



Certificate of Analysis

Number: 6030-25030656-001A

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
Station Name: Lost Tank 5 CPF Production 2
Station Number: 118611
Station Location: OP-DELNE-BT011
Sample Point: Meter
Property ID: FMP/LSE N/A
Formation: NEW_MEXICO
County:
Well Name: CTB
Type of Sample: : Spot-Cylinder
Sampling Company: : OXY
Heat Trace Used: N/A
Sampling Method: Purge and Fill
Last Inst. Cal.: 03/31/2025 0:00 AM
Analyzed: 04/03/2025 11:24:27 by CDW

Report Date: 04/07/2025
Sampled By: Scot
Sample Of: Gas
Sample Type: Spot
Sample Conditions: 105.3 psig, @ 100.5 °F Ambient: 66 °F
Sample Date: 03/28/2025 08:27
Received Date: 03/31/2025
Login Date: 03/31/2025
Effective Date: 04/01/2025
Flow Rate: 18646 MSCFD
Sampling Method:
Heating Method:
Method: GPA-2261M
Cylinder No: 9999-005161
Instrument: 70142339 (Inficon GC-MicroFusion)

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0000	0.0003	0.0004	
Nitrogen	1.6592	1.6393	1.9223	
Carbon Dioxide	0.1423	0.1406	0.2590	
Methane	70.8415	69.9905	47.0021	
Ethane	14.1849	14.0145	17.6402	3.765
Propane	7.7047	7.6122	14.0512	2.107
Iso-Butane	1.0015	0.9895	2.4075	0.325
n-Butane	2.7979	2.7643	6.7257	0.875
Iso-Pentane	0.6647	0.6567	1.9834	0.241
n-Pentane	0.8089	0.7992	2.4137	0.291
Hexanes	0.6459	0.6381	2.3019	0.264
Heptanes	0.5758	0.5689	2.3863	0.264
Octanes	0.1583	0.1564	0.7479	0.080
Nonanes Plus	0.0298	0.0295	0.1584	0.017
	101.2154	100.0000	100.0000	8.229

Calculated Physical Properties

Calculated Molecular Weight	23.89	C9+
Compressibility Factor	0.9952	
Relative Density Real Gas	0.8285	4.4283

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

Real Gas Dry BTU	1410.6	7012.5
Water Sat. Gas Base BTU	1386.7	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1403.8	6978.9
Ideal, Gross HV - Wet	1379.4	6854.3

Comments: H2S Field Content: 2.5 ppm

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#** fAPP2410600153**Operator:** OXY USA, Inc.**Facility:** Lost Tank 5 CPF**Flare Date:** 06/03/2025**Duration of Event:** 1 Hour 15 Minutes**MCF Flared:** 440**Start Time:** 09:00 AM**End Time:** 10:15 AM**Cause:** Emergency Flare > Third Party Compressor Vendor > Monarch Compression > Compression Equipment > Planned Maintenance Work > Lost Tank 5 CGL**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 good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this instance, Monarch Compression conducted a preventive maintenance (PM) procedure on a compressor unit at Lost Tank 5 CGL, resulting in an increase in field pressure and subsequent flaring event at Lost Tank 5 CPF. The execution of the maintenance tasks required the complete depressurization of the compressor unit at the Lost Tank 5 CGL. The compressor unit couldn't be fully equalized because it was only allowed through the suction line, which lowers pressure only to 70-80 lbs. The compressor unit had to be blown down to 0 pressure and took some time to do. Once the compressor unit was completely blown down, the compression mechanics were able to perform their preventative maintenance work at the Lost Tank 5 CGL. 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. 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 a 98% combustion efficiency to lessen emissions as much as possible. In this instance, Monarch Compression conducted a preventive maintenance (PM) procedure on a compressor unit at Lost Tank 5 CGL, resulting in an increase in field pressure and subsequent flaring event at Lost Tank 5 CPF. The execution of the maintenance tasks required the complete depressurization of the compressor unit at the Lost Tank 5 CGL. The compressor unit couldn't be fully equalized because it was only allowed through the suction line, which lowers pressure only to 70-80 lbs. The compressor unit had to be blown down to 0 pressure and took some time to do. Once the compressor unit was completely blown down, the compression mechanics were able to perform their preventative maintenance work at the Lost Tank 5 CGL. 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. The occurrence of this event was beyond OXY's control. As soon as flaring was triggered, Oxy personnel began choking back high GOR wells and opened up storage wells. 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 cause and potential recurrence of flaring events caused by third-party compressor vendor's scheduled preventative maintenance work, which can impact other facility operations. 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 by having a strong and positive equipment preventative maintenance program in place. In circumstances such as these, Oxy must evaluate the circumstances leading to a flaring event and promptly implement measures to reduce field pressure, ensuring it remains below the facility's flare trigger setpoints to halt flaring.

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 477205

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 477205
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 477205

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 477205
	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	[fAPP2410600153] Lost Tank 5 Tankless CPF

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 > Third Party Compressor Vendor > Monarch Compression > Compression Equipment > Planned Maintenance Work > Lost Tank 5 CGL

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	70
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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 477205

QUESTIONS (continued)

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	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/03/2025
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	10:15 AM
Cumulative hours during this event	1

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: 440 Mcf Recovered: 0 Mcf Lost: 440 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	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	<p>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, Monarch Compression conducted a preventive maintenance (PM) procedure on a compressor unit at Lost Tank 5 CGL, resulting in an increase in field pressure and subsequent flaring event at Lost Tank 5 CPF. The execution of the maintenance tasks required the complete depressurization of the compressor unit at the Lost Tank 5 CGL. The compressor unit couldn't be fully equalized because it was only allowed through the suction line, which lowers pressure only to 70-80 lbs. The compressor unit had to be blown down to 0 pressure and took some time to do. Once the compressor unit was completely blown down, the compression mechanics were able to perform their preventative maintenance work at the Lost Tank 5 CGL. 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. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.</p> <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</p>

Steps taken to limit the duration and magnitude of vent or flare	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 a 98% combustion efficiency to lessen emissions as much as possible. In this instance, Monarch Compression conducted a preventive maintenance (PM) procedure on a compressor unit at Lost Tank 5 CGL, resulting in an increase in field pressure and subsequent flaring event at Lost Tank 5 CPF. The execution of the maintenance tasks required the complete depressurization of the compressor unit at the Lost Tank 5 CGL. The compressor unit couldn't be fully equalized because it was only allowed through the suction line, which lowers pressure only to 70-80 lbs. The compressor unit had to be blown down to 0 pressure and took some time to do. Once the compressor unit was completely blown down, the compression mechanics were able to perform their preventative maintenance work at the Lost Tank 5 CGL. 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. The occurrence of this event was beyond OXY's control. As soon as flaring was triggered, Oxy personnel began choking back high GOR wells and opened up storage wells. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy has limited options for corrective actions to address the cause and potential recurrence of flaring events caused by third-party compressor vendor's scheduled preventative maintenance work, which can impact other facility operations. 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 by having a strong and positive equipment preventative maintenance program in place. In circumstances such as these, Oxy must evaluate the circumstances leading to a flaring event and promptly implement measures to reduce field pressure, ensuring it remains below the facility's flare trigger setpoints to halt flaring.

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ACKNOWLEDGMENTS

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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 477205

CONDITIONS

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	Action Number: 477205
	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.	6/19/2025