

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
Station Name: Falcon Ridge CPF Flare Fuel

Station Number: N/A
Station Location: Fuel Gas
Sample Point: Inlet

Formation: NEW_MEXICO

County: Lea Well Name: N/A

Type of Sample: : Spot-Cylinder

Heat Trace Used: N/A

Sampling Method: : Fill and Purge

Sampling Company: : SPL

Sampled By: Mike Armijo Sample Of: Gas C

Sample Of: Gas Composite
Sample Date: 01/15/2024 11:45
Sample Conditions: 123 psig Ambient: 78 °F

Effective Date: 01/15/2024 11:45

Flow Rate: N/A

Method: GPA-2261M Cylinder No: 1111-008297

Instrument: 70104251 (Inficon GC-MicroFusion)

Last Inst. Cal.: 01/15/2024 0:00 AM

Analyzed: 01/16/2024 13:57:29 by EBH

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		Tot	al	C9+	
Calculated Molecular Weight		21.8	30	128.26	
Compressibility Factor		0.996	52		
Relative Density Real Gas		0.755	53	4.4283	
GPA 2172 Calculation					
Calculated Gross BTU per ft ³ @ 14.65 psia		sia & 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 Fie					

FMP/LSE N/A,

189. Dulge &

Hydrocarbon Laboratory Manager

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

Quality Assurance:

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Falcon Ridge CPF Flare Date: 01/13/2024

Duration of Event: 1 Hour 10 Minutes **MCF Flared:** 741

Start Time: 10:40 PM End Time: 11:50 PM

Cause: Emergency Flare > Multiple Equipment Issues

Method of Flared Gas Measurement: Gas Flare Meter

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, there was a sudden and unexpected equipment malfunction with train 2 at the Falcon Ridge CPF, which had a COC, which in turn also affected the Falcon Ridge CGL, causing that facility to COC as well, and triggering a flaring event at the Falcon Ridge CPF, once all the compression equipment malfunctioned. The Falcon Ridge CGL gas was routed to flare at the Falcon Ridge CPF along with the gas from the CPF, when the COC occurred. This event is out of OXY's control yet 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 its stranded gas to a flare 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 flaring. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there was a sudden and unexpected equipment malfunction with train 2 at the Falcon Ridge CPF, which had a COC, which in turn also affected the Falcon Ridge CGL, causing that facility to COC as well, and triggering a flaring event at the Falcon Ridge CPF, once all the compression equipment malfunctioned. The Falcon Ridge CGL gas was routed to flare at the Falcon Ridge CPF along with the gas from the CPF, when the COC occurred. As soon as flaring triggered, Oxy production techs, who were on-site, began to hold chokes and choked back lifted wells to assist in mitigating flaring, which took some time to do. This event is out of OXY's control yet 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:

Oxy is limited in the corrective actions available to them to eliminate the cause and potential reoccurrence of equipment malfunctions as notwithstanding various equipment design and operation, equipment operations are inherently dynamic and even the smallest alarms, false or true, can be sudden, reasonably unforeseeable, and unexpected which can cause unexpected and without warning malfunctions to occur, thereby, triggering flaring to occur. 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. Oxy has a strong and positive equipment preventative maintenance program in place.

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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

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**

DEFINITIONS

Action 321925

DEFINITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	321925
	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

Action 321925

٥	UESTIONS	
Operator:	3_31.01.0	OGRID:
OXY USA INC P.O. Box 4294		16696 Action Number:
Houston, TX 772104294		321925
		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 conti	nuing with the rest of the questions.
Incident ID (n#)	Unavailable.	
Incident Name	Unavailable.	
Incident Type	Flare	
Incident Status	Unavailable.	
Incident Facility	[fAPP2331575145]	Falcon Ridge Tankless CPF
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section	I on) that are assigned to y	our 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 as	nd may provide addienal	guidance
Was this vent or flare caused by an emergency or malfunction	Yes	yuuance.
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, major 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	enting 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	Emergency Flare >	Multiple Equipment Issues
Denves enteting Compositional Anglysis of Vented as Flored Natural Co-		
Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.		
Methane (CH4) percentage	75	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	5	
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 specification.		
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 321925

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	Action Type:
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QUESTIONS

Date(s) and Time(s)		
Date vent or flare was discovered or commenced	01/13/2024	
Time vent or flare was discovered or commenced	10:40 PM	
Time vent or flare was terminated	11:50 PM	
Cumulative hours during this event	1	

Measured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Other Other (Specify) Natural Gas Flared Released: 741 Mcf Recovered: 0 Mcf Lost: 741 Mcf.	
Other Released Details	Not answered.	
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	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. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, there was a sudden and unexpected equipment malfunction with train 2 at the Falcon Ridge CPF, which had a COC, which in turn also affected the Falcon Ridge CGL, causing that facility to COC as well, and triggering a flaring event at the Falcon Ridge CPF, once all the compression equipment malfunctioned. The Falcon Ridge CGL gas was routed to flare at the Falcon Ridge CPF along with the gas from the CPF, when the COC occurred. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible.
Steps taken to limit the duration and magnitude of vent or flare	It is OXY's policy to route its stranded gas to a flare 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 flaring. The flare at this facility has a 98% combustion efficiency to lessen emissions as much as possible. In this case, there was a sudden and unexpected equipment malfunction with train 2 at the Falcon Ridge CPF, which had a COC, which in turn also affected the Falcon Ridge CGL, causing that facility to COC as well, and triggering a flaring event at the Falcon Ridge CPF, once all the compression equipment malfunctioned.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

V	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.
V	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.
V	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.
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 321925

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	321925
	Action Type:
	[C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
marialuna2	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.	3/10/2024