



LABORATORY SERVICES
Natural Gas Analysis

www.permianls.com

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# NCP1471154 Identification: Triste Draw 30 Fed. Com. 1H CDP Ck Company: Cimarex Energy Lease: Plant: |
| Sample Data: | Sample Date: 7/5/2018 Analysis Date: 7/10/2018 Sample Temp: 85.3 F Sample Press.: 606 PSIA | Sampled by: T. Thomas Analysis by: V. McDaniel Atmos Temp: 82 F Sample Time: 2:00 PM |

H2S = 0 PPM

Press. Base: 14.73

Component Analysis

| | | Mol Percent | GPM Real | GPM Ideal |
|------------------|-----|----------------|--------------|--------------|
| Hydrogen Sulfide | H2S | 0.000 | | |
| Nitrogen | N2 | 2.638 | | |
| Methane | C1 | 70.464 | | |
| Carbon Dioxide | CO2 | 0.246 | | |
| Ethane | C2 | 13.613 | 3.640 | 3.631 |
| Propane | C3 | 7.947 | 2.189 | 2.184 |
| I-Butane | IC4 | 1.032 | 0.338 | 0.337 |
| N-Butane | NC4 | 2.641 | 0.832 | 0.830 |
| I-Pentane | IC5 | 0.542 | 0.196 | 0.198 |
| N-Pentane | NC5 | 0.519 | 0.225 | 0.188 |
| Hexanes Plus | C6+ | <u>0.358</u> | <u>0.155</u> | <u>0.155</u> |
| | | 100.000 | 7.575 | 7.523 |

REAL BTU/CU.FT.

| | |
|-----------|------------|
| At 14.65 | 1333.6 Dry |
| | 1311.8 Wet |
| At 14.696 | 1337.8 Dry |
| | 1315.9 Wet |
| At 14.73 | 1340.9 Dry |
| | 1318.9 Wet |

Specific Gravity:

| | | |
|------------|---------|-------|
| Calculated | (Real) | 0.798 |
| | (Ideal) | 0.795 |

Remarks:

| TRISTE DRAW 30 FEDERAL 1 FUEL | | Digital (gas) | | | | | | | | | | 10093 | |
|-------------------------------|-----------------------|---------------|--------------------|--------------------|--------------------|-------------------|------------------|-----------|----------|--------------------|----------------|----------------|-----|
| | | 6/16/2021 | 6/15/2021 | 6/14/2021 | 6/13/2021 | 6/12/2021 | 6/11/2021 | 6/10/2021 | 6/9/2021 | 6/8/2021 | 6/7/2021 | 6/6/2021 | |
| ▶ Static | (PSI) | 57 | 57 | 42 | 43 | 46 | 71 | 113 | 42 | 93 | 100 | 98 | |
| Differential | (in H ₂ O) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Gas Flowed | (MCF) | | 10.0 | 6.0 | 8.0 | 12.0 | 8.0 | 0.0 | 0.0 | 5.0 | 14.0 | 150.0 | |
| MeterFlareReason | | | CURTALMENT - G | CURTALMENT - G | CURTALMENT - G | FACILITY COMPRES | FACILITY COMPRES | | | CURTALMENT - G | CURTALMENT - G | CURTALMENT - G | CU |
| Comments (F5) | | | DCP high line pres | dcp high/low valve | dcp high/low valve | adjusted compress | compressor down | | | high line pressure | hlp | hlp | hlp |
| TRISTE DRAW 30 FEDERAL 1 FUEL | | Digital (gas) | | | | | | | | | | 10093 | |

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 32280

QUESTIONS

| | |
|--|--|
| Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701 | OGRID: 215099 |
| | Action Number: 32280 |
| | 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 19.13.297 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 | TRISTE DRAW 30 FEDERAL 1 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 | 0 |
| 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 | 06/07/2021 |
| 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 | 06/08/2021 |
| Time venting or flaring was terminated | 02:00 AM |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | 5 |
| Longest duration of cumulative hours within any 24-hour period during this event | 5 |

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: 150 Mcf Recovered: 0 Mcf Lost: 150 Mcf] |
| Other Released Details | Not answered. |
| Additional details for Measured or Estimated Volume(s). Please specify | A volume of 579 was reported on 6/9 to the OCD but it has been determined that was a misread on the meter. |
| 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 was caused by DCP's high line pressure attributed to them taking gas off their system and sending it to another midstream system which consequently led to a compressor turbine in their linam plat going off line. |
| Steps taken to limit the duration and magnitude of venting or flaring | Field team and marketing team responded to event and was in communication with DCP. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring | Cimarex will continue to monitor flares over 50 mcf per 19.15.27 NMAC |

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 32280

CONDITIONS

| | |
|--|--|
| Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701 | OGRID: 215099 |
| | Action Number: 32280 |
| | Action Type: [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. | 6/22/2021 |