



## Certificate of Analysis

Number: 6030-24080778-001A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

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

Sep. 07, 2024

Field:	PERMIAN_RESOURCES	Sampled By:	JE
Station Name:	Mesa Verde CTB Check (FMP)	Sample Of:	Gas Spot
Station Number:	15500C	Sample Date:	08/26/2024 13:00
Station Location:	OP-L2109-BT001	Sample Conditions:	88 psig, @ 100 °F Ambient: 94 °F
Sample Point:	Meter	Effective Date:	08/26/2024 13:00
Property ID:	FMP/LSE NMNM137096X	Flow Rate:	16345 MSCFD
Formation:	NEW_MEXICO	Method:	GPA-2261M
County:		Cylinder No:	1111-012788
Well Name:	CTB	Instrument:	70142339 (Inficon GC-MicroFusion)
Type of Sample:	Spot-Cylinder	Last Inst. Cal.:	08/26/2024 0:00 AM
Heat Trace Used:	N/A	Analyzed:	08/29/2024 11:13:00 by CDW
Sampling Method:	Fill and Purge	Sampling Company:	:OXY

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia
Hydrogen Sulfide	0.0000	0.0000	0.0000	
Nitrogen	1.5659	1.5454	1.8290	
Carbon Dioxide	3.1602	3.1189	5.7990	
Methane	73.5473	72.5866	49.1967	
Ethane	11.1262	10.9809	13.9497	2.933
Propane	5.8165	5.7405	10.6943	1.580
Iso-Butane	0.8750	0.8636	2.1206	0.282
n-Butane	2.2109	2.1820	5.3580	0.687
Iso-Pentane	0.5872	0.5795	1.7664	0.212
n-Pentane	0.6889	0.6799	2.0724	0.246
Hexanes	0.5852	0.5776	2.1029	0.237
Heptanes	0.7336	0.7240	3.0649	0.334
Octanes	0.4029	0.3976	1.9188	0.203
Nonanes Plus	0.0238	0.0235	0.1273	0.013
	101.3236	100.0000	100.0000	6.727

## Calculated Physical Properties

	Total	C9+
Calculated Molecular Weight	23.67	128.26
Compressibility Factor	0.9955	
Relative Density Real Gas	0.8206	4.4283

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.65 psia & 60°F

Real Gas Dry BTU	1317.2	6974.4
Water Sat. Gas Base BTU	1294.7	6852.4
Ideal, Gross HV - Dry at 14.65 psia	1311.3	6943.2
Ideal, Gross HV - Wet	1288.3	6818.7

Comments: H2S Field Content 0 ppm

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#** fAPP2126659618

**Operator:** OXY USA, Inc.

**Facility:** Mesa Verde 18 CTB

**Flare Date:** 12/15/2025

**Duration of Event:** 3 Hours 50 Minutes

**MCF Flared:** 571

**Start Time:** 03:31 AM

**End Time:** 07:21 AM

**Cause:** Emergency Flare > Third Party Downstream Activity > Enlink > Lobo Station > Automation Issues

**Method of Flared Gas Measurement:** Gas Flare Meter

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

The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted OXY's ability to send gas to them. This interruption, restriction or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of OXY's custody transfer point and out of OXY's control to foresee, avoid or prevent from happening and did not stem from any of OXY's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced an emergency shutdown at their Lobo Plant due to continuing automation programming issues. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by their continuing automation issues at their Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas caused by operational issues from third-party downstream operators, it is employed as a critical safety measure. This process allows us to control facility overpressure, safely combust excess gas, and mitigate potential risks including equipment damage, leaks, or explosions, thereby ensuring the protection of our operations, equipment, and field personnel. OXY's operations and facility equipment were operating normally and at full capacity before the flaring event, which was attributed to continuing operational issues at Enlink's Lobo Plant. 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. In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced an emergency shutdown at their Lobo Plant due to continuing automation programming issues. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by their continuing automation issues at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring

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

OXY is not able to implement or take corrective actions to resolve the underlying cause or prevent future instances of third-party downstream operator's gas flow restriction, shut-in, or suspension within their offload sales gas pipeline, as these issues occur beyond OXY's custody transfer point and lie outside the company's control. Operational challenges at Enlink that affect its ability to manage gas flow volumes from OXY may consequently limit OXY's capacity to continue its sales gas transmission. In these instances, excess gas must be flared to ensure safety when sales gas line pressures reach hazardous levels, potentially impacting Oxy's operations, equipment, and field personnel. OXY is dedicated to minimizing emissions wherever feasible and strives to maintain effective communication with both downstream and midstream operators, when practical, to address such issues promptly and efficiently.

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General Information  
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Online Phone Directory  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 539764

**DEFINITIONS**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  539764
	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 539764

**QUESTIONS**

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	16696
	Action Number: 539764
	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#)	<i>Unavailable.</i>
Incident Name	<i>Unavailable.</i>
Incident Type	<b>Flare</b>
Incident Status	<i>Unavailable.</i>
Incident Facility	<b>[fAPP2126659618] MESA VERDE 18 CTB</b>

*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 additional guidance.*

Was this vent or flare caused by an emergency or malfunction	<b>Yes</b>
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	<b>No</b>
Is this considered a submission for a vent or flare event	<b>Yes, major venting and/or flaring of natural gas.</b>

*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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	<b>Yes</b>
Did this vent or flare result in the release of <b>ANY</b> 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	<b>No</b>
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	<b>No</b>

**Equipment Involved**

Primary Equipment Involved	<b>Other (Specify)</b>
Additional details for Equipment Involved. Please specify	<b>Emergency Flare &gt; Third Party Downstream Activity &gt; Enlink &gt; Lobo Station &gt; Automation Issues</b>

**Representative Compositional Analysis of Vented or Flared Natural Gas**

*Please provide the mole percent for the percentage questions in this group.*

Methane (CH4) percentage	<b>76</b>
Nitrogen (N2) percentage, if greater than one percent	<b>1</b>
Hydrogen Sulfide (H2S) PPM, rounded up	<b>0</b>
Carbon Dioxide (CO2) percentage, if greater than one percent	<b>2</b>
Oxygen (O2) percentage, if greater than one percent	<b>0</b>

*If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.*

Methane (CH4) percentage quality requirement	<i>Not answered.</i>
Nitrogen (N2) percentage quality requirement	<i>Not answered.</i>
Hydrogen Sulfide (H2S) PPM quality requirement	<i>Not answered.</i>
Carbon Dioxide (CO2) percentage quality requirement	<i>Not answered.</i>
Oxygen (O2) percentage quality requirement	<i>Not answered.</i>

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QUESTIONS, Page 2

Action 539764

**QUESTIONS (continued)**

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	Action Number:  539764
	Action Type:  [C-129] Amend Venting and/or Flaring (C-129A)

**QUESTIONS**

<b>Date(s) and Time(s)</b>	
Date vent or flare was discovered or commenced	12/15/2025
Time vent or flare was discovered or commenced	03:31 AM
Time vent or flare was terminated	07:21 AM
Cumulative hours during this event	4

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Other   Other (Specify)   Natural Gas Flared   Released: 571 Mcf   Recovered: 0 Mcf   Lost: 571 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.

<b>Venting or Flaring Resulting from Downstream Activity</b>	
Was this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[320009] ENLINK MIDSTREAM OPERATING, LP
Date notified of downstream activity requiring this vent or flare	
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

<b>Steps and Actions to Prevent Waste</b>	
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	The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted OXY's ability to send gas to them. This interruption, restriction or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of OXY's custody transfer point and out of OXY's control to foresee, avoid or prevent from happening and did not stem from any of OXY's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced an emergency shutdown at their Lobo Plant due to continuing automation programming issues. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by their continuing automation issues at their Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas caused by operational issues from third-party downstream operators, it is employed as a critical safety measure.

Steps taken to limit the duration and magnitude of vent or flare	<p>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. In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced an emergency shutdown at their Lobo Plant due to continuing automation programming issues. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by their continuing automation issues at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas caused by continuing operational issues from third-party downstream operators, it is employed as a critical safety measure. This process allows us to control facility overpressure, safely combust excess gas, and mitigate potential risks including equipment damage, leaks, or explosions, thereby ensuring the protection of our operations, equipment, and field personnel. OXY's operations and facility equipment were operating normally and at full capacity before the flaring event, which was attributed to continuing operational issues at Enlink's Lobo Plant. The occurrence of this event was beyond</p>
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ACKNOWLEDGMENTS

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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

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**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.	1/4/2026