



**LABORATORY SERVICES**  
Natural Gas Analysis

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575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy  
Attention: Chris Prater  
600 N. Marientfeld, Suite 600  
Midland, Texas 79701

Sample: Sta# NCW1471275  
Identification: Triste Draw 25 Fed. 7H Alloc  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Sample Date: 8/6/2018  
Analysis Date: 8/9/2018  
Sample Temp: 99.5 F  
Sample Press.: 104.6 PSIA

Sampled by: T. Thomas  
Analysis by: V. McDaniel  
Atmos Temp: 88 F  
Sample Time: 2:00 PM

H2S = 1 PPM

Press. Base: 14.73

#### Component Analysis

|                  |     | Mol<br>Percent | GPM<br>Real  | GPM<br>Ideal |
|------------------|-----|----------------|--------------|--------------|
| Hydrogen Sulfide | H2S |                |              |              |
| Nitrogen         | N2  | 1.978          |              |              |
| Methane          | C1  | 70.871         |              |              |
| Carbon Dioxide   | CO2 | 0.581          |              |              |
| Ethane           | C2  | 13.227         | 3.536        | 3.528        |
| Propane          | C3  | 7.450          | 2.052        | 2.047        |
| I-Butane         | IC4 | 1.007          | 0.329        | 0.329        |
| N-Butane         | NC4 | 2.531          | 0.798        | 0.796        |
| I-Pentane        | IC5 | 0.582          | 0.211        | 0.212        |
| N-Pentane        | NC5 | 0.609          | 0.264        | 0.220        |
| Hexanes Plus     | C6+ | <u>1.164</u>   | <u>0.505</u> | <u>0.504</u> |
|                  |     | 100.000        | 7.695        | 7.636        |

REAL BTU/CU.FT.

|           |            |
|-----------|------------|
| At 14.65  | 1360.5 Dry |
|           | 1338.2 Wet |
| At 14.696 | 1364.8 Dry |
|           | 1342.4 Wet |
| At 14.73  | 1368.0 Dry |
|           | 1345.5 Wet |

Specific Gravity:

|            |         |       |
|------------|---------|-------|
| Calculated | (Real)  | 0.811 |
|            | (Ideal) | 0.808 |

Remarks:

| TRISTE DRAW 25 FEDERAL CDP FLARE |          | 11/7/2021 | 11/6/2021 | 11/5/2021 |
|----------------------------------|----------|-----------|-----------|-----------|
| Static                           | (PSI)    | 13        | 13        | 13        |
| Differential                     | (In H2O) | 0         | 0         | 0         |
| Gas Flowed                       | (MCF)    | 0.0       | 61.0      | 104.0     |

2 hours

**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 63296

**QUESTIONS**

|  |  |
|--|--|
| Operator:<br>CIMAREX ENERGY CO.<br>600 N. Marienfeld Street<br>Midland, TX 79701 | OGRID:<br>215099                                       |
|  | Action Number:<br>63296                                |
|  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|   |   |
|---|---|
| <b>Prerequisites</b>  |   |
| <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i> |   |
| Incident Well   | Not answered.                             |
| Incident Facility   | [fAPP2132651560] Triste Draw 25 Fed 1,2,7 |

|   |   |
|---|---|
| <b>Determination of Reporting Requirements</b>  |   |
| <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 and/or flaring caused by an emergency or malfunction   | Yes   |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event   | No  |
| Is this considered a submission for a venting and/or flaring event  | Yes, minor venting and/or flaring of natural gas. |
| <i>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.</i>  |   |
| 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 <b>ANY</b> 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  |

|   |               |
|---|---------------|
| <b>Equipment Involved</b>                                 |               |
| Primary Equipment Involved                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

|  |               |
|--|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>   |               |
| <i>Please provide the mole percent for the percentage questions in this group.</i>   |               |
| Methane (CH4) percentage   | 71            |
| Nitrogen (N2) percentage, if greater than one percent  | 2             |
| Hydrogen Sulfide (H2S) PPM, rounded up   | 0             |
| Carbon Dioxide (CO2) percentage, if greater than one percent   | 1             |
| Oxygen (O2) percentage, if greater than one percent  | 0             |
| <i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i> |               |
| 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. |

|   |            |
|---|------------|
| <b>Date(s) and Time(s)</b>                              |            |
| Date venting and/or flaring was discovered or commenced | 11/05/2021 |
| Time venting and/or flaring was discovered or commenced | 07:15 AM   |
| Time venting and/or flaring was terminated              | 12:00 PM   |
| Cumulative hours during this event                      | 2          |

|   |               |
|---|---------------|
| <b>Measured or Estimated Volume of Vented or Flared Natural Gas</b> |               |
| Natural Gas Vented (Mcf) Details                                    | Not answered. |

|   |   |
|---|---|
| Natural Gas Flared (Mcf) Details  | Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 165 Mcf   Recovered: 0 Mcf   Lost: 165 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  | Compressor down due to mechanical issues such high discharges.           |
| Steps taken to limit the duration and magnitude of venting and/or flaring  | Field team brought compressor online and fixed mechanical issues.        |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring                                     | Field team fix issue and kept flare duration and magnitude to a minimum. |

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CONDITIONS  
  
Action 63296

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|  |  |
|--|--|
| Operator:<br>CIMAREX ENERGY CO.<br>600 N. Marienfeld Street<br>Midland, TX 79701 | OGRID:<br>215099                                       |
|  | Action Number:<br>63296                                |
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CONDITIONS

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| jacosta01  | 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. | 11/23/2021     |