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

VENTING EVENT SPECIFIC JUSTIFICATIONS FORM

API # 30-025-50950

Operator: OXY USA, Inc.

Facility: Stack Cats 25-36 Federal Com 32H

Vent Date: 04/16/2026

Duration of Event: 11 Hours 16 Minutes

MCF Vented: 96

Start Time: 12:43 PM

End Time: 11:59 PM

Cause: Intermittent Venting > Equipment Malfunction > 1st Stage Regulator > Bad Diaphragm

Method of Vented Gas Measurement: Allocated Vent Calculation:

1. Reason why this event was beyond Operator's control:

This emissions event resulted from an unanticipated and unavoidable equipment or process failure that was beyond the control or sphere of the influence of OXY and its personnel, which was not known until April 17, 2026. The incident did not originate from activities that could have been reasonably predicted or prevented, nor could it have been circumvented through sound design, operational procedures, or preventative maintenance practices. OXY demonstrates an ongoing commitment to upholding exemplary facility operation standards and diligently maintains its comprehensive preventative maintenance program for equipment. In this instance, it was determined that intermittent venting began on April 16, 2026, when the diaphragm in the first-stage cut regulator of the Stack Cats 25-36 Federal Com 32H wellhead failed to properly seal the upper and lower chambers. This failure was caused by a faulty diaphragm. As a result, intermittent venting persisted until midafternoon on April 17, 2026. The first-stage regulator must function correctly to ensure accurate pressure control downstream and manage high-pressure gas flow from the wellhead precisely. When it malfunctions unpredictably, pressure regulation fails, leading to uncontrolled and intermittent venting. On April 17, 2026, OXY undertook comprehensive measures to manage and reduce emissions upon identification of venting.

2. Steps Taken to limit duration and magnitude of venting or flaring:

In this instance, it was determined that intermittent venting began on April 16, 2026, when the diaphragm in the first-stage cut regulator of the Stack Cats 25-36 Federal Com 32H wellhead failed to properly seal the upper and lower chambers. This failure was caused by a faulty diaphragm. As a result, intermittent venting persisted until midafternoon on April 17, 2026. The first-stage regulator must function correctly to ensure accurate pressure control downstream and manage high-pressure gas flow from the wellhead precisely. When it malfunctions unpredictably, pressure regulation fails, leading to uncontrolled and intermittent venting. On April 17, 2026, OXY implemented comprehensive emission management and reduction measures by promptly dispatching an emissions technician to the well upon detection of venting, in order to immediately halt the release. The emissions technician successfully shut in the well manually, then isolated the regulator by closing both the inlet and outlet valves and depressurizing the regulator. After confirming that venting had ceased, a work order was submitted to address issues with the regulator and diaphragm prior to returning the well to operation.

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

OXY's corrective measures to address unforeseen equipment failures or malfunctions caused by faulty components have inherent limitations. Irrespective of regulator design and operational protocols, these types of well equipment fixtures are subject to dynamic behaviors—both accurate and erroneous—that can arise suddenly and are not always predictable. Such occurrences may lead to unanticipated operations, including venting. OXY demonstrates an ongoing commitment to upholding exemplary facility operation standards and diligently maintains its comprehensive preventative maintenance program for 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: 582704
	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 582704

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 582704
	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	**[30-025-50950] STACK CATS 25 36 FEDERAL COM #032H**
Incident Facility	*Unavailable.*

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	Yes
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	Well
Additional details for Equipment Involved. Please specify	Intermittent Venting > Equipment Malfunction > 1st Stage Regulator > Bad Diaphragm

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: 582704
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/16/2026
Time vent or flare was discovered or commenced	12:43 PM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	11

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure | Well | Natural Gas Vented | Released: 96 Mcf | Recovered: 0 Mcf | Lost: 96 Mcf.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	Allocated Vent Calculation
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 resulted from an unanticipated and unavoidable equipment or process failure that was beyond the control or sphere of the influence of OXY and its personnel, which was not known until April 17, 2026. The incident did not originate from activities that could have been reasonably predicted or prevented, nor could it have been circumvented through sound design, operational procedures, or preventative maintenance practices. OXY demonstrates an ongoing commitment to upholding exemplary facility operation standards and diligently maintains its comprehensive preventative maintenance program for equipment. In this instance, it was determined that intermittent venting began on April 16, 2026, when the diaphragm in the first-stage cut regulator of the Stack Cats 25-36 Federal Com 32H wellhead failed to properly seal the upper and lower chambers. This failure was caused by a faulty diaphragm. As a result, intermittent venting persisted until midafternoon on April 17, 2026. The first-stage regulator must function correctly to ensure accurate pressure control downstream and manage high-pressure gas flow from the wellhead precisely. When it malfunctions unpredictably, pressure regulation fails, leading to uncontrolled and intermittent venting. On April 17, 2026, OXY undertook comprehensive measures to manage and reduce emissions upon identification of venting.
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Steps taken to limit the duration and magnitude of vent or flare	The first-stage regulator must function correctly to ensure accurate pressure control downstream and manage high-pressure gas flow from the wellhead precisely. When it malfunctions unpredictably, pressure regulation fails, leading to uncontrolled and intermittent venting. On April 17, 2026, OXY implemented comprehensive emission management and reduction measures by promptly dispatching an emissions technician to the well upon detection of venting, in order to immediately halt the release. The emissions technician successfully shut in the well manually, then isolated the regulator by closing both the inlet and outlet valves and depressurizing the regulator. After confirming that venting had ceased, a work order was submitted to address issues with the regulator and diaphragm prior to returning the well to operation.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	OXY's corrective measures to address unforeseen equipment failures or malfunctions caused by faulty components have inherent limitations. Irrespective of regulator design and operational protocols, these types of well equipment fixtures are subject to dynamic behaviors—both accurate and erroneous—that can arise suddenly and are not always predictable. Such occurrences may lead to unanticipated operations, including venting. OXY demonstrates an ongoing commitment to upholding exemplary facility operation standards and diligently maintains its comprehensive preventative maintenance program for equipment.

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ACKNOWLEDGMENTS

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	Action Number: 582704
	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

Action 582704

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 582704
	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.	5/6/2026