



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

Mostafa Ahmmed

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:** 06/09/2025**Duration of Event:** 1 Hour 4 Minutes**MCF Flared:** 2158**Start Time:** 10:55 PM**End Time:** 11:59 PM**Cause:** Emergency Flare > Severe Weather Condition > Thunderstorms & Lightning > Lost Tank 5 CGL > Weather Induced Power Outage > Equipment Malfunctions**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 case, severe thunderstorms and lightning affected the Lost Tank area, causing equipment issues at the Lost Tank 5 CGL due to a weather-induced power outage. As a result of the severe weather conditions, the electric compression equipment at Lost Tank 5 CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered flaring at the Lost Tank 5 CPF. Once the thunderstorm and lightning subsided, and power was restored to the area and the facility, OXY production technicians conducted an initial inspection of the CGL facility. OXY production technicians discovered that they were unable to restart the electric compression equipment, and it was subsequently determined that some fuses in the Lost Tank 5 CGL RIO cabinet had shorted out due to a small amount of rainwater leaking into the cabinet from a piece of conduit and therefore, communication to the electric compression equipment was not occurring for a restart of the equipment. Recognizing that the electric compression equipment could not be restarted, the OXY production technicians began shutting in all wells to cease flaring at the Lost Tank 5 CPF and immediately requested that a Monarch compression mechanic be dispatched to assist with restarting the equipment. OXY production technicians also requested the dispatch of an automation technician to repair the fuses in the RIO communication cabinet. 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 case, severe thunderstorms and lightning affected the Lost Tank area, causing equipment issues at the Lost Tank 5 CGL due to a weather-induced power outage. As a result of the severe weather conditions, the electric compression equipment at Lost Tank 5 CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered flaring at the Lost Tank 5 CPF. Once the thunderstorm and lightning subsided, and power was restored to the area and the facility, OXY production technicians conducted an initial inspection of the CGL facility. OXY production

technicians discovered that they were unable to restart the electric compression equipment, and it was subsequently determined that some fuses in the Lost Tank 5 CGL RIO cabinet had shorted out due to a small amount of rainwater leaking into the cabinet from a piece of conduit and therefore, communication to the electric compression equipment was not occurring for a restart of the equipment. Recognizing that the electric compression equipment could not be restarted, the OXY production technicians began shutting in all wells to cease flaring at the Lost Tank 5 CPF and immediately requested that a Monarch compression mechanic be dispatched to assist with restarting the equipment. OXY production technicians also requested the dispatch of an automation technician to repair the fuses in the RIO communication cabinet. Although weather-induced flaring events are beyond OXY's control, OXY field personnel prepared for the anticipated severe thunderstorm by ensuring that all equipment was securely fastened and functioning normally as expected prior to the weather-induced power outage affecting the area and the facility itself. In anticipation of the severe weather potentially affecting the area, Oxy requested a monarch compression mechanic be in the area to assist with compression issues if anything occurred as a way to reduce equipment downtime. OXY's automation group was also made aware of the impending thunderstorm and was able to have personnel available to assist if necessary. 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. 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 is limited in its corrective actions to eliminate the cause and recurrence of weather induced power outages during severe and intense weather circumstances as this is out of Oxy's control to avoid or prevent from reoccurring. The only action available to Oxy and its personnel in severe weather circumstances is to be pro-active and take precautionary measures prior to known severe weather conditions by securing equipment, and focusing on overall safety, communication and operational adjustments, if possible, during and after this event. It has been brought to our attention by the power provider's power line technicians that the power company is looking into ways to help reduce power loss issues during severe weather conditions. 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.

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 478356

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 478356
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 478356

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 478356
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2410600153] Lost Tank 5 Tankless CPF
<i>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.</i>	

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, major 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 > Severe Weather Condition > Thunderstorms & Lightning > Lost Tank 5 CGL > Weather Induced Power Outage > Equipment Malfunctions

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 478356

QUESTIONS (continued)

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

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/09/2025
Time vent or flare was discovered or commenced	10:55 PM
Time vent or flare was terminated	11:59 PM
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: 2,158 Mcf Recovered: 0 Mcf Lost: 2,158 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	
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 case, severe thunderstorms and lightning affected the Lost Tank area, causing equipment issues at the Lost Tank 5 CGL due to a weather-induced power outage. As a result of the severe weather conditions, the electric compression equipment at Lost Tank 5 CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered flaring at the Lost Tank 5 CPF. Once the thunderstorm and lightning subsided, and power was restored to the area and the facility, OXY production technicians conducted an initial inspection of the CGL facility. OXY production technicians discovered that they were unable to restart the electric compression equipment, and it was subsequently determined that some fuses in the Lost Tank 5 CGL RIO cabinet had shorted out due to a small amount of rainwater leaking into the cabinet from a piece of conduit and therefore, communication to the electric compression equipment was not occurring for a restart of the equipment. Recognizing that the electric compression equipment could not be restarted, the OXY production technicians began shutting in all wells to cease flaring at the Lost Tank 5 CPF and immediately requested that a Monarch compression mechanic be dispatched to assist with restarting the equipment. OXY production technicians also requested the dispatch of an automation technician to repair the</p>

Steps taken to limit the duration and magnitude of vent or flare	<p>fuses in the RIO communication cabinet.</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 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 case, severe thunderstorms and lightning affected the Lost Tank area, causing equipment issues at the Lost Tank 5 CGL due to a weather-induced power outage. As a result of the severe weather conditions, the electric compression equipment at Lost Tank 5 CGL automatically shut down when the area, including the facility, lost power. This event subsequently triggered flaring at the Lost Tank 5 CPF. Once the thunderstorm and lightning subsided, and power was restored to the area and the facility, OXY production technicians conducted an initial inspection of the CGL facility. OXY production technicians discovered that they were unable to restart the electric compression equipment, and it was subsequently determined that some fuses in the Lost Tank 5 CGL RIO cabinet had shorted out due to a small amount of rainwater leaking into the cabinet from a piece of conduit and therefore, communication to the electric compression equipment was not occurring for a restart of the equipment. Recognizing that the electric compression equipment could not be restarted, the OXY production technicians began shutting in all wells to cease flaring at the Lost Tank 5 CPF and immediately requested that a Monarch compression mechanic be dispatched to assist with restarting the equipment. OXY production technicians also requested the dispatch of an automation technician to repair the fuses in the RIO communication cabinet.</p>
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	<p>Oxy is limited in its corrective actions to eliminate the cause and recurrence of weather induced power outages during severe and intense weather circumstances as this is out of Oxy's control to avoid or prevent from reoccurring. The only action available to Oxy and its personnel in severe weather circumstances is to be pro-active and take precautionary measures prior to known severe weather conditions by securing equipment, and focusing on overall safety, communication and operational adjustments, if possible, during and after this event. It has been brought to our attention by the power provider's power line technicians that the power company is looking into ways to help reduce power loss issues during severe weather conditions. 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.</p>

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ACKNOWLEDGMENTS

Action 478356

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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

Action 478356

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Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 478356
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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.	6/24/2025