



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>   |
| <b>TOTAL</b>      | <b>100.000</b> | <b>6.769</b> | <b>100.000</b> |

**(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 9H CTB

## 7/22/2021

### Gas Volumes are reported 1 day late

| CHART            |           | TABLE           |            |         |                            |
|------------------|-----------|-----------------|------------|---------|----------------------------|
| Property         | Yesterday | DOWNLOAD CSV    | Date Range | 30 days | Sta... 06/28/2021 04:54 PM |
|                  |           |                 |            |         | End 07/28/2021 04:54 PM    |
| TimeStamp        |           | Yesterday (MCF) |            |         |                            |
| 7/23/21 9:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 8:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 7:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 6:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 5:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 4:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 3:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 2:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 1:01 PM  |           |                 |            | 101.91  |                            |
| 7/23/21 12:01 PM |           |                 |            | 101.91  |                            |
| 7/23/21 11:01 AM |           |                 |            | 101.91  |                            |
| 7/23/21 10:01 AM |           |                 |            | 101.91  |                            |
| 7/23/21 9:01 AM  |           |                 |            | 101.91  |                            |
| 7/23/21 8:01 AM  |           |                 |            | 101.91  |                            |

**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 39816

**QUESTIONS**

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>39816                                |
|                                                                         | 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. |
| <b>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.</b>                                                                                        |                                               |
| 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 | Mesa 9H CTB        |
| 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                                                                                                             | 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             |
| <b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b> |               |
| 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                                 | 07/22/2021 |
| Time venting or flaring was discovered or commenced                                 | 12:00 AM   |
| Is the venting or flaring event complete                                            | Yes        |
| Date venting or flaring was terminated                                              | 07/22/2021 |
| 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: 102 Mcf   Recovered: 0 Mcf   Lost: 102 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  |

**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**

CONDITIONS

Action 39816

## CONDITIONS

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>39816                                |
|                                                                         | 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. | 8/4/2021       |