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575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy Sample: Sta# NCP95888452

Attention: Steve Fine Identification: Da Vinci 7 Fed CDP Check

600 N. Marienfeld, Suite 600 Company: Cimarex Energy

Midland, Texas 79701 Lease: Plant:

Sample Data: Sample Date: 7/23/2018 Sampled by: Sheldon G

Analysis Date: 8/1/2018 Analysis by: D Armstrong
Sample Temp: 96 F Atmos Temp: 101 F
Sample Press.: 116 PSIA Sample Time: 1:32 PM

H2S = Press. Base: 14.73

## **Component Analysis**

		Mol	GPM	GPM
		Percent	Real	Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	1.650		
Methane	C1	77.237		
Carbon Dioxide	CO2	0.321		
Ethane	C2	11.811	3.158	3.151
Propane	C3	5.398	1.487	1.483
I-Butane	IC4	0.644	0.211	0.210
N-Butane	NC4	1.582	0.499	0.497
I-Pentane	IC5	0.328	0.119	0.120
N-Pentane	NC5	0.391	0.170	0.141
Hexanes Plus	C6+	<u>0.638</u>	0.277	0.276
		100.000	5.921	5.878

REAL BTU/CU.FT. Specific Gravity:

1245.6 Wet

Remarks:

At 14.73

1266.4 Dry

Row Count: 31								
DateTimeStamp	Volume	Energy	StaticPress	DiffPress	Temp	Flow Time (mins)	Flow Up Time Pct	Flow Down Time Pct
2021-05-31								
2021-05-30								
2021-05-29								
2021-05-28								
2021-05-27								
2021-05-26	0	0	76.05	0	86	5 0	0	1
2021-05-25	96.34	121.78	121.63	5.34	98	205.18	14.25	85.
2021-05-24	0.54	0.68	119.89	0.44	101	3.68	0.26	99.
2021-05-23	0	0	84.23	0	81	0	0	1

<u>District I</u> 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 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 29742

## **QUESTIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	29742
	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 addional 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				
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 <b>ANY</b> 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 occuring at a facility that does not have an Facility ID (f#) yet.		
Facility or Site Name DA VINCI 7 FEDERAL 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	78		
Nitrogen (N2) percentage, if greater than one percent	1		
Hydrogen Sulfide (H2S) PPM, rounded up	0		
Carbon Dioxide (C02) percentage, if greater than one percent	0		
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	Not answered.		
Carbon Dioxide (C02) percentage quality requirement	Not answered.		
Oxygen (02) percentage quality requirement	Not answered.		

Date(s) and Time(s)		
Date venting or flaring was discovered or commenced	05/25/2021	
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	05/25/2021	
Time venting or flaring was terminated	01:00 AM	
Total duration of venting or flaring in hours, if venting or flaring has terminated	3	
Longest duration of cumulative hours within any 24-hour period during this event	3	

Measured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Spilled: 96 Mcf   Recovered: 0 Mcf   Lost: 96 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	Midstream compressor went down.
Steps taken to limit the duration and magnitude of venting or flaring	Worked with Midstream to bring compressor online ASAP
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Coordinate with midstream provider to investigate cause of compressor malfunction and ensure it
	does not go down again.

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CONDITIONS

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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.	5/30/2021