

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: 52.188mcf

Start/End and Discovery Date: 7-28-21

Time: 2000-2300

Event: C-1600 acid gas compressor released to the acid gas flare for total volumes of 52.19 MCF as the result of being purged. The unit was purged on the night of 7-28-21 from the maintenance on 7-26-21. The maintenance activity on 7-26-21 was in response to a leaking valve cap on the 5th stage cylinder. The volumes were accounted for under permitted SSM.

Composition	Parameter	Compound	Value
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Carbon Dioxide	= 2.796907 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Methane	= 59.848813 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Carbon Monoxide	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hydrogen Sulfide	= 0.007093 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hexane	= 1.908953 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Butane	= 1.464953 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Pentane	= 0.495 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Heptane	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Decane	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Nonane	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	n-Octane	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Nitrogen	= 27.861 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Propane	= 2.212907 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Ethane	= 2.590907 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Isobutane	= 0.375 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Isopentane	= 0.439 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Water	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Argon	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Hydrogen	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Helium	= 0 mol %
	07/28/21 08:00:00 pm - Zia II Acid Gas Flare - FlowCal Mole%	Oxygen	= 0 mol %
	07/28/21 08:00:00 pm - Event Mole% Consistency Check		= 100.000533 mol %
	07/28/21 08:00:00 pm - Gas Volume Flared		= 52.188 scf
	07/28/21 08:00:00 pm - Gas Volume Vented		= 0 scf
BTU 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 38763

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 38763
	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.
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	Gas Plant
Additional details for Equipment Involved. Please specify	C-1600 acid gas compressor released to the acid gas flare for total volumes of 52.19 MCF as the result of being purged. The unit was purged on the night of 7-28-21 from the maintenance on 7-26-21. The maintenance activity on 7-26-21 was in response to a leaking valve cap on the 5th stage cylinder. The volumes were accounted for under permitted SSM.

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	59
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	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	07/28/2021
Time venting or flaring was discovered or commenced	08:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/29/2021
Time venting or flaring was terminated	11:00 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 Valve Natural Gas Flared Spilled: 52 Mcf Recovered: 0 Mcf Lost: 52 Mcf
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	C-1600 acid gas compressor released to the acid gas flare for total volumes of 52.19 MCF as the result of being purged. The unit was purged on the night of 7-28-21 from the maintenance on 7-26-21. The maintenance activity on 7-26-21 was in response to a leaking valve cap on the 5th stage cylinder. The volumes were accounted for under permitted SSM.
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.
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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.	False
Please explain reason for why this event was beyond your operator's control	Not answered.
Steps taken to limit the duration and magnitude of venting or flaring	This was a planned maintenance event. The volumes were accounted for under permitted SSM. Conditions A107.A and A107.C. In planned maintenance, pressures are lowered to minimize impacts to flared volumes.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	This was a planned maintenance activity to work on valve.

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CONDITIONS

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	Action Number: 38763
	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.	7/29/2021