Certificate of Analysis

Number: 6030-25030656-001A

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

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

Field:	PERMIAN_RESOURCES	Report Date:	04/07/2025
Station Name:	Lost Tank 5 CPF Production 2	Sampled By:	Scot
Station Number:	118611	Sample Of:	Gas
Station Location:	OP-DELNE-BT011	Sample Type:	Spot
Sample Point:	Meter	Sample Conditions:	105.3 psig, @ 100.5 °F Ambient: 66 °F
Property ID:	FMP/LSE N/A	Sample Date:	03/28/2025 08:27
Formation:	NEW_MEXICO	Received Date:	03/31/2025
County:		Login Date:	03/31/2025
Well Name:	CTB	Effective Date:	04/01/2025
Type of Sample: :	Spot-Cylinder	Flow Rate:	18646 MSCFD
Sampling Company: :	OXY	Sampling Method:	
Heat Trace Used:	N/A	Heating Method:	
Sampling Method:	Purge and Fill	Method:	GPA-2261M
Last Inst. Cal.:	03/31/2025 0:00 AM	Cylinder No:	9999-005161
Analyzed:	04/03/2025 11:24:27 by CDW	Instrument:	70142339 (Inficon GC-MicroFusion)

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0000	0.0003	0.0004	
Nitrogen	1.6592	1.6393	1.9223	
Carbon Dioxide	0.1423	0.1406	0.2590	
Methane	70.8415	69.9905	47.0021	
Ethane	14.1849	14.0145	17.6402	3.765
Propane	7.7047	7.6122	14.0512	2.107
Iso-Butane	1.0015	0.9895	2.4075	0.325
n-Butane	2.7979	2.7643	6.7257	0.875
Iso-Pentane	0.6647	0.6567	1.9834	0.241
n-Pentane	0.8089	0.7992	2.4137	0.291
Hexanes	0.6459	0.6381	2.3019	0.264
Heptanes	0.5758	0.5689	2.3863	0.264
Octanes	0.1583	0.1564	0.7479	0.080
Nonanes Plus	0.0298	0.0295	0.1584	0.017
	101.2154	100.0000	100.0000	8.229

Calculated Physical Properties	**Total**	**C9+**
Calculated Molecular Weight	23.89	128.26
Compressibility Factor	0.9952	
Relative Density Real Gas	0.8285	4.4283
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.73 psia & 60°F		
Real Gas Dry BTU	1410.6	7012.5
Water Sat. Gas Base BTU	1386.7	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1403.8	6978.9
Ideal, Gross HV - Wet	1379.4	6854.3

Comments: H2S Field Content: 2.5 ppm

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility Id# fAPP2410600153 **Operator:** OXY USA, Inc.

Facility: Lost Tank 5 CPF **Flare Date:** 06/27/2025

Duration of Event: 2 Hours 15 Minutes **MCF Flared:** 240

Start Time: 05:45 PM **End Time:** 08:00 PM

Cause: Emergency Flare > Third Party Energy Power Provider > Xcel Energy > Power Outage > Lost Tank 5 CGL > Emergency Shutdown

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 effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this instance, third-party power provider, Xcel Energy, encountered continuous operational issues with their electrical recloser remaining open again due to extreme weather in the area for another day, resulting in another power outage that impacted the Lost Tank 5 CGL facility. The malfunction of Xcel Energy's electrical recloser triggered a power production failure, leading to a power outage and causing an emergency shutdown of the Lost Tank 5 CGL facility. The emergency shutdown procedure was activated as soon as the power outage occurred, on a RIO 05211 power failure and communication loss, which subsequently caused the compression equipment to shut down. As a result of the power outage due to Xcel Energy's electrical recloser malfunction and the compression equipment automatically shutting down, this in turn triggered a flaring event at the Lost Tank 5 CPF when field pressure increased significantly. This incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Lost Tank 5 CGL was operating and running normally, and field pressure was within safe and acceptable levels prior to the power outage occurring. All OXY's facilities require consistent power to function; power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment and field pressure, which poses risks of rupture or explosions. OXY's field and operations teams diligently oversee the facility and field pressure to swiftly identify any deviations from standard operational parameters. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions during this event. Once power was fully restored, a compressor mechanic, who was in the area, was dispatched to assist with bringing the compression equipment online and running at full capacity. 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:

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 98% combustion efficiency to lessen emissions as much as possible. Internal OXY procedures ensure that upon unexpected emergency facility shutdowns, production technicians are instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. OXY production technicians must

assess whether an emergency facility shutdown is due to damage and immediate repair is needed, or whether there are other reasons for its cause. In this instance, third-party power provider, Xcel Energy, encountered continuous operational issues with their electrical recloser remaining open again due to extreme weather in the area for another day, resulting in another power outage that impacted the Lost Tank 5 CGL facility. The malfunction of Xcel Energy's electrical recloser triggered a power production failure, leading to a power outage and causing an emergency shutdown of the Lost Tank 5 CGL facility. The emergency shutdown procedure was activated as soon as the power outage occurred, on a RIO 05211 power failure and communication loss, which subsequently caused the compression equipment to shut down. As a result of the power outage due to Xcel Energy's electrical recloser malfunction and the compression equipment automatically shutting down, this in turn triggered a flaring event at the Lost Tank 5 CPF when field pressure increased significantly. This incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Lost Tank 5 CGL was operating and running normally, and field pressure was within safe and acceptable levels prior to the power outage occurring. All OXY's facilities require consistent power to function; power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment and field pressure, which poses risks of rupture or explosions. OXY's field and operations teams diligently oversee the facility and field pressure to swiftly identify any deviations from standard operational parameters. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions during this event. As soon as Lost Tank 5 CGL lost power, and flaring was triggered at Lost Tank 5 CPF, OXY production technicians began inspecting the facility to determine the cause of the power outage while additional field personnel began to manually choke back wells to keep field pressure below the flare trigger setpoints at the Lost Tank 5 CPF facility, which ceased flaring. Once power was fully restored, a compressor mechanic, who was in the area, was dispatched to assist with bringing the compression equipment online and running at full capacity. 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 is unable to implement corrective measures to address the root cause and prevent future incidents of power outages or surges, as this issue falls beyond OXY's custody transfer point and outside its control. When third-party power providers encounter equipment malfunctions issues, it impacts OXY's ability to operate its facility normally without power, resulting in the need to flare excess gas under these circumstances, to ensure the safety of its operations, equipment, and field personnel. OXY is dedicated to reducing emissions to the greatest extent feasible and strives to ensure that all operational equipment is restored to normal functioning and operates at peak efficiency.

Released to Imaging: 7/14/2025 8:53:52 PM

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: 484773
	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 484773

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 484773
	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	**[fAPP2410600153] Lost Tank 5 Tankless CPF**

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	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	Emergency Flare > Third Party Energy Power Provider > Xcel Energy > Power Outage > Lost Tank 5 CGL > Emergency Shutdown

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	70
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (C02) percentage, if greater than one percent	0
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: 484773
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/27/2025
Time vent or flare was discovered or commenced	05:45 PM
Time vent or flare was terminated	08:00 PM
Cumulative hours during this event	2

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: 240 Mcf | Recovered: 0 Mcf | Lost: 240 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	*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 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 effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this instance, third-party power provider, Xcel Energy, encountered continuous operational issues with their electrical recloser remaining open again due to extreme weather in the area for another day, resulting in another power outage that impacted the Lost Tank 5 CGL facility. The malfunction of Xcel Energy's electrical recloser triggered a power production failure, leading to a power outage and causing an emergency shutdown of the Lost Tank 5 CGL facility. The emergency shutdown procedure was activated as soon as the power outage occurred, on a RIO 05211 power failure and communication loss, which subsequently caused the compression equipment to shut down. As a result of the power outage due to Xcel Energy's electrical recloser malfunction and the compression equipment automatically shutting down, this in turn triggered a flaring event at the Lost Tank 5 CPF when field pressure increased significantly. This incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Lost Tank 5 CGL was operating and running normally, and field pressure was within safe and acceptable levels prior to the power outage occurring. All OXY's facilities require consistent power to function; power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in

	critical equipment and field pressure, which poses risks of rupture or explosions.
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 98% combustion efficiency to lessen emissions as much as possible. Internal OXY procedures ensure that upon unexpected emergency facility shutdowns, production technicians are instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. OXY production technicians must assess whether an emergency facility shutdown is due to damage and immediate repair is needed, or whether there are other reasons for its cause. In this instance, third-party power provider, Xcel Energy, encountered continuous operational issues with their electrical recloser remaining open again due to extreme weather in the area for another day, resulting in another power outage that impacted the Lost Tank 5 CGL facility. The malfunction of Xcel Energy's electrical recloser triggered a power production failure, leading to a power outage and causing an emergency shutdown of the Lost Tank 5 CGL facility. The emergency shutdown procedure was activated as soon as the power outage occurred, on a RIO 05211 power failure and communication loss, which subsequently caused the compression equipment to shut down. As a result of the power outage due to Xcel Energy's electrical recloser malfunction and the compression equipment automatically shutting down, this in turn triggered a flaring event at the Lost Tank 5 CPF when field pressure increased significantly. This incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Lost Tank 5 CGL was operating and running normally, and field pressure was within safe and acceptable levels prior to the power outage occurring.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY is unable to implement corrective measures to address the root cause and prevent future incidents of power outages or surges, as this issue falls beyond OXY's custody transfer point and outside its control. When third-party power providers encounter equipment malfunctions issues, it impacts OXY’s ability to operate its facility normally without power, resulting in the need to flare excess gas under these circumstances, to ensure the safety of its operations, equipment, and field personnel. OXY is dedicated to reducing emissions to the greatest extent feasible and strives to ensure that all operational equipment is restored to normal functioning and operates at peak efficiency.

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ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 484773
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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.
☑	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.
☑	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.
☑	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: 484773
	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.	7/14/2025