Certificate of Analysis

Number: 6030-25030113-001A

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:	03/11/2025
Station Name:	Red Tank 19 Train 2 Check	Sampled By:	Ian Pollock
Station Number:	15622C	Sample Of:	Gas
Station Location:	OP-L2151-BT001	Sample Type:	Spot
Sample Point:	Meter	Sample Conditions:	128 psig, @ 78.1 °F
Property ID:	FMP/LSE N/A	Sample Date:	02/28/2025 11:40
Formation:	NEW_MEXICO	Received Date:	03/07/2025
County:		Login Date:	03/07/2025
Well Name:	CTB	Effective Date:	03/01/2025
Type of Sample: :	Spot-Cylinder	Flow Rate:	35692 MSCFD
Sampling Company: :	SPL	Sampling Method:	
Heat Trace Used:	N/A	Heating Method:	
Sampling Method:	Purge and Fill	Method:	GPA-2261M
Last Inst. Cal.:	03/10/2025 07:40:57	Cylinder No:	5030-03289
Analyzed:	03/11/2025 07:14:46 by CDW	Instrument:	6030_GC6 (Inficon GC-3000 Micro)

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia		
Hydrogen Sulfide	0.0000	0.0003	0.0005		GPM TOTAL C2+	6.319
Nitrogen	2.2260	2.2093	2.7879		GPM TOTAL C3+	3.071
Methane	74.0508	73.4967	53.1133		GPM TOTAL iC5+	0.443
Carbon Dioxide	1.8717	1.8577	3.6829			
Ethane	12.2596	12.1678	16.4814	3.248		
Propane	6.4182	6.3702	12.6536	1.752		
Iso-butane	0.8106	0.8045	2.1064	0.263		
n-Butane	1.9626	1.9479	5.1000	0.613		
Iso-pentane	0.3830	0.3801	1.2354	0.139		
n-Pentane	0.3985	0.3955	1.2854	0.143		
Hexanes Plus	0.3728	0.3700	1.5532	0.161		
	100.7538	100.0000	100.0000	6.319		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7691	3.2176
Calculated Molecular Weight	22.20	93.19
Compressibility Factor	0.9962	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1259	5113
Water Sat. Gas Base BTU	1237	5024
Ideal, Gross HV - Dry at 14.65 psia	1253.7	5113.2
Ideal, Gross HV - Wet	1231.8	5023.7
Net BTU Dry Gas - real gas	1143	
Net BTU Wet Gas - real gas	1123	

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# fAPP2127031815

Operator: OXY USA, Inc.

Facility: Red Tank 19 CTB

Flare Date: 08/07/2025

Duration of Event: 6 Hours

MCF Flared: 1038

Start Time: 06:00 PM

End Time: 11:59 PM

Cause: Emergency Flare > Third Party Energy Power Provider > Xcel Energy > Transmission Power Outage > 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 case, Xcel Energy, the third-party power provider, conducted an in-house scheduled transmission power outage that impacted the Red Tank area. OXY, however, did not receive advance notice of this power outage, which led to a flaring event at Red Tank 19 CTB as field pressure rose due to widespread power loss across nearly all OXY Red Tank facilities. The incident was unanticipated and unavoidable, occurring without prior communication or warning from Xcel Energy. Prior to the sudden outage, Red Tank 19 CTB and all OXY Red Tank area facilities were functioning normally, with field pressures maintained within safe and acceptable parameters. 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 accepted 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. 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 case, Xcel Energy, the third-party power provider, conducted an in-house scheduled transmission power outage that impacted the Red Tank area. OXY, however, did not receive advance notice of this power outage, which led to a flaring event at Red Tank 19 CTB as field pressure rose due to widespread power loss across nearly all OXY Red Tank facilities. The incident was unanticipated and unavoidable, occurring without prior communication or warning from Xcel Energy. Prior to the sudden outage, Red Tank 19 CTB and all OXY Red Tank area facilities were functioning normally, with field pressures maintained within safe and

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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, as this issue falls beyond OXY's custody transfer point and outside its control. When third-party power providers experience equipment malfunctions or scheduled transmission outages without notifying customers such as OXY, this can impact OXY's facility operations. In these circumstances, flaring excess gas may be required to maintain operational safety, as power outages can result in pumps, valves, and compressors ceasing to function, which could lead to overpressure in certain equipment and field lines, increasing the risk of rupture or explosion. OXY undertakes measures to reduce emissions where possible and works to restore operational equipment to normal function and proficiency in a safe and efficient manner.

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: 498644
	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 498644

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 498644
	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	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2127031815] RED TANK 19 CTB**
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	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 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 > Transmission Power Outage > 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	73
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	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: 498644
	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	08/07/2025
Time vent or flare was discovered or commenced	06:00 PM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	6

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: 1,038 Mcf | Recovered: 0 Mcf | Lost: 1,038 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 effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this case, Xcel Energy, the third-party power provider, conducted an in-house scheduled transmission power outage that impacted the Red Tank area. OXY, however, did not receive advance notice of this power outage, which led to a flaring event at Red Tank 19 CTB as field pressure rose due to widespread power loss across nearly all OXY Red Tank facilities. The incident was unanticipated and unavoidable, occurring without prior communication or warning from Xcel Energy. Prior to the sudden outage, Red Tank 19 CTB and all OXY Red Tank area facilities were functioning normally, with field pressures maintained within safe and acceptable parameters. 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 accepted 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. The occurrence of this event was beyond OXY's control. OXY

	took all possible measures to manage and reduce emissions to the greatest extent.
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 case, Xcel Energy, the third-party power provider, conducted an in-house scheduled transmission power outage that impacted the Red Tank area. OXY, however, did not receive advance notice of this power outage, which led to a flaring event at Red Tank 19 CTB as field pressure rose due to widespread power loss across nearly all OXY Red Tank facilities. The incident was unanticipated and unavoidable, occurring without prior communication or warning from Xcel Energy. Prior to the sudden outage, Red Tank 19 CTB and all OXY Red Tank area facilities were functioning normally, with field pressures maintained within safe and acceptable parameters. 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 accepted standard operational parameters.
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, as this issue falls beyond OXY's custody transfer point and outside its control. When third-party power providers experience equipment malfunctions or scheduled transmission outages without notifying customers such as OXY, this can impact OXY's facility operations. In these circumstances, flaring excess gas may be required to maintain operational safety, as power outages can result in pumps, valves, and compressors ceasing to function, which could lead to overpressure in certain equipment and field lines, increasing the risk of rupture or explosion. OXY undertakes measures to reduce emissions where possible and works to restore operational equipment to normal function and proficiency in a safe and efficient manner.

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ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 498644
	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: 498644
	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.	8/22/2025