

# Analysis Summary - Meter Daily

## May 2021

Meter #: 3014714938  
 Name: DOS EQUIS 12-13 FEDERAL COM CDP  
 Press. Base: 14.730 psia Temp. Base: 60.0 F

C6+, HCDP, CCT, Wobbe Index

Gimarex Energy Co.

| Day | Relative Density | Heating Value | CO2    | N2     | C1      | C2      | C3     | IC4    | NC4    | IC5    | NC5    | Neo | C6+    |  | HCDP  | CCT    | Wobbe   |
|-----|------------------|---------------|--------|--------|---------|---------|--------|--------|--------|--------|--------|-----|--------|--|-------|--------|---------|
| 7   | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 8   | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 9   | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 10  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 11  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 12  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 13  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 14  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 15  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 16  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 17  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 18  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 19  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 20  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 21  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 22  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 23  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 24  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 25  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 26  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 27  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 28  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 29  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 30  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| 31  | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |
| Avg | 0.8000           | 1372.10 D     | 0.1580 | 1.1670 | 73.4740 | 12.4150 | 6.6170 | 1.0900 | 2.3940 | 0.6600 | 0.7070 |     | 1.3170 |  | 66.70 | 142.42 | 1534.05 |

FLOWCAL by Quorum Software

© Quorum Software. All Rights Reserved

Print Date 06/08/2021 15:56 Page 1

| BOS EQUIS 12-13 FED COM HP FLARE |          | Digital (gas) |           |           |          |          |          |          |          |          |          |          | 21283    |           |
|----------------------------------|----------|---------------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
|                                  |          | 8/12/2021     | 8/11/2021 | 8/10/2021 | 8/9/2021 | 8/8/2021 | 8/7/2021 | 8/6/2021 | 8/5/2021 | 8/4/2021 | 8/3/2021 | 8/2/2021 | 8/1/2021 | 7/31/2021 |
| Static                           | (PSI)    |               | 113       | 131       | 143      | 45       | 169      | 110      | 105      | 129      | 112      | 147      | 135      | 83        |
| Differential                     | (In H2O) |               | 0         | 0         | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         |
| Gas Flowed                       | (MCF)    |               | 0.0       | 0.0       | 0.0      | 1046.0   | 0.0      | 41.0     | 0.0      | 0.0      | 84.0     | 0.0      | 0.0      | 58.0      |

7

21

**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 41872

**QUESTIONS**

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>CIMAREX ENERGY CO.<br>600 N. Marienfeld Street<br>Midland, TX 79701 | OGRID:<br>215099                                       |
|                                                                                  | Action Number:<br>41872                                |
|                                                                                  | 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                                                                                                                                                                                                                  | Yes                                           |
| Did or will this venting 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 notification of a major venting or flaring                                                                                                                                                                                                         | Yes, major 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 | DOS EQUIS 12-13 FED COM CDP FLARE HP |
| Facility Type         | Flare Stack - (FS)                   |

**Equipment Involved**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Primary Equipment Involved                                | Not answered. |
| 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                                                                                                             | 73            |
| 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                                                                         | 2             |
| 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                                 | 07/31/2021 |
| Time venting or flaring was discovered or commenced                                 | 07:15 AM   |
| Is the venting or flaring event complete                                            | Yes        |
| Date venting or flaring was terminated                                              | 08/08/2021 |
| Time venting or flaring was terminated                                              | 01:00 AM   |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 21         |
| Longest duration of cumulative hours within any 24-hour period during this event    | 7          |

**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 Compressor Station   Natural Gas Flared   Spilled: 1,229 Mcf   Recovered: 0 Mcf   Lost: 1,229 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                                                    | Event started on 7/31/2021 but then flared up significantly on 8/8/2021, of which Cimarex notified the NMOCD via E-mail. The man cause was an upset on our third party Lucid gas gatherer systems . The wells were shut in immediately, but the battery flared all the remaining gas in the system. The shut in curtailed any issues going forward. |
| Steps taken to limit the duration and magnitude of venting or flaring                                                          | As noted wells were shut in after the main event that occurred on 8/8/2021. Shut in mitigated the main effect.                                                                                                                                                                                                                                      |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring                                         | Cimarex will continue to take proactive steps to curtail the effect of third party curtailments but shut ins if necessary.                                                                                                                                                                                                                          |

**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 41872

## CONDITIONS

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>CIMAREX ENERGY CO.<br>600 N. Marienfeld Street<br>Midland, TX 79701 | OGRID:<br>215099                                       |
|                                                                                  | Action Number:<br>41872                                |
|                                                                                  | 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. | 8/13/2021      |