



Certificate of Analysis

Number: 6030-24010172-001A

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. 17, 2024

Field:	PERMIAN_RESOURCES	Sampled By:	Mike Armijo
Station Name:	Falcon Ridge CPF Flare Fuel	Sample Of:	Gas Composite
Station Number:	N/A	Sample Date:	01/15/2024 11:45
Station Location:	Fuel Gas	Sample Conditions:	123 psig Ambient: 78 °F
Sample Point:	Inlet	Effective Date:	01/15/2024 11:45
Formation:	NEW_MEXICO	Flow Rate:	N/A
County:	Lea	Method:	GPA-2261M
Well Name:	N/A	Cylinder No:	1111-008297
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:	01/16/2024 13:57:29 by EBH
Sampling Company:	:SPL		

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.0000	0.0005	0.0008	
Nitrogen	1.3597	1.3866	1.7817	
Carbon Dioxide	1.0467	1.0674	2.1548	
Methane	73.3808	74.8346	55.0684	
Ethane	12.2177	12.4597	17.1853	3.326
Propane	6.6220	6.7532	13.6595	1.857
Iso-Butane	0.7649	0.7801	2.0798	0.255
n-Butane	1.6468	1.6794	4.4774	0.528
Iso-Pentane	0.4382	0.4469	1.4790	0.163
n-Pentane	0.4004	0.4083	1.3513	0.148
Hexanes	0.1293	0.1319	0.5214	0.054
Heptanes	0.0450	0.0459	0.2110	0.021
Octanes	0.0043	0.0044	0.0231	0.002
Nonanes Plus	0.0011	0.0011	0.0065	0.001
	98.0569	100.0000	100.0000	6.355

Calculated Physical Properties	Total	C9+
Calculated Molecular Weight	21.80	128.26
Compressibility Factor	0.9962	
Relative Density Real Gas	0.7553	4.4283
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1270.6	6974.4
Water Sat. Gas Base BTU	1248.9	6852.4
Ideal, Gross HV - Dry at 14.65 psia	1265.8	6974.4
Ideal, Gross HV - Wet	1243.7	6852.4

Comments: H2S Field Content 4.5 ppm
FMP/LSE N/A,

Hydrocarbon Laboratory Manager

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



UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility Id# fAPP2331575145

Facility: Falcon Ridge Tankless CPF

Duration of Event: 1 Hour 12 Minutes

Start Time: 07:10 PM

Cause: Planned Maintenance Work > Production Vessel > Purge

Method of Flared Gas Measurement: Gas Flare Meter

Operator: OXY USA, Inc.

Flare Date: 05/05/2026

MCF Flared: 160

End Time: 08:22 PM

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

Under these circumstances, this flaring incident occurred as a result of activities conducted during scheduled clean out work and maintenance on a production vessel. The vessel was cleaned out and then thoroughly purged prior to its integration with facility operations for subsequent startup and performance evaluation.

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

Under these circumstances, this flaring incident occurred as a result of activities conducted during scheduled clean out work and maintenance on a production vessel. The vessel was cleaned out and then thoroughly purged prior to its integration with facility operations for subsequent startup and performance evaluation.

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

OXY has few alternatives available for fully eliminating the cause and recurrence of flaring during planned equipment maintenance, as controlled flaring is a critical requirement to safely depressurize, drain, and purge the equipment. This process helps prevent catastrophic events such as explosions or structural damage resulting from overpressure. Flaring facilitates safe personnel access by eliminating hazardous, toxic, or flammable substances from pipes, gas lines, testers, and vessels prior to opening and commissioning as part of facility operations. During scheduled start-ups and maintenance activities, OXY personnel proactively strive to minimize its flaring and implement all feasible measures to reduce the duration of its emissions.

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 587851

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 587851
	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:

- 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 587851

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 587851
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2331575145] Falcon Ridge Tankless CPF

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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 within 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	Planned Maintenance Work > Production Vessel > Purge

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	75
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	5
Carbon Dioxide (CO2) percentage, if greater than one percent	1
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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.

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QUESTIONS, Page 2

Action 587851

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/05/2026
Time vent or flare was discovered or commenced	07:10 PM
Time vent or flare was terminated	08:22 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Normal Operations Other (Specify) Natural Gas Flared Released: 160 Mcf Recovered: 0 Mcf Lost: 160 Mcf.
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	Gas Flare Meter
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	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	<i>Not answered.</i>
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

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.	False
Please explain reason for why this event was beyond this operator's control	Under these circumstances, this flaring incident occurred as a result of activities conducted during scheduled clean out work and maintenance on a production vessel. The vessel was cleaned out and then thoroughly purged prior to its integration with facility operations for subsequent startup and performance evaluation.
Steps taken to limit the duration and magnitude of vent or flare	Under these circumstances, this flaring incident occurred as a result of activities conducted during scheduled clean out work and maintenance on a production vessel. The vessel was cleaned out and then thoroughly purged prior to its integration with facility operations for subsequent startup and performance evaluation.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY has few alternatives available for fully eliminating the cause and recurrence of flaring during planned equipment maintenance, as controlled flaring is a critical requirement to safely depressurize, drain, and purge the equipment. This process helps prevent catastrophic events such as explosions or structural damage resulting from overpressure. Flaring facilitates safe personnel access by eliminating hazardous, toxic, or flammable substances from pipes, gas lines, testers, and vessels prior to opening and commissioning

as part of facility operations. During scheduled start-ups and maintenance activities, OXY personnel proactively strive to minimize its flaring and implement all feasible measures to reduce the duration of its emissions.

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ACKNOWLEDGMENTS

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	Action Number: 587851
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 587851

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	Action Number: 587851
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	5/22/2026