

Zia II Permit P270-M1

32.64333532, -103.80833456

Conditions A107.A and A107.C

Zia Acid Gas Flare Meter # 728946-00 FL2

Volume Flared 128.116

Start/End and Discovery Date: 7-29-21

Time: 255-450 pm

Event: C1600 shut down on low 2nd stage discharge pressure. Unit blew down to flare and reflux accumulators pressured up also going to the flare. C1650 was started to get off flare. I&E found that the 2nd stage discharge transmitter was bad and the transmitter was replaced.

Composition	Parameter	Compound	Value
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Carbon Dioxide	* 2.796907 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Methane	* 99.848813 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Carbon Monoxide	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Hydrogen Sulfide	* 0.007093 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Hexane	* 1.908953 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Butane	* 1.464953 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Pentane	* 0.495 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Heptane	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		n-Decane	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		n-Nonane	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		n-Octane	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Nitrogen	* 27.861 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Propane	* 2.212907 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Ethane	* 2.590907 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Isobutane	* 0.375 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Isopentane	* 0.439 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Water	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Argon	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Hydrogen	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Helium	* 0 mol %
07/29/21 02:55:00 pm - Zia II Acid Gas Flare - FlowCal Mole/h		Oxygen	* 0 mol %
07/29/21 02:55:00 pm - Event Mole% Consistency Check			* 100.000533 mol %
07/29/21 02:55:00 pm - Gas Volume Flared			* 128.116 scf
07/29/21 02:55:00 pm - Gas Volume Vented			* 0 scf
RTU Content	Parameter	Compound	Value

**District I**

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

**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 38937

**QUESTIONS**

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 38937
	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 additional guidance.

Was or is this venting or flaring caused by an emergency or malfunction	No
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.
<b>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 19.13.297 NMAC</b>	
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	Gas Plant
Additional details for Equipment Involved. Please specify	C1600 shut down on low 2nd stage discharge pressure. Unit blew down to flare and reflux accumulators pressured up also going to the flare. C1650 was started to get off flare. I&E found that the 2nd stage discharge transmitter was bad and the transmitter was replaced. IE Circuit Failure

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	60
Nitrogen (N2) percentage, if greater than one percent	28
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
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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	07/29/2021
Time venting or flaring was discovered or commenced	02:55 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/29/2021
Time venting or flaring was terminated	04:50 PM
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 Scheduled Maintenance   Gas Plant   Natural Gas Flared   Spilled: 128 Mcf   Recovered: 0 Mcf   Lost: 128 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	
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	C1600 was shut down for maintenance to troubleshoot a plugged lubrication line on the 3rd stage cylinder. Unit was blown down to the flare and purged with fuel gas before work could be performed. Blockage was cleared from the cylinder and unit was purged with acid gas.
Steps taken to limit the duration and magnitude of venting or flaring	C1650 was started to get off flare. I&E found that the 2nd stage discharge transmitter was bad and the transmitter was replaced.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	C1650 was started to get off flare. I&E found that the 2nd stage discharge transmitter was bad and the transmitter was replaced.

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CONDITIONS  
  
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	Action Number: 38937
	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.	7/30/2021