



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

**GAS ANALYSIS REPORT**

LAB REPORT NUMBER: 6419 - 01252021

PHYSICAL CONSTANTS PER GPA 2145-16

|                 |                       |                |                |
|-----------------|-----------------------|----------------|----------------|
| CUSTOMER:       | BTA OIL PRODUCERS LLC | DATE ANALYZED: | 1/26/2021      |
| STATION:        | 80939924              | DATE ON:       | 1/25/2021      |
| PRODUCER:       |                       | DATE OFF:      |                |
| LEASE:          | SOUTH RIDGE 2H        | SAMPLED BY     | Landon Johnson |
| EFFECTIVE DATE: | 1/1/2021              |                |                |

| <u>COMPONENT:</u> | <u>MOLE %</u>  | <u>GPM</u>   | <u>WT. %</u>   |
|-------------------|----------------|--------------|----------------|
| H2S               | 0.009          |              | 0.000          |
| OXYGEN            | 0.003          |              | 0.004          |
| NITROGEN          | 1.598          |              | 1.901          |
| CARBON DIOXIDE    | 2.417          |              | 4.518          |
| METHANE           | 72.088         |              | 49.119         |
| ETHANE            | 11.295         | 3.017        | 14.425         |
| PROPANE           | 6.693          | 1.842        | 12.536         |
| I-BUTANE          | 0.954          | 0.312        | 2.355          |
| N-BUTANE          | 2.260          | 0.712        | 5.579          |
| I-PENTANE         | 0.601          | 0.220        | 1.841          |
| N-PENTANE         | 0.585          | 0.212        | 1.792          |
| HEXANE PLUS       | <u>1.498</u>   | <u>0.649</u> | <u>5.929</u>   |
| <b>TOTAL</b>      | <b>100.000</b> | <b>6.962</b> | <b>100.000</b> |

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

|              |        |               |         |
|--------------|--------|---------------|---------|
| REAL GRAVITY | 0.8162 | BTU WET BASIS | 1304.54 |
| MOL WT.      | 23.544 | BTU DRY BASIS | 1327.20 |
| H2S PPM:     | 90.000 | CO2 %:        |         |

|             |      |               |     |
|-------------|------|---------------|-----|
| SAMPLE TYPE | SPOT | SAMPLE PRESS: | 104 |
| CYLINDER NO | 6419 | SAMPLE TEMP:  | 91  |
| NOTES       |      | COUNTY/STATE: |     |

1/26/2021

# South Ridge CTB

## 7/28/2021

### Gas Volumes are reported 1 day late

| CHART            |                     | TABLE        |            |
|------------------|---------------------|--------------|------------|
| Property         | Yesterday           | DOWNLOAD CSV | Date Range |
|                  |                     |              | 30 days    |
| Sta...           | 07/10/2021 10:02 AM |              |            |
| End              | 08/09/2021 10:02 AM |              |            |
| TimeStamp        | Yesterday (mcf)     |              |            |
| 7/29/21 12:55 PM | 105                 |              |            |
| 7/29/21 12:07 PM | 105                 |              |            |
| 7/29/21 11:07 AM | 105                 |              |            |
| 7/29/21 10:07 AM | 105                 |              |            |
| 7/29/21 9:07 AM  | 105                 |              |            |
| 7/29/21 8:07 AM  | 105                 |              |            |
| 7/29/21 8:04 AM  | 0                   |              |            |
| 7/29/21 7:37 AM  | 105                 |              |            |
| 7/29/21 6:37 AM  | 105                 |              |            |
| 7/29/21 5:37 AM  | 105                 |              |            |
| 7/29/21 4:37 AM  | 105                 |              |            |
| 7/29/21 3:37 AM  | 105                 |              |            |
| 7/29/21 2:37 AM  | 105                 |              |            |
| 7/29/21 1:36 AM  | 105                 |              |            |

**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 41181

**QUESTIONS**

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>41181                                |
|                                                                         | Action Type:<br>[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 19.13.29.7 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 | South Ridge CTB    |
| Facility Type         | Flare Stack - (FS) |

**Equipment Involved**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Primary Equipment Involved                                | Gas Plant     |
| 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                                                                         | 2             |
| Hydrogen Sulfide (H2S) PPM, rounded up                                                                                        | 90            |
| Carbon Dioxide (CO2) percentage, if greater than one percent                                                                  | 2             |
| 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                                 | 07/28/2021 |
| 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                                              | 07/28/2021 |
| 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   Gas Plant   Natural Gas Flared   Spilled: 105 Mcf   Recovered: 0 Mcf   Lost: 105 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                                                    | High Line Pressure |
| 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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|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>41181                                |
|                                                                         | Action Type:<br>[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. | 8/11/2021      |