

Sand Dunes EHSS Report 26552

75 MCF

Lat long 32.2838, -103.7417

Event Date 07/05/21 01:30:00 am

Discovery Date 07/05/21 01:30:00 am

End Date 07/05/21 02:00:00 am

Event: Zia II power outage caused units to go down due to not moving gas.**Measures:** Gas had to be shut out in the field until power could be restored to Zia II plant.**Root Cause:** Power Outage**Composition:**

Composition	Parameter	Compound	Value
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Carbon Dioxide	= 8.269686 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Methane	= 70.3672 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Carbon Monoxide	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Hydrogen Sulfide	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Hexane	= 0.478902 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Butane	= 1.329605 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Pentane	= 0.358348 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Heptane	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	n-Decane	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	n-Nonane	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	n-Octane	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Nitrogen	= 4.052279 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Propane	= 4.710462 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Ethane	= 9.540272 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Isobutane	= 0.558339 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Isopentane	= 0.335307 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Water	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Argon	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Hydrogen	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Helium	= 0 mol %
	07/05/21 01:30:00 am - SAND DUNES BST. VENT - FlowCal Mole%	Oxygen	= 0 mol %
	07/05/21 01:30:00 am - Event Mole% Consistency Check		= 100 mol %
	07/05/21 01:30:00 am - Gas Volume Flared		= 75,000 scf
	07/05/21 01:30:00 am - Gas Volume Vented		= 0 scf

Emissions

Combustion Emissions	Parameter	Compound	Value
	07/05/21 01:30:00 am - Combustion Product - SO2	Sulfur Dioxide	= 0 lb
	07/05/21 01:30:00 am - Combustion Product - CO	Carbon Monoxide	= 23.070541 lb
	07/05/21 01:30:00 am - Combustion Product - NOx	Nitrogen Oxides	= 11.556206 lb
	07/05/21 01:30:00 am - Combustion Product - NO2	Nitrogen Dioxide	= 0.57781 lb
	07/05/21 01:30:00 am - Combustion Product - NO	Nitric Oxide	= 10.978395 lb

Event Totals	Parameter	Compound	Value
	07/05/21 01:30:00 am - Manual Override Total Emissions - VOCs		= lb
	07/05/21 01:30:00 am - Total Emissions - VOC		= 40.407296 lb

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 35120

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 35120
	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	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	Sand Dunes EHSS Report 26552 75 MCF Lat long 32.2838, -103.7417 Event Date 07/05/21 01:30:00 am Discovery Date 07/05/21 01:30:00 am End Date 07/05/21 02:00:00 am Event: Zia II power outage caused units to go down due to not moving gas. Measures: Gas had to be shut out in the field until power could be restored to Zia II plant. Root Cause: Power Outage

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	70
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	8
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	07/05/2021
Time venting or flaring was discovered or commenced	01:30 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/05/2021
Time venting or flaring was terminated	02:00 AM
Total duration of venting or flaring in hours, if venting or flaring has terminated	0
Longest duration of cumulative hours within any 24-hour period during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Power Failure Gas Compressor Station Natural Gas Flared Spilled: 75 Mcf Recovered: 0 Mcf Lost: 75 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	Sand Dunes EHSS Report 26552 75 MCF Lat long 32.2838, -103.7417 Event Date 07/05/21 01:30:00 am Discovery Date 07/05/21 01:30:00 am End Date 07/05/21 02:00:00 am Event: Zia II power outage caused units to go down due to not moving gas. Measures: Gas had to be shut out in the field until power could be restored to Zia II plant. Root Cause: Power Outage
Steps taken to limit the duration and magnitude of venting or flaring	Sand Dunes EHSS Report 26552 75 MCF Lat long 32.2838, -103.7417 Event Date 07/05/21 01:30:00 am Discovery Date 07/05/21 01:30:00 am End Date 07/05/21 02:00:00 am Event: Zia II power outage caused units to go down due to not moving gas. Measures: Gas had to be shut out in the field until power could be restored to Zia II plant. Root Cause: Power Outage
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Sand Dunes EHSS Report 26552 75 MCF Lat long 32.2838, -103.7417 Event Date 07/05/21 01:30:00 am Discovery Date 07/05/21 01:30:00 am End Date 07/05/21 02:00:00 am Event: Zia II power outage caused units to go down due to not moving gas. Measures: Gas had to be shut out in the field until power could be restored to Zia II plant. Root Cause: Power Outage

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CONDITIONS

Action 35120

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Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 35120
	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.	7/6/2021