



Volumetrics Inc.

3710 East Rio Grande St, Victoria, TX-77901
Phone: 361-827-4024

Company: OXY USA INC
Field/Location : NMSW
Station Name : CORRAL 1 COMP STATION ENERGY TRANSFER CHECK
Station Number : 18000C
Sample Date: 2/23/22 9:45 AM
Analysis Date: 3/7/22 12:45 PM
Instrument: INFICON
Calibration/Verification Date: 3/7/2022
Heat Trace used: YES

Work Order 4000424956
Sampled by: OXY/JE
Sample Type : SPOT-CYLINDER
Sample Temperature (F): 93
Sample Pressure (PSIG): 1230
Flow rate (MCF/Day): 16257
Ambient Temperature (F): 23
Sampling method: FILL & EMPTY
Cylinder Number: 27764

NATURAL GAS ANALYSIS: GPA 2261

Components	Un-Normalized Mol%	Normalized Mol%	GPM 14.650	GPM 14.730	GPM 15.025
Hydrogen Sulfide	0.0000	0.0000			
Nitrogen	1.4221	1.4522			
Methane	74.0532	75.6211			
Carbon Dioxide	0.1772	0.1809			
Ethane	12.0085	12.2627	3.273	3.291	3.357
Propane	6.0764	6.2050	1.706	1.716	1.750
Isobutane	0.8466	0.8645	0.282	0.284	0.290
N-butane	1.9936	2.0358	0.641	0.644	0.657
Isopentane	0.4162	0.4250	0.155	0.156	0.159
N-Pentane	0.4438	0.4532	0.164	0.165	0.168
Hexanes Plus	0.4893	0.4996	0.218	0.219	0.223
Total	97.9269	100.0000			

Hexanes plus split (60%-30%-10%)

Physical Properties (Calculated)	14.650 psia	14.730 psia	15.025 psia
Total GPM Ethane+	6.440	6.475	6.604
Total GPM Iso-Pentane+	0.537	0.540	0.550
Compressibility (Z)	0.9961	0.9961	0.9960
Specific Gravity (Air=1) @ 60 °F	0.7562	0.7562	0.7563
Molecular Weight	21.826	21.826	21.826
Gross Heating Value	14.650 psia	14.730 psia	15.025 psia
Dry, Real (BTU/Ft ³)	1293.2	1300.3	1326.4
Wet, Real (BTU/Ft ³)	1270.7	1277.6	1303.3
Dry, Ideal (BTU/Ft ³)	1288.2	1295.2	1321.2
Wet, Ideal (BTU/Ft ³)	1265.8	1272.7	1298.2

Temperature base 60 °F

Comment: FIELD H2S =0 PPM

Verified by

Mostaq Ahammad
Petroleum Chemist

Approved by

Deann Friend

Deann Friend
Laboratory Manager

UPSET VENTING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** Corral 1S CS**Vent Date:** 01/04/2023**Duration of event:** 4 Hours 30 Minutes**MCF Vented:** 78**Start Time:** 10:47 AM**End Time:** 03:17 PM**Cause:** Venting > Planned Power Provider Outage > Xcel Energy**Method of Gas Measurement:** Estimated Vent Calculations**Comments:**

1. Reason why this event was beyond Operator's control:

This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, venting occurred due to, Xcel Energy, major power provider for the Corral area, scheduled a power outage, which affected Oxy's operations. In preparation for such outage, Oxy relied on back-up power, but the power outage lasted longer than anticipated and venting occurred, once the back-up battery began losing power, and the vent volume overwhelmed the facility's vapor recovery unit. Once Xcel Energy restored power to the area, all emission control devices were brought back online, and venting ceased shortly thereafter. OXY made every effort to control and minimize emissions as much as possible during this event. This venting event is out of OXY's control.

2. Steps Taken to limit duration and magnitude of venting or flaring:

This facility is unmanned, except when Oxy production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, rather than vent. In this case, venting occurred due to, Xcel Energy, major power provider for the Corral area, scheduled a power outage, which affected Oxy's operations. In preparation for such outage, Oxy relied on back-up power, but the power outage lasted longer than anticipated and venting occurred, once the back-up battery began losing power, and the vent volume overwhelmed the facility's vapor recovery unit. Once Xcel Energy restored power to the area, all emission control devices were brought back online, and venting ceased shortly thereafter. OXY made every effort to control and minimize emissions as much as possible during this event.

3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:

Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of venting resulting from third party provider power outages, whether scheduled or unscheduled, as Oxy is unable to decree how long a power outage can continue. Oxy continually strives to maintain and operate all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events, when possible. The actions that Oxy and its field personnel can partake in and handle within its environment of control, is to continue with its alternative back up power stratagems.

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District III
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District IV
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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

DEFINITIONS

Action 181865

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 181865
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none">this application's operator, hereinafter "this operator";venting and/or flaring, hereinafter "vent or flare";any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";the statements in (and/or attached to) this, hereinafter "the statements in this";and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 181865

QUESTIONS

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	Action Number: 181865
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fAPP2126641362] CORRAL #1 COMP STATION

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Venting > Planned Power Provider Outage > Xcel Energy

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	76
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 181865

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/04/2023
Time vent or flare was discovered or commenced	10:47 AM
Time vent or flare was terminated	03:17 PM
Cumulative hours during this event	5

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Other (Specify) Natural Gas Vented Released: 78 Mcf Recovered: 0 Mcf Lost: 78 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Estimated Vent Calculations
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, venting occurred due to, Xcel Energy, major power provider for the Corral area, scheduled a power outage, which affected Oxy's operations. In preparation for such outage, Oxy relied on back-up power, but the power outage lasted longer than anticipated and venting occurred, once the back-up battery began losing power, and the vent volume overwhelmed the facility's vapor recovery unit. Once Xcel Energy restored power to the area, all emission control devices were brought back online, and venting ceased shortly thereafter. OXY made every effort to control and minimize emissions as much as possible during this event. This venting event is out of OXY's control.
Steps taken to limit the duration and magnitude of vent or flare	This facility is unmanned, except when Oxy production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, rather than vent. In this case, venting occurred due to, Xcel Energy, major power provider for the Corral area, scheduled a power outage, which affected Oxy's operations. In preparation for such outage, Oxy relied on back-up power, but the power outage lasted longer than anticipated and venting occurred, once the back-up battery began losing power, and the vent volume overwhelmed the facility's vapor recovery unit. Once Xcel Energy restored power to the area, all emission control devices were brought back online, and venting ceased shortly thereafter. OXY made every effort to control and minimize emissions as much as possible during this event.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of venting resulting from third party provider power outages, whether scheduled or unscheduled, as Oxy is unable to decree how long a power outage can continue. Oxy continually strives to maintain and operate all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events, when possible. The actions that Oxy and its field personnel can partake in and handle within its environment of control, is to continue with its alternative back up power stratagems.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 181865

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CONDITIONS

Created By	Condition	Condition Date
marialuna2	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/1/2023