

7273G	NLW1471295				Hallertau 5 Fed 8H Alloc			
Sample Point Code	Sample Point Name				Sample Point Location			
Laboratory :	Services	2021042	151	0521		J Thorn - Spo	ot	
Source Labo	oratory	Lab File I				Sampler		
USA		USA		USA		New Mexico		
District		Area Name		Field Name		Facility Name		
May 21, 2021	12:20	May 21, 2021 12:20			Jun 2, 2021 11:02	2021 11:02 Jun 3,		
Date Sample	ed	Date	e Effective		Date Received	Date Reported		
86.00	881.15	Torrand	ce	102 @ 100				
Ambient Temp (°F)	Flow Rate (Mcf)	Analysi	i	Press PSI @ Tel Source Condit	•			
Cimarex Er	ergy					NG		
Operator	r					Lab Source Descript	ion	
Component	Normalized Mol %	Un-Normalized Mol %	GPM	Gross Heating Values (Real, BTU/ft³) 14.696 PSI @ 60.00 °F 14.73 PSI @ 60.00 °F			•	
1136 (1136)	0.0000	0		Dry	Saturated	14.73 PSI (© 60.00 A°F Saturated	
H2S (H2S)	_	ł		1,311.6	1,290.1	1,314.6	1,293.1	
Nitrogen (N2)	0.7570	0.75744		4	Calculated Total S			
CO2 (CO2)	0.1630	0.16304		Pola	GPA2145-16 *Calculated at Contract Conditions			
Methane (C1)	77.0440	77.04513		Relative Density Real Relative Density Ideal 0.7582 0.7555				
Ethane (C2)	11.4460	11.44578	3.0600	Molecular Weight 21.8818				
Propane (C3)	5.7520	5.75202	1.5840					
I-Butane (IC4)	0.8420	0.84167	0.2750]	C6+ Group Assumed Co	-		
N-Butane (NC4)	2.1040	2.10402	0.6630	C6 - 60		•	3 - 10.000%	
I-Pentane (IC5)	0.4750	0.4746	0.1740		Field			
N-Pentane (NC5)	0.5480	0.54754	0.1990]	0 P	PM		
Hexanes Plus (C6+)	0.8690	0.86876	0.3770	PROTREND ST.	ATUS:	DATA SO	URCE:	
TOTAL	100.0000	100.0000	6.3320		llidator on Jun 3, 202			
Method(s): Gas C6+ - GPA 2261, Exter	nded Gas - GPA 2286, Calcula	tions - GPA 2172			LIDATOR REASON: n to be considered rea	sonable.		
	Analyzer Informa	tion		VALIDATOR:				

Device Type: Gas Chromatograph Device Make: Shimadzu Device Model: GC-2014 Last Cal Date: May 24, 2021 **Dustin Armstrong**

VALIDATOR COMMENTS:

OK

HALLERTAU 5 FED BATTERY FLARE			Digital (gas)		16176									
		0/2021	11/9/2021	11/8/2021	11/7/2021	11/6/2021	11/5/2021	11/4/2021	11/3/2021	11/2/2021	11/1/2021	10/31/2021	10/30/2021	10/29/2021
Static	(PSI)			62	131	105	111	122	107	98	131	131	111	129
Differential	(In H2O			0	0	0	0	0	0	0	0	1	0	0
Gas Flowed	(MCF)			225.0	166.0	133.0	117.0	40.0	1.0	47.0	134.0	75.0	45.0	81.0
Marin B				ELOUITY COMPO	EVOILIE/ IGGUES	EXCILITY COMPRI	EXCILITY COMPON	EXCILITY COMPON	EXCILITY COMPRI	EAGILITY COMPO	EXCILITY COMPO	EXCILITY ICCUES	EAGILITY ICCUES	EXCILITY ICCUIES

1,064

Intermittent flared 24 hours total.

<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 61528

Q	UESTIONS	
Operator: CIMAREX ENERGY CO. OF COLORADO		OGRID: 162683
600 N. Marienfeld Street		Action Number:
Midland, TX 79701		61528 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 t	these issues before continuing wi	th the rest of the questions.
Incident Well	Not answered.	
Incident Facility	[fAPP2126956613] Hallert	au 5
D.		
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers are		
Was or is this venting and/or flaring caused by an emergency or malfunction Did or will this venting and/or flaring last eight hours or more cumulatively within	Yes	
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 v	renting 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		
	T	
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	77	
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 spec	ifications 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 and/or flaring was discovered or commenced	10/29/2021	
Time venting and/or flaring was discovered or commenced	07:15 AM	
Time venting and/or flaring was discovered or commenced Time venting and/or flaring was terminated	12:00 PM	
Cumulative hours during this event	24	
	1	
Measured or Estimated Volume of Vented or Flared Natural Gas		

Not answered.

Natural Gas Vented (Mcf) Details

Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 1,064 Mcf Recovered: 0 Mcf Lost: 1,064 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	As noted on previous report for this facility Cimarex is in the process of swapping compressors. Compressors continue to go down due to do multiple issues and the facility flared intermittently for a total of 24 hours for the week of 10/29-11/8					
Steps taken to limit the duration and magnitude of venting and/or flaring	Since the facility flares intermittently the compressors are not down long enough to trigger out well shit in threshold. Our engineering team hopes to resolve the issues once compressors have been swap.					
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	As noted Cimarex is swapping compressors due to continuing issues at facility. The process is taking longer than anticipated and isolated compressor issues not associated with the swap continue to occur.					

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CONDITIONS

Action 61528

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	61528
	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.	11/12/2021