

Artesia Plant

Event Date: 7/22/21 12:00- 2:00 PM
























Root Cause: IE Circuit Failure; Malfunction

ARTESIA PLT 5# FLARE; 114.51 MCF

Event: During the one day plant outage a v-ball was installed in the LP inlet pressure control valve. When an inlet compressor shutdown it caused the valve to swing and resulted in flaring.

Limit: IE was notified and all stabilization was stopped to limit the volume of gas flared.

Corrective Action: IE made changes to the tuning of the valve controller and was able to resolve the issue.

Composition	Parameter	Compound	Value	C	L	U
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Carbon Dioxide	= 0.9478 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Methane	= 81.7084 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Carbon Monoxide	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Hydrogen Sulfide	= 0.5076 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Hexane	= 0.0359 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Butane	= 1.2512 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Pentane	= 0.3866 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Heptane	= 0.383 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	n-Decane	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	n-Nonane	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	n-Octane	= 0.2971 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Nitrogen	= 1.6922 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Propane	= 3.7076 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Ethane	= 8.215 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Isobutane	= 0.5051 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Isopentane	= 0.3725 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Water	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Argon	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Hydrogen	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Helium	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - ARTESIA PLT 5# FLARE - FlowCal Mole%	Oxygen	= 0 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - Event Mole% Consistency Check		= 100 mol %	✓	✓	✓
	07/22/21 12:00:00 pm - Gas Volume Flared		= 114,510 scf	✓	✓	✓

u. Detailed driving directions from nearest New Mexico town:

☐ From Artesia: Go 10 miles east on US Highway 82 to County Road 204. Turn south on County Road 204 and travel 3 miles to County Road 206. Take County Road 206 (Illinois Camp Road) south to Artesia Plant.
GPS: N 32° 45.363' W 104° 12.554'

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 37774

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 37774
	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	Gas Plant
Additional details for Equipment Involved. Please specify	Event: During the one day plant outage a v-ball was installed in the LP inlet pressure control valve. When an inlet compressor shutdown it caused the valve to swing and resulted in flaring. Limit: IE was notified and all stabilization was stopped to limit the volume of gas flared. Corrective Action: IE made changes to the tuning of the valve controller and was able to resolve the issue.

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	82
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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	07/22/2021
Time venting or flaring was discovered or commenced	12:00 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/22/2021
Time venting or flaring was terminated	02:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period during this event	2

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 Valve Natural Gas Flared Spilled: 115 Mcf Recovered: 0 Mcf Lost: 115 Mcf]
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Event: During the one day plant outage a v-ball was installed in the LP inlet pressure control valve. When an inlet compressor shutdown it caused the valve to swing and resulted in flaring. Limit: IE was notified and all stabilization was stopped to limit the volume of gas flared. Corrective Action: IE made changes to the tuning of the valve controller and was able to resolve the issue.
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.	True
Please explain reason for why this event was beyond your operator's control	Event: During the one day plant outage a v-ball was installed in the LP inlet pressure control valve. When an inlet compressor shutdown it caused the valve to swing and resulted in flaring. Limit: IE was notified and all stabilization was stopped to limit the volume of gas flared. Corrective Action: IE made changes to the tuning of the valve controller and was able to resolve the issue.
Steps taken to limit the duration and magnitude of venting or flaring	IE was notified and all stabilization was stopped to limit the volume of gas flared.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	IE made changes to the tuning of the valve controller and was able to resolve the issue.

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CONDITIONS

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	Action Number: 37774
	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.	7/23/2021