

Certificate of Analysis

Number: 6030-24010190-001A

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. 18, 2024

Field: PERMIAN_RESOURCES Sampled By: Roberto Andrade
Station Name: Falcon Ridge CGL Check Sample Of: Gas Spot
Station Number: 16920C Sample Date: 01/16/2024 01:45

Station Location: OP-L3821-CS001 Sample Conditions: 1212.9 psig, @ 93.1 °F Ambient: 25 °F

Sample Point: Meter Effective Date: 01/16/2024 01:45
Formation: NEW_MEXICO Flow Rate: 9433.446 MSCFD
County: Lea Method: GPA-2261M

Well Name: CDP Cylinder No: 1111-007142

Type of Sample: : Spot-Cylinder Instrument: 70104251 (Inficon GC-MicroFusion)

Heat Trace Used: N/A Last Inst. Cal.: 01/15/2024 0:00 AM

Sampling Method: Fill and Purge Analyzed: 01/17/2024 12:26:56 by EBH

Sampling Company: :SPL

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.0000	0.0000	0.0000	
Nitrogen	1.2630	1.2839	1.5206	
Carbon Dioxide	1.0472	1.0645	1.9807	
Methane	68.8088	69.9451	47.4405	
Ethane	12.6002	12.8083	16.2829	3.422
Propane	8.8294	8.9752	16.7325	2.470
Iso-Butane	1.2093	1.2293	3.0208	0.402
n-Butane	2.8878	2.9355	7.2135	0.924
Iso-Pentane	0.6543	0.6651	2.0288	0.243
n-Pentane	0.5769	0.5864	1.7887	0.212
Hexanes	0.2932	0.2980	1.0857	0.122
Heptanes	0.1717	0.1745	0.7393	0.080
Octanes	0.0323	0.0328	0.1584	0.017
Nonanes Plus	0.0014	0.0014	0.0076	0.001
	98.3755	100.0000	100.0000	7.893
Calculated Physical F	Properties	Tot	al	C9+
Calculated Molecular V	Veight	23.6	65	128.26
Compressibility Factor		0.995		
Relative Density Real (0.820	01	4.4283
GPA 2172 Calculation				
Calculated Gross BTI	U per ft³ @ 14.65 ps	sia & 60°F		
Real Gas Dry BTU		1372	.7	6974.4
Water Sat. Gas Base E	3TU	1349	.3	6852.4
Ideal, Gross HV - Dry a	at 14.65 psia	1366	.4	6974.4
Ideal, Gross HV - Wet		1342	.5	6852.4

Comments: H2S Field Content 0 ppm

FMP/LSE N/A, WO#4001595465

Bulg &

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 Id# fAPP2333082512 Operator: OXY USA, Inc.

Facility: Falcon Ridge CGL CS Vent Date: 06/05/2025

Duration of Event: 6 Hours MCF Vented: 59

Start Time: 11:00 AM End Time: 12:40 PM

Cause: Severe Weather > Power Outage > Main PLC and Battery Backup > PLC Communication Failure >

Equipment Malfunction > VCU

Method of Vented Gas Measurement: Allocation Calculated

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. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, severe thunderstorms and lightning affected the Falcon Ridge area, causing equipment issues at the Falcon Ridge CGL due to a weatherinduced power outage. As a result of the severe weather conditions, the main PLC and battery back at Falcon Ridge CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered venting to occur with the VCU as a result of the power outage. Following the cessation of the thunderstorm and lightning, and the subsequent restoration of power to the area and the facility, OXY production technicians performed an initial inspection of the CGL facility. During this inspection, they observed that the VCU was not operating and slowly venting as a result of the main PLC malfunctioning. The OXY production technician immediately requested that an electrician and an automation technician be dispatched to troubleshoot the main PLC so that the VCU could be brought back online to cease venting. Prior to the venting occurring, all equipment at the facility was working as designed and operated normally prior to the sudden and without warning malfunction from a weather induced power outage. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

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

In this case, severe thunderstorms and lightning affected the Falcon Ridge area, causing equipment issues at the Falcon Ridge CGL due to a weather-induced power outage. As a result of the severe weather conditions, the main PLC and battery back at Falcon Ridge CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered venting to occur with the VCU as a result of the power outage. Following the cessation of the thunderstorm and lightning, and the subsequent restoration of power to the area and the facility, OXY production technicians performed an initial inspection of the CGL facility. During this inspection, they observed that the VCU was not operating and slowly venting as a result of the main PLC malfunctioning. The OXY production technician immediately requested that an electrician and an automation technician be dispatched to troubleshoot the main PLC so that the VCU could be brought back online to cease venting. Prior to the venting occurring, all equipment at the facility was working as designed and operated normally prior to the sudden and without warning malfunction from a weather induced power outage. Once the issues with the main plc were resolved, the Oxy production technician along with the automation technician were able to restart the VCU and

ensure venting ceased. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

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

Oxy has limited options for corrective actions to address the causes and potential recurrence of equipment malfunctions. This is due to the dynamic nature of various equipment designs and operations. Facility equipment, regardless of type, can experience sudden and unforeseeable alarms, whether false or true, which may lead to unexpected malfunctions and subsequently trigger venting events. Oxy continually strives to maintain and operate all its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events.

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

Action 478996

DEFINITIONS

ı	Operator:	OGRID:
ı	OXY USA INC	16696
ı	P.O. Box 4294	Action Number:
ı	Houston, TX 772104294	478996
ı		Action Type:
ı		[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:

- 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 478996

Ο	JESTIONS	
Operator:	OGRID:	
OXY USA INC		16696
P.O. Box 4294 Houston, TX 772104294	Action Nu	mber: 478996
	Action Typ	pe: [C-129] Venting and/or Flaring (C-129)
QUESTIONS		
Prerequisites		
Any messages presented in this section, will prevent submission of this application. Please resolve t	nese issues before continuing with the rest of	f the questions.
Incident Well	Unavailable.	
Incident Facility	[fAPP2333082512] Falcon Ridge CGI	L CS
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers are		
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 v	nting 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	Severe Weather > Power Outage > M Failure > Equipment Malfunction > VC	lain PLC and Battery Backup > PLC Communication CU
Representative Compositional Analysis of Vented or Flared Natural Gas		
Please provide the mole percent for the percentage questions in this group.	70	
Methane (CH4) percentage	70	
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	1	
Oxygen (02) percentage, if greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required spec	fications 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.	

Not answered.

Oxygen (02) percentage quality requirement

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QUESTIONS, Page 2

Action 478996

QUES	TIONS (continued)
Operator:	OGRID:
OXY USA INC P.O. Box 4294	16696 Action Number:
Houston, TX 772104294	478996
	Action Type: [C-129] Venting and/or Flaring (C-129)
QUESTIONS	
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/05/2025
Time vent or flare was discovered or commenced	04:30 PM
Time vent or flare was terminated	10:30 PM
Cumulative hours during this event	6
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Other (Specify) Natural Gas Vented Released: 59 Mcf Recovered: 0 Mcf Lost: 59 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Allocated Calculation
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.
This remove of commencering and remove indice	Not undirected.
Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current ever 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. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, severe thunderstorms and lightning affected the Falcon Ridge area, causing equipment issues at the Falcon Ridge CGL due to a weather-induced power outage. As a result of the severe weather conditions, the main PLC and battery back at Falcon Ridge CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered venting to occur with the VCU as a result of the power outage. Following the cessation of the thunderstorm and lightning, and the subsequent restoration of power to the area and the facility, OXY production technicians performed an initial inspection of the CGL facility. During this inspection, they observed that the VCU was not operating and slowly venting as a result of the main PLC.

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Steps taken to limit the duration and magnitude of vent or flare	In this case, severe thunderstorms and lightning affected the Falcon Ridge area, causing equipment issues at the Falcon Ridge CGL due to a weather-induced power outage. As a result of the severe weather conditions, the main PLC and battery back at Falcon Ridge CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered venting to occur with the VCU as a result of the power outage. Following the cessation of the thunderstorm and lightning, and the subsequent restoration of power to the area and the facility, OXY production technicians performed an initial inspection of the CGL facility. During this inspection, they observed that the VCU was not operating and slowly venting as a result of the main PLC malfunctioning. The OXY production technician immediately requested that an electrician and an automation technician be dispatched to troubleshoot the main PLC so that the VCU could be brought back online to cease venting. Prior to the venting occurring, all equipment at the facility was working as designed and operated normally prior to the sudden and without warning malfunction from a weather induced power outage. Once the issues with the main plc were resolved, the Oxy production technician along with the automation technician were able to restart the VCU and ensure venting ceased. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy has limited options for corrective actions to address the causes and potential recurrence of equipment malfunctions. This is due to the dynamic nature of various equipment designs and operations. Facility equipment, regardless of type, can experience sudden and unforeseeable alarms, whether false or true, which may lead to unexpected malfunctions and subsequently trigger venting events. Oxy continually strives to maintain and operate all its equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events.

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

ACKNOWLEDGMENTS

V	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.
V	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.
V	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.
V	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.
V	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 478996

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	478996
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By		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.	6/25/2025