



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+	128.26
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

Mostaq 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**Facility:** Lost Tank 5 CPF**Duration of Event:** 20 Minutes**Start Time:** 11:40 AM**Cause:** Lost Tank 5 CGL > Compression Equipment > Suction Valves**Method of Flared Gas Measurement:** Gas Flare Meter**Operator:** OXY USA, Inc.**Flare Date:** 09/14/2026**MCF Flared:** 960**End Time:** 12:00 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, Lost Tank 5 CGL compressor units 1-8 experienced suction valve issues following the installation of new port valves. The suction header issue contributed to sudden, simultaneous, and unexpected compression equipment malfunctions at the Lost Tank 5 CGL, resulting in a brief flaring event at the Lost Tank 5 CPF when all compressors shut down. This event is beyond OXY's control as 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 caused by third-party downstream operators. 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. 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:

This facility is unmanned, except when OXY production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. 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. Internal OXY procedures ensure that upon unexpected emergency compressor equipment shutdowns, production technicians are instructed to assess the issue as soon as possible in order to take prompt corrective action to resolve the issue. OXY production technicians must assess whether a compressor unit shutdown is due to damage and immediate repair is needed, or whether there are other reasons for its cause. In this case, Lost Tank 5 CGL compressor units 1-8 experienced suction valve issues following the installation of new port valves. The suction header issue contributed to sudden, simultaneous, and unexpected compression equipment malfunctions at the Lost Tank 5 CGL, resulting in a brief flaring event at the Lost Tank 5 CPF when all compressors shut down. The Lost Tank 5 CPF facility flare was activated briefly, with wells being shut in as necessary to manage pressure until flaring ceased. 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 caused by third-party downstream operators. 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. 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'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. The only actions OXY and its personnel can take is to 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 and reducing the number of emission events.

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 625321

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 625321
	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 625321

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 625321
	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 > Lost Tank 5 CGL > Compression Equipment > Suction Valves

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 625321

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 625321
	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	09/14/2026
Time vent or flare was discovered or commenced	11:40 AM
Time vent or flare was terminated	12:00 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: Equipment Failure Other (Specify) Natural Gas Flared Released: 960 Mcf Recovered: 0 Mcf Lost: 960 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 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	This facility is unmanned, except when OXY production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes.
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.

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ACKNOWLEDGMENTS

Action 625321

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	Action Number: 625321
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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

Action 625321

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	Action Number: 625321
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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.	9/16/2026