



Certificate of Analysis

Number: 6030-25101074-001A

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:	10/22/2025
Station Name:	LOST TANK 18 CPF PHASE 3 PROD 1B -- M	Sampled By:	Scot
Station Number:	119673	Sample Of:	Gas
Station Location:	OP-DELNE-BT010	Sample Type:	Spot
Sample Point:	METER	Sample Conditions:	126.4 psig, @ 93 °F Ambient: 75 °F
Property ID:	FMP/LSE N/A	Sample Date:	10/15/2025 11:24
Formation:	NEW_MEXICO	Received Date:	10/15/2025
County:		Login Date:	10/15/2025
Well Name:	CTB	Effective Date:	10/01/2025
Type of Sample :	Spot-Cylinder	Flow Rate:	4141 MSCFD
Sampling Company:	SPL - OXY	Sampling Method:	Purge/Fill
Instrument:	70104251 (Inficon GC-MicroFusion)	Heating Method:	No
Last Inst. Cal.:	10/20/2025 0:00 AM	Method:	GPA 2286
Analyzed:	10/21/2025 11:54:14 by CDW	Cylinder No:	9999-005101

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia	
Hydrogen Sulfide	0.0000	0.0000	0.0000		GPM TOTAL C2+
Nitrogen	2.2164	2.2143	2.7795		6.378
Carbon Dioxide	1.7827	1.7810	3.5121		
Methane	73.7789	73.7101	52.9859		
Ethane	12.2647	12.2532	16.5093	3.289	
Propane	5.9497	5.9441	11.7447	1.644	
Iso-Butane	0.7132	0.7125	1.8556	0.234	
n-Butane	1.8453	1.8436	4.8014	0.583	
Iso-Pentane	0.4198	0.4194	1.3559	0.154	
n-Pentane	0.4728	0.4724	1.5272	0.172	
Hexanes	0.2939	0.2936	1.1337	0.121	
Heptanes	0.1574	0.1573	0.7063	0.073	
Octanes	0.0834	0.0833	0.4264	0.043	
Nonanes Plus	0.1153	0.1152	0.6620	0.065	
	100.0935	100.0000	100.0000	6.378	

Calculated Physical Properties

Calculated Molecular Weight	Total	C9+
Compressibility Factor	22.32	128.26
Relative Density Real Gas	0.9961	
	0.7733	4.4283

GPA 2172 Calculation:

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

Real Gas Dry BTU	1273.7	7012.5
Water Sat. Gas Base BTU	1252.1	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1268.7	6985.0
Ideal, Gross HV - Wet	1246.6	6860.6

Comments: Calculations completed utilizing GPA-2145 at a temperature base of 60°F
H2S Field Content: 0 %

Mostafa Ahmmed

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#** fAPP2226965761**Facility:** Lost Tank 18 CPF**Duration of Event:** 39 Minutes**Start Time:** 06:30 AM**Cause:** Emergency Flare > Weather Related > Third Party Energy Power Provider > Xcel Energy > Power Outage**Method of Flared Gas Measurement:** Gas Flare Meter**Operator:** OXY USA, Inc.**Flare Date:** 06/14/2026**MCF Flared:** 1030**End Time:** 07:10 AM

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 OXY'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 effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this case, Xcel Energy, the third-party power provider, experienced a transmission power outage during a severe thunderstorm affecting the Lost Tank area. The widespread third-party power loss across nearly the entire Lost Tank area caused field pressure to increase and triggered flaring to occur. The third-party power provider outage was unanticipated and unavoidable, and occurred without prior notice or warning from Xcel Energy. Before the sudden and unexpected power outage, Lost Tank 18 CPF was operating normally, with no known issues and field pressures maintained within safe and acceptable operating parameters. 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 sudden and unexpected operational disruptions. 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. OXY implemented all feasible measures to manage and minimize emissions as effectively as possible. 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. The flare at this facility has 98% combustion efficiency to lessen emissions as much as possible. In this case, Xcel Energy, the third-party power provider, experienced a transmission power outage during a severe thunderstorm affecting the Lost Tank area. The widespread third-party power loss across nearly the entire Lost Tank area caused field pressure to increase and triggered flaring to occur. The third-party power provider outage was unanticipated and unavoidable, and occurred without prior notice or warning from Xcel Energy. Before the sudden and unexpected power outage, Lost Tank 18 CPF was operating normally, with no known issues and field pressures maintained within safe and acceptable operating parameters. To mitigate the risks associated with sudden increases in field pressure and ensure operational safety, OXY used controlled flaring to safely combust excess gas and prevent potential hazards, including equipment damage, leaks, or explosions. Once flaring was triggered by the third-party power provider, OXY control room and field personnel coordinated to remotely and manually shut in several wells to cease flaring. OXY's field and operations teams diligently oversee the facility and field pressure to swiftly identify any deviations from accepted standard operational parameters. 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 cannot 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.

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 601378

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 601378
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 601378

QUESTIONS

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	Action Number: 601378
	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	[fAPP2226965761] Lost Tank 18 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 > Weather Related > Third Party Energy Power Provider > Xcel Energy > 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	74
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	2
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 601378

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/14/2026
Time vent or flare was discovered or commenced	06:30 AM
Time vent or flare was terminated	07:10 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: Power Failure Other (Specify) Natural Gas Flared Released: 1,030 Mcf Recovered: 0 Mcf Lost: 1,030 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	This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond OXY'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 cannot 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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ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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

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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.	7/1/2026