



**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. Mariefeld, 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 Percent	GPM Real	GPM 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:

6/19/2021	6/18/2021	6/17/2021	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	
13	13	13	13	13	13	13	13	13	13	13	12	13	
0	0	0	0	0	0	0	0	0	0	0	0	1	
136.0	136.0	136.0	0.0	5.0	158.0	185.0	0.0	0.0	44.0	237.0	192.0	473.0	
CURTAILMENT - G	CURTAILMENT - G	CURTAILMENT - G			CURTAILMENT - G	CURTAILMENT - G			FACILITY ISSUES	FACILITY ISSUES	FACILITY ISSUES	CURTAILMENT - G	
hilo shut	hilo shut	hilo shut in			dcp h/low valve st	dcp h/low valve st			found needle valve	found needle valve		hlp	

**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 32257

**QUESTIONS**

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 32257
	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, 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 19.13.29.7 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	TRISTE DRAW 25 FEDERAL CDP 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	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
<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	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	06/20/2021
Time venting or flaring was terminated	02:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	18
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: 1,697 Mcf   Recovered: 0 Mcf   Lost: 1,697 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 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. Additionally, a low valve had to be shut in due to the high line pressure.
Steps taken to limit the duration and magnitude of venting or flaring	Field crew and Marketing team were in communication with DCP.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Continued to track monitor and report any flare volumes over 50 mcf per 19.15.27 NMAC.

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CONDITIONS  
  
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	Action Number: 32257
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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.	6/22/2021