Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	SALT FLAT CTB TRAIN 1 CHECK (FMP) 12-24-2025
Technician	AGUILAR, JARRED
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	12-24-2025
Meter Number	18721C
Air temperature	47
Flow Rate (MCF/Day)	26423
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Lease name	
System	
FLOC	
Sample Sub Type	ctb
Sample Name Type	meter
Vendor	
Cylinder #	
Sampled by	
Sample date	
Analyzed date	
Method Name	C9 (2)
Injection Date	2025-12-24 08:57:20
Report Date	2025-12-24 09:06:18
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2 (1) (1).cfgx
Source Data File	3e12120f-aa4b-4f75-9356-5cf40a6776f4
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	38255.6	2.1652	0.00005660	2.1669	0.0	0.02096	0.239	
Methane	1013007.3	73.3976	0.00007246	73.4559	743.6	0.40687	12.503	
CO2	21475.6	1.0127	0.00004715	1.0135	0.0	0.01540	0.174	
Ethane	242714.0	11.1008	0.00004574	11.1096	197.1	0.11534	2.983	
H2S	0.0	0.0003	0.00000000	0.0003	0.0	0.00000	0.000	
Propane	178354.9	5.7831	0.00003242	5.7877	146.0	0.08812	1.601	
iso-butane	108912.8	1.0637	0.00000977	1.0645	34.7	0.02136	0.350	
n-Butane	314983.7	3.0473	0.00000967	3.0497	99.7	0.06120	0.965	
iso-pentane	86612.7	0.7470	0.00000862	0.7476	30.0	0.01862	0.275	
n-Pentane	96992.8	0.8039	0.00000829	0.8046	32.3	0.02004	0.293	
hexanes	54549.0	0.4774	0.00000875	0.4778	22.8	0.01422	0.197	
heptanes	43537.0	0.2316	0.00000532	0.2318	12.8	0.00802	0.107	
octanes	18777.0	0.0851	0.00000453	0.0852	5.3	0.00336	0.044	
nonanes+	2240.0	0.0049	0.00000219	0.0049	0.3	0.00022	0.003	
Total:		99.9205		100.0000	1324.6	0.79374	19.734	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.9205		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	76.0		
Flowing Pressure (psia)	119.0		

Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1324.6	1301.6
Gross Heating Value (BTU / Real cu.ft.)	1330.3	1307.7
Relative Density (G), Real	0.7968	0.7941

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.9205	97.0000	103.0000	Pass

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility Id# fAPP2126563666
Facility: Salt Flat CTB
Duration of Event: 40 Minutes
Start Time: 05:30 PM
Cause: Emergency Flare > Compression Malfunction > Bad Valves
Method of Flared Gas Measurement: Gas Flare Meter

Operator: OXY USA, Inc.
Flare Date: 05/30/2026
MCF Flared: 50
End Time: 06:10 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, sudden and concurrent compression equipment malfunctions at the Salt Flat CTB, caused by bad valves, resulting in elevated field pressure, which then triggered a flaring event. 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. Compressor engine valves are subject to continuous high-speed stress and, despite routine preventative maintenance, may unexpectedly warp, crack, or fail over time with repeated operating cycles. 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. 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. OXY's operations and facility equipment were operating normally and at full capacity. OXY implemented all feasible measures to manage and minimize emissions as effectively as possible. This event transpired outside of OXY's control; however, the company 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, sudden and concurrent compression equipment malfunctions at the Salt Flat CTB, caused by bad valves, resulted in elevated field pressure which then triggered a flaring event. 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. Compressor engine valves are subject to continuous high-speed stress and, despite routine preventative maintenance, may unexpectedly warp, crack, or fail over time with repeated operating cycles. To mitigate the risks associated with sudden increases in field pressure and to ensure the safety of our operations,

OXY had to resort to controlled flaring. This process allows OXY to safely burn off the excess gas, thereby preventing potential hazards such as equipment damage, leaks, or even explosions. Once flaring began, OXY control room and field personnel coordinated to remotely and manually shut in several wells to stop the flaring and requested a compressor mechanic to troubleshoot the compression malfunctions, which were later attributed to bad valves. Upon arrival, the compressor mechanic resolved the issues and replaced the necessary parts to return the compression equipment to normal operation. OXY's field and operations teams diligently oversee the facility and field pressure to swiftly identify any deviations from accepted standard operational parameters. OXY's Salt Flat CTB operated normally prior to the event occurring this day. This event is out of OXY's control yet OXY made every effort to control and minimize emissions as much as possible by working safely and diligently.

3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:

OXY's ability to implement corrective actions that fully eliminate this type of cause and prevent recurrence of flaring is limited because, notwithstanding standard field equipment design and operation, mechanical or technical issues may arise suddenly, reasonably unforeseeably, and unexpectedly, resulting in equipment malfunctions without warning or advance notice. OXY remains committed to maintaining and operating its facility equipment in accordance with good practices to minimize emissions and reduce the frequency of emission events. OXY also maintains a robust preventative maintenance program for facility equipment.

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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 595321
	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 595321

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 595321
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	*Unavailable.*
Incident Facility	**[fAPP2126563666] SALT FLAT CTB**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
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.**
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.	
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 withing 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 > Compression Malfunction > Bad Valves

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (C02) percentage, if greater than one percent	1
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	*Not answered.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 595321
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/30/2026
Time vent or flare was discovered or commenced	05:30 PM
Time vent or flare was terminated	06:10 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: Equipment Failure | Valve | Natural Gas Flared | Released: 50 Mcf | Recovered: 0 Mcf | Lost: 50 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. The flare at this facility has 98% combustion efficiency to lessen emissions as much as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY's ability to implement corrective actions that fully eliminate this type of cause and prevent recurrence of flaring is limited because, notwithstanding standard field equipment design and operation, mechanical or technical issues may arise suddenly, reasonably unforeseeably, and unexpectedly, resulting in equipment malfunctions without warning or advance notice. OXY remains committed to maintaining and operating its facility equipment in accordance with good practices to minimize emissions and reduce the frequency of

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ACKNOWLEDGMENTS

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	Action Number: 595321
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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

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	Action Number: 595321
	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.	6/14/2026