

Analysis Summary by Meter - Monthly

Cimarex Energy Co.

July 2021

Meter #: 301471311V
Name: RED HILLS UNIT 16H (FED) FLARE
C6+, HCDP, CCT, Wobbe Index

| Meter Number | Relative Density | Heating Value | C02 | N2 | C1 | C2 | C3 | IC4 | NC4 | IC5 | NC5 | Neo | C6+ | HCDP | CCT | Wobbe |
|-----------------------|------------------|---------------|--------|--------|---------|--------|--------|--------|--------|--------|--------|-----|--------|---------|----------|------------|
| July 2021 | | | | | | | | | | | | | | | | |
| 301471311V | 0.8220 | 1174.50 D | 8.2440 | 2.8540 | 70.4420 | 9.0950 | 4.9880 | 0.6600 | 1.6330 | 0.5160 | 0.5360 | | 1.0320 | 60.9620 | 126.4187 | 1,295.4394 |
| *** End of Report *** | | | | | | | | | | | | | | | | |

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| RED HILLS UNIT 16H FLARE | | Digital (gas) | | | | | 1 |
|--------------------------|----------|---------------|-----------|-----------|-----------|-----------|---|
| | | 7/30/2021 | 7/29/2021 | 7/28/2021 | 7/27/2021 | 7/26/2021 | |
| ▶ Static | (PSI) | 74 | 73 | 78 | 80 | 65 | |
| Differential | (In H2O) | 0 | 0 | 0 | 0 | 0 | |
| Gas Flowed | (MCF) | 0.0 | 5.0 | 0.0 | 0.0 | 58.0 | |

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 40776

QUESTIONS

| | |
|--|--|
| Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701 | OGRID: 162683 |
| | Action Number: 40776 |
| | Action Type: [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, 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 | RED HILLS UNIT 16H FLARE |
| 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 | 70 |
| Nitrogen (N2) percentage, if greater than one percent | 3 |
| Hydrogen Sulfide (H2S) PPM, rounded up | 0 |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 8 |
| 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 | 07/26/2021 |
| 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 | 07/26/2021 |
| Time venting or flaring was terminated | 01:00 AM |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 2 |
| Longest duration of cumulative hours within any 24-hour period during this event | 2 |

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: 58 Mcf Recovered: 0 Mcf Lost: 58 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 was attributed to third party gas gatherer Enlink. |
| Steps taken to limit the duration and magnitude of venting or flaring | Cimarex Field and Marketing team were in communication with Enlink. Actual flaring occurred when wells were shut down due to event. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring | Flaring was short lived and is a function of how fast the well was brought on line. Cimarex is observing that opening a well up slower can eliminate flaring. |

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CONDITIONS

Action 40776

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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. | 8/9/2021 |