



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

GAS ANALYSIS REPORT

LAB REPORT NUMBER: WT-1031 - 06052020

PHYSICAL CONSTANTS PER GPA 2145-16

| | | | |
|-----------------|-----------------------|----------------|----------------|
| CUSTOMER: | BTA OIL PRODUCERS LLC | DATE ANALYZED: | 6/17/2020 |
| STATION: | 80939249 | DATE ON: | 6/5/2020 |
| PRODUCER: | BTA | DATE OFF: | |
| LEASE: | VACA DRAW 14H CM | SAMPLED BY | Landon Johnson |
| EFFECTIVE DATE: | 6/1/2020 | | |

| <u>COMPONENT:</u> | <u>MOLE %</u> | <u>GPM</u> | <u>WT. %</u> |
|-------------------|----------------|--------------|----------------|
| H2S | 0.001 | | 0.000 |
| OXYGEN | 0.005 | | 0.007 |
| NITROGEN | 1.172 | | 1.449 |
| CARBON DIOXIDE | 0.105 | | 0.204 |
| METHANE | 72.702 | | 51.473 |
| ETHANE | 13.787 | 3.682 | 18.296 |
| PROPANE | 7.287 | 2.005 | 14.181 |
| I-BUTANE | 0.920 | 0.301 | 2.360 |
| N-BUTANE | 2.299 | 0.724 | 5.897 |
| I-PENTANE | 0.471 | 0.172 | 1.500 |
| N-PENTANE | 0.556 | 0.201 | 1.770 |
| HEXANE PLUS | <u>0.696</u> | <u>0.302</u> | <u>2.863</u> |
| TOTAL | 100.000 | 7.386 | 100.000 |

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

| | | | |
|--------------|--------|---------------|---------|
| REAL GRAVITY | 0.7854 | BTU WET BASIS | 1321.92 |
| MOL WT. | 22.659 | BTU DRY BASIS | 1344.88 |
| H2S PPM: | 7.000 | CO2 %: | |

| | | | |
|-------------|---------|---------------|---------|
| SAMPLE TYPE | SPOT | SAMPLE PRESS: | 96 |
| CYLINDER NO | WT-1031 | SAMPLE TEMP: | 90 |
| NOTES | | COUNTY/STATE: | LEA, NM |

7/8/2020

Vaca 12-15 Fed CTB

6/4/2021

Gas Volumes are reported 1 day late

CHART TABLE

Property Yesterday [DOWNLOAD CSV](#) Date Range 30 days Sta... 05/09/2021 08:54 AM End 06/08/2021 08:54 AM

| TimeStamp | Yesterday (mcf) |
|-----------------|-----------------|
| 6/5/21 9:21 PM | 72 |
| 6/5/21 8:21 PM | 72 |
| 6/5/21 7:21 PM | 72 |
| 6/5/21 6:21 PM | 72 |
| 6/5/21 5:21 PM | 72 |
| 6/5/21 5:20 PM | 72 |
| 6/5/21 4:52 PM | 72 |
| 6/5/21 3:52 PM | 72 |
| 6/5/21 2:52 PM | 72 |
| 6/5/21 1:52 PM | 72 |
| 6/5/21 12:52 PM | 72 |
| 6/5/21 11:52 AM | 72 |
| 6/5/21 10:52 AM | 72 |
| 6/5/21 9:52 AM | 72 |

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 31496

QUESTIONS

| | |
|---|--|
| Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701 | OGRID: 260297 |
| | Action Number: 31496 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| | |
|--|---|
| Determination of Reporting Requirements | |
| <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i> | |
| 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 19-1-29, 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 | |
| <i>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.</i> | |
| Facility or Site Name | Vaca Draw 12-15 CTB |
| Facility Type | Flare Stack - (FS) |

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

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| Representative Compositional Analysis of Vented or Flared Natural Gas | |
| <i>Please provide the mole percent for the percentage questions in this group.</i> | |
| Methane (CH4) percentage | 73 |
| Nitrogen (N2) percentage, if greater than one percent | 1 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 7 |
| 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 | 06/04/2021 |
| 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 | 06/04/2021 |
| 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 Separator Natural Gas Flared Spilled: 72 Mcf Recovered: 0 Mcf Lost: 72 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. |

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|--|---------------|
| 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. |

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| Steps and Actions to Prevent Waste | |
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|--|-------------------|
| 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
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|---|--|

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. | 6/11/2021 |