

Gas Composition and Properties

Effective September 1, 2021 00:00 - January 18, 2038 21:14

Cimarex Energy Co.

Source #: 309775293S

Name: PARKWAY 15-14 NORTH STATE COM CDP

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	0.0570		0.1021	Pressure Base	14.73
Nitrogen (N2)	1.1480		1.3091	Temperature Base	60
Methane (C1)	66.3520		43.3296	HCDP @ Sample Pressure	62.973
Ethane (C2)	16.1410	4.3160	19.7564	Cricondentherm	141.843
Propane (C3)	9.6410	2.6550	17.3052	HV, Dry @ Base P, T	1455.90
Isobutane (IC4)	1.1420	0.3740	2.7019	HV, Sat @ Base P, T	1432.00
n-Butane (NC4)	2.9980	0.9450	7.0931	HV, Sat @ Sample P, T	1417.39
Isopentane (IC5)	0.6520	0.2380	1.9149	Relative Density	0.8520
n-Pentane (NC5)	0.7030	0.2550	2.0646		
Hexanes Plus (C6+)	1.1660	0.5060	4.4231		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)	0.0000		0.0000		
Oxygen (O2)	0.0000		0.0000		
Helium (He)	0.0000		0.0000		
Water (H2O)					
Hydrogen Sulfide (H2S)	0.0000		0.0000	C6+: 60 - 30 - 10	
Totals	100.0000	9.2890	100.0000		

Sample

Date: 08/24/2021

Type: Spot

Tech: Jason F

Pressure:

57.2 psi

Temp.:

116 °F

Gauge:

Absolute

H2O:

Atm. Pressure:

13.1 psi

H2S:

0 ppm

Remarks: Parkway 15-14 N. SC CDP Ck

Analysis


Date: 08/31/2021

Instrument:

Cylinder: 1024

Tech: Luis

Remarks: OK

 PARKWAY 15-14 NORTH STATE CDP HP FLARE		Digital (gas)					2
		9/20/2021	9/19/2021	9/18/2021	9/17/2021	9/16/2021	
▶ Static	(PSI)	15	15	15	15	15	
Differential	(In H ₂ O)	0	0	0	0	0	
Gas Flowed	(MCF)	2.0	0.0	2.0	32.0	89.0	

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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 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 53106

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 53106
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fAPP2124629673] PARKWAY 15-14 NORTH STATE

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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	No
Is this considered a submission for a venting and/or flaring event	Yes, minor venting and/or flaring of natural gas.
<i>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.</i>	
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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	66
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	0
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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	09/16/2021
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	6

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Other (Specify) Natural Gas Flared Released: 121 Mcf Recovered: 0 Mcf Lost: 121 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 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	VRT compressor go down on the Parkways, causing some flaring time. It is back up and running now.
Steps taken to limit the duration and magnitude of venting and/or flaring	Equipment has been repaired.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Cimarex will install a more effective ESD at this location to prevent future flaring and this should be safer and more prepared to handle any future upsets that may occur in the future.

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CONDITIONS

Action 53106

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Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 53106
	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.	9/30/2021