

Zia 2 GP P270M2 unauthorize event (no Citation)

32.6141876

-103.810153

Zia Warm Flare

Meter # 728941-00

Volume Flared: 179.065-42=137.065mcf

Date: 7-17-21

Time: 1400-1500

Event: At 14:15- Residue 1450 shut down and was showing that the emergency stop activated. The expander shut down when the residue compressor shut down and caused the middle of the plant to over pressure and relieve to flare downstream on the B Train amine contactor.

Limit: The high-pressure inlet compression was reduced to minimum speed and the JT valve output was raised to lower the middle plant pressure and stop flaring.

Corrective Action: IE found loose wiring on the emergency stop and tightened all of the connections to resolve the issue. Root cause is under investigation

NMED #-032800-07192021-01 ehs#27147

Compound	Value	
Carbon Dioxide	= 2.545832 mol %	
Methane	= 72.50293 mol %	
Carbon Monoxide	= 0 mol %	
Hydrogen Sulfide	= 0 mol %	
Hexane	= 0.260089 mol %	
Butane	= 1.973416 mol %	
Pentane	= 0.467782 mol %	
Heptane	= 0.130001 mol %	
n-Decane	= 0 mol %	
n-Nonane	= 0 mol %	
n-Octane	= 0.043296 mol %	
Nitrogen	= 2.017955 mol %	
Propane	= 6.416712 mol %	
Ethane	= 12.403558 mol %	
Isobutane	= 0.807336 mol %	
Isopentane	= 0.431093 mol %	
Water	= 0 mol %	
Argon	= 0 mol %	
Hydrogen	= 0 mol %	
Helium	= 0 mol %	
Oxygen	= 0 mol %	
	= mol %	
	= 137,065 scf	
	= 0 scf	

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

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 36872

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785 Action Number: 36872 Action Type: [C-129] Venting and/or Flaring (C-129)
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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, 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 19.13.29.7 NMAC.	
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	Not answered.
Facility Type	Not answered.

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	72
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	3
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 or flaring was discovered or commenced	07/17/2021
Time venting or flaring was discovered or commenced	02:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/17/2021
Time venting or flaring was terminated	03:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	1
Longest duration of cumulative hours within any 24-hour period during this event	1

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 Gas Plant Natural Gas Flared Spilled: 137 Mcf Recovered: 0 Mcf Lost: 137 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	Not answered.
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

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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: At 14:15- Residue 1450 shut down and was showing that the emergency stop activated. The expander shut down when the residue compressor shut down and caused the middle of the plant to over pressure and relieve to flare downstream on the B Train amine contactor.
Steps taken to limit the duration and magnitude of venting or flaring	Limit: The high-pressure inlet compression was reduced to minimum speed and the JT valve output was raised to lower the middle plant pressure and stop flaring.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Corrective Action: IE found loose wiring on the emergency stop and tightened all of the connections to resolve the issue. Root cause is under investigation

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CONDITIONS

Action 36872

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Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 36872
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	7/19/2021