



Certificate of Analysis

Number: 6030-25040338-001A

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 25 CPF Test 3
Station Number: 119290
Station Location: OP-DELNE-BT012
Sample Point: Meter
Property ID: FMP/LSE N/A
Formation: NEW_MEXICO
County: Lea, NM
Well Name: CTB
Type of Sample: : Spot-Cylinder
Sampling Company: : OXY
Heat Trace Used: N/A
Sampling Method: Purge and Fill
Last Inst. Cal.: 04/21/2025 0:00 AM
Analyzed: 04/22/2025 14:16:24 by CDW

Report Date: 04/23/2025
Sampled By: Scot
Sample Of: Gas
Sample Type: Spot
Sample Conditions: 106.3 psig, @ 93.5 °F Ambient: 75 °F
Sample Date: 04/14/2025 01:07
Received Date: 04/15/2025
Login Date: 04/15/2025
Effective Date: 04/01/2025
Flow Rate: 1210 MSCFD
Sampling Method:
Heating Method:
Method: GPA-2261M
Cylinder No: 9999-005152
Instrument: 70104251 (Inficon GC-MicroFusion)

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	0.0000	0.0000	0.0000	
Nitrogen	1.6092	1.5925	1.9627	
Carbon Dioxide	0.5031	0.4979	0.9641	
Methane	73.1352	72.3750	51.0832	
Ethane	13.7707	13.6275	18.0283	3.659
Propane	6.9655	6.8931	13.3730	1.907
Iso-Butane	0.9481	0.9382	2.3991	0.308
n-Butane	2.3866	2.3618	6.0395	0.748
Iso-Pentane	0.4966	0.4914	1.5599	0.180
n-Pentane	0.5594	0.5536	1.7573	0.201
Hexanes	0.3286	0.3252	1.2330	0.134
Heptanes	0.2270	0.2246	0.9902	0.104
Octanes	0.1031	0.1020	0.5126	0.052
Nonanes Plus	0.0174	0.0172	0.0971	0.010
	101.0505	100.0000	100.0000	7.303

Calculated Physical Properties

Calculated Molecular Weight	22.73	C9+	128.26
Compressibility Factor	0.9958		
Relative Density Real Gas	0.7878		4.4283

GPA 2172 Calculation:

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

Real Gas Dry BTU	1339.1	7012.5
Water Sat. Gas Base BTU	1316.4	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1333.5	6982.8
Ideal, Gross HV - Wet	1310.3	6858.3

Comments: H2S Field Content: 0 %

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#** fAPP2618672105**Facility:** Lost Tank 25 CPF**Duration of Event:** 13 Minutes**Start Time:** 07:43 PM**Operator:** OXY USA, Inc.**Flare Date:** 07/05/2026**MCF Flared:** 106**End Time:** 07:56 PM**Cause:** Emergency Flare >Third Party Energy Power Provider > Xcel Energy > Equipment Issues > Power Outage**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. Xcel Energy, a third-party power provider, experienced equipment issues that caused power transmission failure and outage affecting the Lost Tank 25 CGL. The outage resulted in an emergency shutdown of the Lost Tank 25 CGL and Lost Tank 25 CPF. Due to the compression equipment automatically shutting down, field pressure increased significantly, triggering a flaring event at the Lost Tank 25 CPF. The incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Before the outage, both the Lost Tank 25 CGL and Lost Tank 25 CPF were operating normally, and field pressure was within safe and acceptable limits. OXY facilities require continuous power to operate; outages can cause pumps, valves, compressors, and other equipment to stop functioning, potentially creating overpressure in critical equipment and field lines and increasing the risk of rupture or explosion. Flaring is implemented as an essential safety protocol to manage excess gas resulting from operational disruptions caused by unexpected power outages. This critical safety 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. This event transpired outside of OXY's control; however, OXY 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:

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. Internal OXY procedures ensure that upon unexpected emergency facility shutdowns, production technicians are instructed to assess the issue as soon as possible in order to take prompt corrective action and minimize emissions. OXY production technicians must assess whether an emergency facility shutdown is due to damage and immediate repair is needed, or whether there are other reasons for its cause. Xcel Energy, a third-party power provider, experienced equipment issues that caused power transmission failure and outage affecting the Lost Tank 25 CGL. The outage resulted in an emergency shutdown of the Lost Tank 25 CGL and Lost Tank 25 CPF. Due to the compression equipment automatically shutting down, field pressure increased significantly, triggering a flaring event at the Lost Tank 25 CPF. The incident was unforeseen, unavoidable, and occurred without prior notice or warning from Xcel Energy. Before the outage, both the Lost Tank 25 CGL and Lost Tank 25 CPF were operating normally, and field pressure was within safe and acceptable limits. OXY facilities require continuous power to operate; outages can cause pumps, valves, compressors, and other equipment to stop functioning, potentially creating overpressure in critical equipment and field lines and increasing the risk of rupture or explosion. All OXY's facilities require consistent power to function; power outages can cause equipment such as pumps, valves, and

compressors to cease functioning, potentially leading to overpressure in critical equipment and field pressure, which poses risks of rupture or explosions. Flaring is implemented as an essential safety protocol to manage excess gas resulting from operational disruptions caused by unexpected power outages. This critical safety 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. This event transpired outside of OXY's control; however, OXY 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 is unable to implement corrective measures to address the root cause or prevent future third-party power outages because the issue is beyond OXY's custody transfer point and outside its control. Equipment malfunctions or unexpected transmission outages by third-party power providers, particularly when they occur without prior notice, can affect OXY's facility operations. In these circumstances, flaring excess gas is required as a critical safety protocol process to maintain overall operational safety, as power outages can result in pumps, valves, and operational equipment and processes to cease functioning, which could lead to overpressure in certain equipment and field lines, increasing the risk of rupture or explosion. OXY undertakes measures to reduce emissions where possible and works to restore operational equipment to normal function and proficiency in a safe and efficient manner.

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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 606320

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 606320
	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 606320

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 606320
	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	[fAPP2618672105] Lost Tank 25 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 Energy Power Provider > Xcel Energy > Equipment Issues > Power Outage

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	72
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	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 606320

QUESTIONS (continued)

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	Action Number: 606320
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/05/2026
Time vent or flare was discovered or commenced	07:43 PM
Time vent or flare was terminated	07:56 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Power Failure Other (Specify) Natural Gas Flared Released: 106 Mcf Recovered: 0 Mcf Lost: 106 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	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	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.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY is unable to implement corrective measures to address the root cause or prevent future third-party power outages because the issue is beyond OXY's custody transfer point and outside its control.

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ACKNOWLEDGMENTS

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	Action Number: 606320
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.
☒	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 606320

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	Action Number: 606320
	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.	7/20/2026