



LABORATORY SERVICES
Natural Gas Analysis

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575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy
Attention: Steve Fine
600 N. Marientfeld, Suite 600
Midland, Texas 79701

Sample: Sta# NCW1471212
Identification: Hallertau 4 Fed 9 H Alloc
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Sample Date: 8/20/2018
Analysis Date: 8/21/2018
Sample Temp: 75.8 F
Sample Press.: 115.8 PSIA

Sampled by: Tyler T
Analysis by: D Armstrong
Atmos Temp: 73 F
Sample Time: 11:45 AM

H2S = 0.5 PPM

Press. Base: 14.73

Component Analysis

		Mol Percent	GPM Real	GPM Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	1.520		
Methane	C1	75.035		
Carbon Dioxide	CO2	6.161		
Ethane	C2	9.584	2.562	2.557
Propane	C3	4.451	1.226	1.223
I-Butane	IC4	0.550	0.180	0.180
N-Butane	NC4	1.270	0.400	0.399
I-Pentane	IC5	0.352	0.128	0.128
N-Pentane	NC5	0.379	0.164	0.137
Hexanes Plus	C6+	<u>0.698</u>	<u>0.303</u>	<u>0.302</u>
		100.000	4.963	4.926

REAL BTU/CU.FT.

At 14.65	1164.3 Dry
	1145.3 Wet
At 14.696	1167.9 Dry
	1148.9 Wet
At 14.73	1170.6 Dry
	1151.6 Wet

Specific Gravity:

Calculated	(Real)	0.771
	(Ideal)	0.769

Remarks:

HALLERTAU 4 FED 9H FLARE		Digital (gas)										12472	
		3/2021	10/22/2021	10/21/2021	10/20/2021	10/19/2021	10/18/2021	10/17/2021	10/16/2021	10/15/2021	10/14/2021	10/13/2021	
▶ Static	(PSI)	13	13	13	13	13	13	13	13	13	13	13	
	Differential	0	0	0	0	0	0	0	0	0	0	0	
	(In H2O)												
Gas Flowed	(MCF)	0.0	0.0	0.0	0.0	0.0	0.0	237.0	106.0	2.0	47.0	141.0	

District I1625 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 58480

QUESTIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 58480
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Not answered.
Incident Facility	[fAPP2130153193] HALLERTAU 4 FED 2, 5, 6,9H

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 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	Yes
Is this considered a submission for a venting and/or flaring event	Yes, major venting and/or flaring of natural gas.
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.	
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 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
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

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	75
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5
Carbon Dioxide (CO2) percentage, if greater than one percent	6
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 and/or flaring was discovered or commenced	10/13/2021
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	11

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Well Natural Gas Vented Released: 533 Mcf Recovered: 0 Mcf Lost: 533 Mcf

Natural Gas Flared (Mcf) Details	Not answered.
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	The Hallertau 4-9 was were wells kicking that caused occasional flaring. That will be relieved as soon as they unload.
Steps taken to limit the duration and magnitude of venting and/or flaring	Wells kept kicking in off and on intermittently causing on and off flaring that cumulatively ran for 11 hours. Once wells were fully unloaded flaring stopped.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	As noted once wells were fully unloaded flaring stopped. Issue has been resolved.

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CONDITIONS

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	Action Number: 58480
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	10/28/2021