



Certificate of Analysis

Number: 6030-25091587-001A

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:	10/03/2025
Station Name:	FALCON RIDGE CGL CHECK -- Meter	Sampled By:	Adrian Guzman
Station Number:	16920C	Sample Of:	Gas
Station Location:	OP-L3821-CS001	Sample Type:	Spot
Sample Point:	Meter	Sample Conditions:	1205 psig, @ 112 °F Ambient: 88 °F
Property ID:	FMP/LSE N/A	Sample Date:	09/18/2025 01:38
Formation:	NEW_MEXICO	Received Date:	09/25/2025
County:	Lea	Login Date:	09/25/2025
Well Name:	Comp Station	Effective Date:	10/01/2025
Type of Sample :	Spot-Cylinder	Flow Rate:	35663 MSCFD
Sampling Company:	SPL - OXY	Sampling Method:	Purge/Fill
Instrument:	70142339 (Inficon GC-MicroFusion)	Heating Method:	N/A
Last Inst. Cal.:	09/22/2025 0:00 AM	PO/Ref. No:	4502829953
Analyzed:	09/26/2025 09:25:12 by CDW	Method:	GPA 2286
		Cylinder No:	1111-006943

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	0.0000	0.4000	0.5905		GPM TOTAL C2+ 5.748
Nitrogen	1.7362	1.7154	2.0814		
Carbon Dioxide	5.0311	4.9707	9.4752		
Methane	73.8972	73.0101	50.7319		
Ethane	9.4588	9.3453	12.1713	2.495	
Propane	5.5157	5.4495	10.4082	1.499	
Iso-Butane	0.9632	0.9516	2.3956	0.311	
n-Butane	2.3174	2.2896	5.7640	0.721	
Iso-Pentane	0.6871	0.6789	2.1216	0.248	
n-Pentane	0.6023	0.5951	1.8597	0.215	
Hexanes	0.3507	0.3465	1.2933	0.142	
Heptanes	0.1966	0.1942	0.8428	0.089	
Octanes	0.0508	0.0502	0.2484	0.026	
Nonanes Plus	0.0029	0.0029	0.0161	0.002	
	100.8100	100.0000	100.0000	5.748	

Calculated Physical Properties	Total	C9+
Calculated Molecular Weight	23.09	128.26
Compressibility Factor	0.9960	
Relative Density Real Gas	0.8000	4.4283

GPA 2172 Calculation:

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

Real Gas Dry BTU	1230.7	6974.4
Water Sat. Gas Base BTU	1209.6	6852.4
Ideal, Gross HV - Dry	1225.8	6946.6
Ideal, Gross HV - Wet	1204.3	6822.2

Comments: H2S Field Content: 0.4 %

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# fAPP2333082512

Facility: Falcon Ridge CGL CS

Duration of Event: 3 Hours 23 Minutes

Start Time: 12:40 PM

Cause: Emergency Flare > Multiple Compressor Equipment Issues

Method of Flared Gas Measurement: Gas Flare Meter

Operator: USA, Inc.

Flare Date: 05/22/2026

MCF Flared: 60

End Time: 04:03 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 case, multiple unexpected compression equipment malfunctions occurred in close succession over a short period and were not the result of operator action or neglect. The resulting repeated increases in field pressure led to several brief intermittent flaring events. Based on the sudden and unanticipated nature of the malfunctions, and notwithstanding the use of good design, operation, and preventative maintenance practices, the event was beyond the OXY's sphere of influence to avoid or prevent from happening. 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 implemented as an essential safety protocol to manage excess gas resulting from operational disruptions. 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. OXY implemented all feasible measures to manage and minimize emissions as effectively as possible. This event transpired outside of OXY's control; however, the company has comprehensive strategies to effectively manage and minimize emissions to the fullest extent possible.

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

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 case, multiple unexpected compression equipment malfunctions occurred in close succession over a short period and were not the result of operator action or neglect. The resulting repeated increases in field pressure led to several brief intermittent flaring events. Based on the sudden and unanticipated nature of the malfunctions, and notwithstanding the use of good design, operation, and preventative maintenance practices, the event was beyond the OXY's sphere of influence to avoid or prevent from happening. 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 implemented as an essential safety protocol to manage excess gas resulting from operational disruptions. 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. OXY implemented all feasible measures to manage and minimize emissions as effectively as possible. This event transpired outside of OXY's control; however, the company has comprehensive strategies to effectively manage and minimize emissions to the fullest extent possible. .

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

OXY's corrective actions to address unexpected compressor unit shutdowns caused by engine malfunction faults are limited. Regardless of compressor engine design and operation, compressors exhibit dynamic behavior—whether accurate or false—can occur abruptly and may not always be foreseeable, potentially resulting in sudden and unexpected compression malfunctions. This may activate sensors or trigger signals that initiate an automatic shutdown of the unit to prevent severe or catastrophic internal engine damage. Additionally, USA Compression, the owner of these units, is responsible for preventative maintenance and is the only authorized party to implement corrective measures aimed at addressing recurring issues such as these, if possible. OXY and its personnel consistently communicate and work with USA Compression and its personnel to ensure that the compressor units are maintained in a good working manner and its preventative maintenance work is completed timely. OXY continually strives to maintain and operate all its equipment in a manner consistent with good practices for minimizing emissions.

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 592731

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 592731
	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 592731

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 592731
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites <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	[fAPP2333082512] Falcon Ridge CGL CS

Determination of Reporting Requirements <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 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 within 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 > Multiple Compressor Equipment Issues

Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	71
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	400
Carbon Dioxide (CO2) percentage, if greater than one percent	5
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 592731

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 592731
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/22/2026
Time vent or flare was discovered or commenced	12:40 PM
Time vent or flare was terminated	04:03 PM
Cumulative hours during this event	3

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: 60 Mcf Recovered: 0 Mcf Lost: 60 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.

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	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.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY's corrective actions to address unexpected compressor unit shutdowns caused by engine malfunction faults are limited. Regardless of compressor engine design and operation, compressors exhibit dynamic behavior—whether accurate or false—can occur abruptly and may not always be foreseeable, potentially resulting in sudden and unexpected compression malfunctions.

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ACKNOWLEDGMENTS

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	Action Number: 592731
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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 complete 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 592731

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 592731
	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.	6/6/2026