



# Certificate of Analysis

Number: 6030-25091451-001A

**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:	09/29/2025
Station Name:	MESA VERDE CTB CHECK (FMP) -- Meter	Sampled By:	JE
Station Number:	15500C	Sample Of:	Gas
Station Location:	OP-L2109-BT001	Sample Type:	Spot
Sample Point:	Meter	Sample Conditions:	103 psig, @ 76 °F Ambient: 82 °F
Property ID:	FMP/LSE NMNM137096X	Sample Date:	09/23/2025 09:00
Formation:	NEW_MEXICO	Received Date:	09/24/2025
County:		Login Date:	09/24/2025
Well Name:	CTB	Effective Date:	09/01/2025
Type of Sample :	Spot-Cylinder	Flow Rate:	28980 MSCFD
Sampling Company:	:SPL - OXY	Sampling Method:	Purge/Fill
Instrument:	70142339 (Inficon GC-MicroFusion)	Heating Method:	Yes
Last Inst. Cal.:	09/22/2025 0:00 AM	Method:	GPA 2286
Analyzed:	09/26/2025 08:47:06 by CDW	Cylinder No:	9999-005115

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+
Nitrogen	1.4326	1.4228	1.8095		5.788
Carbon Dioxide	2.4798	2.4629	4.9208		
Methane	76.3993	75.8775	55.2620		
Ethane	10.9653	10.8904	14.8664	2.907	
Propane	5.2175	5.1819	10.3735	1.425	
Iso-Butane	0.7629	0.7577	1.9993	0.247	
n-Butane	1.8099	1.7975	4.7430	0.566	
Iso-Pentane	0.4434	0.4404	1.4425	0.161	
n-Pentane	0.4977	0.4943	1.6191	0.179	
Hexanes	0.3081	0.3060	1.1971	0.126	
Heptanes	0.2486	0.2469	1.1232	0.114	
Octanes	0.1028	0.1021	0.5295	0.052	
Nonanes Plus	0.0197	0.0196	0.1141	0.011	
	<u>100.6876</u>	<u>100.0000</u>	<u>100.0000</u>	<u>5.788</u>	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C9+</b>
Calculated Molecular Weight	22.03	128.26
Compressibility Factor	0.9962	
Relative Density Real Gas	0.7631	4.4283
<b>GPA 2172 Calculation:</b>		
<b>Calculated Gross BTU per ft³ @ 14.65 psia &amp; 60°F</b>		
Real Gas Dry BTU	1246.9	6974.4
Water Sat. Gas Base BTU	1225.6	6852.4
Ideal, Gross HV - Dry	1242.2	6948.0
Ideal, Gross HV - Wet	1220.4	6823.6

**Comments:** H2S Field Content: 0 %

*Mostaq Ahamed*

Petroleum Chemist

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#** fAPP2126659618

**Facility:** Mesa Verde 18 CTB

**Duration of Event:** 33 Minutes

**Start Time:** 04:00 PM

**Cause:** Emergency Flare > Mesa Verde West CGL > Equipment Malfunctions > Compression Issues

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

**Operator:** OXY USA, Inc.

**Flare Date:** 03/25/2026

**MCF Flared:** 230

**End Time:** 04:33 PM

### 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 situation, multiple compression equipment at the Mesa Verde West CGL unexpectedly failed at the same time due to a fuel skid issue. This led to a rapid increase in field pressure, which subsequently triggered a flaring event at the Mesa Verde 18 CTB. This event could not have been foreseen, avoided or planned as prior to this event, all the compression equipment at the Mesa Verde West CGL had been operating without any reported issues, alarms, or malfunctions until the sudden stoppage of operation occurred. Notwithstanding compressor engine design and operation, compressors are inherently dynamic and even the smallest alarms, whether false or true, can be sudden, reasonably unforeseeable and unexpected which can cause compression malfunctions to occur, thereby, triggering the unit's sensors to automatically shut down the unit to avoid catastrophic damage to the internal engine components. OXY's field and operations teams diligently oversee the facility and field pressure to swiftly identify any deviations from accepted standard operational parameters. Flaring is used as a critical safety measure solution for managing unexpected surplus gas caused by sudden and unexpected operational issues from third-party downstream operators. 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 high discharge pressure issues at Enlink's Loco station. OXY took all possible measures to manage and reduce emissions to the greatest extent. OXY's operations and facility equipment were operating normally before flaring was unexpectedly triggered..

### 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 Rico station due to compression equipment 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 compression equipment issues at their Rico station, 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 Rico station. As soon as flaring was triggered, Oxy production techs manually choked back all wells in the field to reduce injection and sales gas so that pressure would stay below the flare trigger setpoints of the facility to cease flaring. This flaring situation was beyond OXY's control, yet Oxy took all possible measures to reduce emissions effectively.

**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.

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 578243

**DEFINITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 578243
	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.

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**

QUESTIONS

Action 578243

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 578243
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	[fAPP2126659618] MESA VERDE 18 CTB

<b>Determination of Reporting Requirements</b>	
<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 <b>at least 50 MCF</b> of natural gas vented and/or flared during this event	Yes
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	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

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare > Mesa Verde West CGL > Equipment Malfunctions > Compression Issues

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	76
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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.

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**

QUESTIONS, Page 2

Action 578243

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 578243
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/25/2026
Time vent or flare was discovered or commenced	04:00 PM
Time vent or flare was terminated	04:33 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: Equipment Failure   Other (Specify)   Natural Gas Flared   Released: 230 Mcf   Recovered: 0 Mcf   Lost: 230 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)	<b>Yes, according to supplied volumes this appears to be a "gas only" report.</b>

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.	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.
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.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	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.



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**

ACKNOWLEDGMENTS

Action 578243

**ACKNOWLEDGMENTS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 578243
	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 <b>complete</b> 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.

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**

CONDITIONS

Action 578243

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 578243
	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.	4/22/2026