



# Certificate of Analysis

Number: 6030-25111960-001A

**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:	12/03/2025
Station Name:	PATTON MDP1 17 FEDERAL 174H GAS LIFT	Sampled By:	Chris Artiaga
Station Number:	170641	Sample Of:	Gas
Station Location:	OP-L2090-WELLS-WPI-0000010	Sample Type:	Spot
Sample Point:	Well	Sample Conditions:	1218 psig, @ 90 °F Ambient: 45 °F
Property ID:	FMP/LSE N/A	Sample Date:	11/24/2025 08:00
Formation:	NEW_MEXICO	Received Date:	11/25/2025
County:		Login Date:	11/25/2025
Well Name:	Gas Lift	Effective Date:	12/01/2025
Type of Sample :	Spot-Cylinder	Flow Rate:	400 MSCFD
Sampling Company :	SPL - OXY	Sampling Method:	Purge/Fill
Instrument:	6030_GC6 (Inficon GC-3000 Micro)	Heating Method:	N/A
Last Inst. Cal.:	12/01/2025 08:43:51	Method:	GPA-2261M
Analyzed:	12/01/2025 12:11:20 by CDW	Cylinder No:	1111-011735

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+ 5.954
Nitrogen	1.7193	1.7364	2.2272		GPM TOTAL C3+ 2.893
Methane	75.1446	75.8929	55.7455		GPM TOTAL iC5+ 0.603
Carbon Dioxide	1.4343	1.4486	2.9190		
Ethane	11.3541	11.4672	15.7875	3.061	
Propane	5.4276	5.4816	11.0673	1.507	
Iso-butane	0.7383	0.7457	1.9845	0.244	
n-Butane	1.6957	1.7126	4.5576	0.539	
Iso-pentane	0.3755	0.3792	1.2527	0.138	
n-Pentane	0.3982	0.4022	1.3286	0.146	
Hexanes Plus	0.7264	0.7336	3.1301	0.319	
	99.0140	100.0000	100.0000	5.954	

<b>Calculated Physical Properties</b>	<b>Total</b>	<b>C6+</b>
Relative Density Real Gas	0.7567	3.2176
Calculated Molecular Weight	21.84	93.19
Compressibility Factor	0.9962	

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft³ @ 14.65 psia & 60°F**

Real Gas Dry BTU	1257	5113
Water Sat. Gas Base BTU	1236	5024
Ideal, Gross HV - Dry at 14.65 psia	1252.5	5113.2
Ideal, Gross HV - Wet	1230.6	5023.7
Net BTU Dry Gas - real gas	1141	
Net BTU Wet Gas - real gas	1122	

**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 VENTING EVENT SPECIFIC JUSTIFICATIONS FORM

**Well Id#** 30-015-45077

**Operator:** OXY USA, Inc.

**Facility:** Patton MDP1 17 Federal #174H

**Vent Date:** 06/07/2026

**Duration of Event:** 13 Hours 15 Minutes

**MCF Vented:** 241

**Start Time:** 10:44 AM

**End Time:** 11:59 PM

**Cause:** Patton MDP1 17 Federal 174H > Flow Line A > Flow Line Rupture

**Method of Vented Gas Measurement:** Allocated Calculation

### 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 instance, Patton MDP1 17 Federal #174H had a flow line rupture on flow line A on a right a-way going towards the Patton 17 Fed 1 CTB. The flow line is an existing flex steel line which had a compromised integrity due to a defect in its bend, which in turn, caused the flow line to rub against another line and create a wear spot in the line. The flow line ultimately ruptured, leading to the release of fluid and gas into the atmosphere. The flow line did not reach its maximum allowable working pressure. It was rated for the pressures at which it was operated before the rupture and subsequent venting occurred. All the flow lines were functioning as designed and operating normally prior to the unexpected malfunction. This equipment malfunction was spotted during production tech's daily rounds of the area. This venting event is out of OXY's control to prevent it from happening yet OXY made every effort to control and minimize emissions as much as possible during this event by working safely and diligently.

### 2. Steps Taken to limit duration and magnitude of venting or flaring:

In this instance, Patton MDP1 17 Federal #174H had a flow line rupture on flow line A on a right a-way going towards the Patton 17 Fed 1 CTB. The flow line is an existing flex steel line which had a compromised integrity due to a defect in its bend, which in turn, caused the flow line to rub against another line and create a wear spot in the line. The flow line ultimately ruptured, leading to the release of fluid and gas into the atmosphere. The flow line did not reach its maximum allowable working pressure. It was rated for the pressures at which it was operated before the rupture and subsequent venting occurred. As soon as venting was recognized as occurring, the production tech contacted the field's Rover and Surface Lead to inform them of the issue. The venting was stopped once repairs were made and tested to ensure venting was no longer occurring. While venting is not OXY's preferred method of handling excess gas, it is a necessary step under these exceptional circumstances to maintain the integrity and continued safety of our operations. 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 has limited options for corrective actions to address the causes and potential recurrence of flowline equipment malfunctions. Faulty flow lines that have bends and curves in them are marked and are in the process of being removed and replaced. The production technicians on site are conducting routine inspections, monitoring the flow lines and the activity of the operational lines. Flowback personnel monitor the flow line pressure and flow line temperature. This flow line has a sacrificial valve on it and its cut back 50% to help alleviate high temperature. Facility equipment, regardless of type, can experience sudden and unforeseeable alarms, whether false or true, which may lead to unexpected malfunctions and subsequently trigger venting events. 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.

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 598159

**DEFINITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 598159
	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 598159

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 598159
	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	[30-015-45077] PATTON MDP1 17 FEDERAL #174H
Incident Facility	Unavailable.

<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	Yes
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	Flow Line - Production
Additional details for Equipment Involved. Please specify	Patton MDP1 17 Federal 174H > Flow Line A > Flow Line Rupture

<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	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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.

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QUESTIONS, Page 2

Action 598159

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 598159
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/07/2026
Time vent or flare was discovered or commenced	10:44 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	13

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure   Flow Line - Production   Natural Gas Vented   Released: 241 Mcf   Recovered: 0 Mcf   Lost: 241 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Allocated Vent Calculation
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.
Steps taken to limit the duration and magnitude of vent or flare	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.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy has limited options for corrective actions to address the causes and potential recurrence of flowline equipment malfunctions. Faulty flow lines that have bends and curves in them are marked and are in the process of being removed and replaced.



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ACKNOWLEDGMENTS

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	Action Number: 598159
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**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.

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CONDITIONS

Action 598159

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	Action Number: 598159
	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.	6/22/2026