50 MCF of natural gas vented or flared during this event | Yes |
| Did this venting 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 |

Unregistered Facility Site

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

| | |
|-----------------------|------------------------|
| Facility or Site Name | Rojo 22-25 Flare Stack |
| Facility Type | Flare Stack - (FS) |

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 | 72 |
| Nitrogen (N2) percentage, if greater than one percent | 1 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 4 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 0 |
| 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 or flaring was discovered or commenced | 07/03/2021 |
| Time venting or flaring was discovered or commenced | 12:00 AM |
| Is the venting or flaring event complete | No |
| Date venting or flaring was terminated | 07/03/2021 |
| Time venting or flaring was terminated | 11:59 PM |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 24 |
| Longest duration of cumulative hours within any 24-hour period 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 Unknown Natural Gas Flared Spilled: 57 Mcf Recovered: 0 Mcf Lost: 57 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 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 or flaring a result of downstream activity | Yes |
| Date notified of downstream activity requiring this venting or flaring | Not answered. |
| Time notified of downstream activity requiring this venting 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 or flaring | Battery Redesign |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring | Battery Redesign |

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CONDITIONS

Action 35473

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| | Action Number: 35473 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| system | If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event. | 7/8/2021 |