Certificate of Analysis

Number: 6030-21010203-001A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Chandler Montgomery
Occidental Petroleum
1502 W Commerce Dr.
Carlsbad, NM 88220

Jan. 26, 2021

Field:	AFYU	Sampled By:	Michael Mirabal
Station Name:	Yeso Viking Federal 3 Production	Sample Of:	Gas Spot
Station Number:	14480D	Sample Date:	01/22/2021 04:31
Station Location:	OXY	Sample Conditions:	44 psia, @ 72 °F Ambient: 66 °F
Sample Point:	Downstream	Effective Date:	01/22/2021 04:31
Formation:	Semi Annual	Method:	GPA-2261M
County:	Eddy	Cylinder No:	5030-03063
Type of Sample: :	Spot-Cylinder	Instrument:	70104251 (Inficon GC-MicroFusion)
Heat Trace Used:	N/A	Last Inst. Cal.:	01/11/2021 0:00 AM
Sampling Method: :	Fill and Purge	Analyzed:	01/26/2021 13:40:36 by PGS
Sampling Company: :	SPL		

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	NIL	0.50000	0.724	
Nitrogen	2.804	2.81256	3.346	
Carbon Dioxide	1.796	1.80159	3.367	
Methane	69.073	69.27604	47.195	
Ethane	13.544	13.58369	17.345	3.628
Propane	6.912	6.93276	12.982	1.907
Iso-Butane	0.859	0.86133	2.126	0.281
n-Butane	2.069	2.07499	5.121	0.653
Iso-Pentane	0.530	0.53116	1.627	0.194
n-Pentane	0.525	0.52695	1.614	0.191
Hexanes	0.344	0.34451	1.261	0.141
Heptanes	0.654	0.65623	2.792	0.302
Octanes	0.057	0.05717	0.277	0.029
Nonanes Plus	0.041	0.04102	0.223	0.023
	99.208	100.00000	100.000	7.349

Calculated Physical Properties	Total	C9+
Calculated Molecular Weight	23.55	128.26
Compressibility Factor	0.9956	
Relative Density Real Gas	0.8163	4.4283
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1316.3	6974.4
Water Sat. Gas Base BTU	1293.8	6852.4
Ideal, Gross HV - Dry at 14.65 psia	1310.6	6974.4
Ideal, Gross HV - Wet	1287.6	6852.4

Comments: H2S Field Content 0.5 %
Mcf/day 94.7488

Jesus Escobedo

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

UPSET VENTING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Lakewood 14-2 Battery **Vent Date:** 01/04/2025

Duration of Event: 24 Hours **MCF Vented:** 57.6

Start Time: 12:00 AM **End Time:** 11:59 PM

Cause: Venting > Facility Backpressure Valve > Valve Adjustment Flaw

Method of Vented Gas Measurement: Allocation

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 did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th, 2025, and confirmed the venting was no longer occurring. OPS personnel determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on January 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.

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

It is OXY's policy to route all stranded gas to a flare rather than vent during an unforeseen and unavoidable emergency or malfunction, that is beyond Oxy's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of venting or flaring. In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th, 2025, and confirmed the venting was no longer occurring. It was determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on the 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.

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

In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th, 2025, and confirmed the venting was no longer occurring. It was determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on the 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 466333
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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:

- 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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 466333
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Vent**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2126853680] LAKEWOOD14-2 BATTERY**
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional 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	Yes
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 > Facility Backpressure Valve > Valve Adjustment Flaw

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	5,000
Carbon Dioxide (C02) percentage, if greater than one percent	2
Oxygen (02) 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 (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 466333
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/04/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other | Other (Specify) | Natural Gas Vented | Released: 58 MCF | Recovered: 0 MCF | Lost: 58 MCF.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	Allocation
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	
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 did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th , 2025, and confirmed the venting was no longer occurring. OPS personnel determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on January 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.
	It is OXY's policy to route all stranded gas to a flare rather than vent during an unforeseen and unavoidable emergency or malfunction, that is beyond Oxy's control to avoid, prevent or

Steps taken to limit the duration and magnitude of vent or flare	foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of venting or flaring. In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th, 2025, and confirmed the venting was no longer occurring. It was determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on the 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	In this case, this sudden and unexpected vent release was caught during a flyover which ranged from December 29, 2024, to January 05, 2025. The results of that flyover were submitted to Oxy personnel for review on January 14, 2025. An Oxy emissions technician physically verified the vent leak on January 14th , 2025, and confirmed the venting was no longer occurring. It was determined that the initial venting leak, captured in the flyover, was due to the facility backpressure valve was set lower than the sales line pressure, which in turn, caused the gas to be sent to the tanks rather than to the sales line. This facility is unmanned, except when Oxy production techs are gathering data or conducting walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. Prior to this venting leak being captured during the flyover and Oxy notified of its existence, the venting leak was identified on the 6th by a production tech and the facility backpressure valve was set above the max sales line pressure to prevent any potential future venting. This event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.

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ACKNOWLEDGMENTS

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	Action Number: 466333
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☑	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☑	I hereby certify the statements in this amending 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.
☑	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.
☑	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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 466333
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
shelbyschoepf	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	5/22/2025