


AKM MEASUREMENT SERVICES,LLC. Natural Gas Analysis Report
 GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB FUEL GAS
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	01-18-2024
Meter Number	
Air temperature	64
Flow Rate (MCF/Day)	
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	RED TANK 19 CTB FUEL GAS
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM, OXY USA INC
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	
Sample Sub Type	FUEL GAS
Sample Name Type	FUEL GAS
Vendor	AKM MEASUREMENT
Cylinder #	30949
Sampled by	JONATHAN ALDRICH
Sample date	1-18-2024
Analyzed date	1-23-2024
Method Name	C9
Injection Date	2024-01-23 11:49:52
Report Date	2024-01-23 11:50:33
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	99bd35c8-8311-478c-8a2f-99adff044d3f
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	37266.5	2.1468	0.00005761	2.1489	0.0	0.02078	0.237	
Methane	990810.1	71.9670	0.00007263	72.0384	729.3	0.39902	12.258	
CO2	69868.6	3.3166	0.00004747	3.3199	0.0	0.05045	0.569	
Ethane	260884.5	11.9805	0.00004592	11.9924	212.7	0.12451	3.219	
H2S	0.0	0.0008	0.00000000	0.0008	0.0	0.00001	0.000	
Propane	194828.6	6.3691	0.00003269	6.3754	160.8	0.09707	1.763	
iso-butane	69862.7	0.7735	0.00001107	0.7742	25.2	0.01554	0.254	
n-Butane	172320.8	1.8958	0.00001100	1.8977	62.1	0.03808	0.601	
iso-pentane	42870.9	0.4192	0.00000978	0.4196	16.8	0.01045	0.154	
n-Pentane	48040.3	0.4508	0.00000938	0.4512	18.1	0.01124	0.164	
hexanes	33494.0	0.3289	0.00000982	0.3293	15.7	0.00980	0.136	
heptanes	32128.0	0.1910	0.00000595	0.1912	10.5	0.00661	0.089	
octanes	11379.0	0.0591	0.00000519	0.0592	3.7	0.00233	0.030	
nonanes+	725.0	0.0018	0.00000253	0.0018	0.1	0.00008	0.001	
Total:		99.9009		100.0000	1255.1	0.78597	19.475	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.9009		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flow to Impingement	73.0		

Result	Dry	Sat.	
Flowing Pressure (psia)	130.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1255.1	1233.3	
Gross Heating Value (BTU / Real cu.ft.)	1260.1	1238.7	
Relative Density (G), Real	0.7888	0.7862	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.9009	97.0000	103.0000	Pass	

VCU FLARING EVENT SPECIFIC JUSTIFICATIONS FORM**Facility:** Red Tank 19 CTB**Date:** 01/24/2025**Duration of event:** >8 hours/day**MCF Flared:** 63**Start Time:** 12:00 AM**End Time:** 11:59 PM**Cause:** Routine Combustion of storage tank vapors using an enclosed combustion device (VCU)**Method of Flared Gas Measurement:** VCU Meter F6002 tracking combusted gas**Well API Associated with Facility:** 30-025-44063 Red Tank 30-31 State Com 034 H

Comments: No wells were involved with this flaring event as this event is due to combustion of storage tank vapors by an enclosed combustion device which is used routinely at this facility, pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.

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

On May 17, 2021, NMOCD issued a notice entitled, "Frequently Asked Questions Regarding the Natural Gas Waste Rules," and states that "... pursuant to 19.15.27.8(G) NMAC, an operator who vents or flares for any reason and that lasts more than 8 hours cumulatively during any 24-hour period must report that event on Form C-129." Combustion of storage tank vapors by this enclosed combustion device is used routinely at this facility pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.

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

On May 17, 2021, NMOCD issued a notice entitled, "Frequently Asked Questions Regarding the Natural Gas Waste Rules," and states that "... pursuant to 19.15.27.8(G) NMAC, an operator who vents or flares for any reason and that lasts more than 8 hours cumulatively during any 24-hour period must report that event on Form C-129." Combustion of storage tank vapors by this enclosed combustion device is used routinely at this facility pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.

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

On May 17, 2021, NMOCD issued a notice entitled, "Frequently Asked Questions Regarding the Natural Gas Waste Rules," and states that "... pursuant to 19.15.27.8(G) NMAC, an operator who vents or flares for any reason and that lasts more than 8 hours cumulatively during any 24-hour period must report that event on Form C-129." Combustion of storage tank vapors by this enclosed combustion device is used routinely at this facility pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.

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 429767

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429767
	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 429767

QUESTIONS

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	Action Number: 429767
	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	[fAPP2127031815] RED TANK 19 CTB

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	No
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.
<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	VCU Meter F6002 tracking combusted gas - No wells were involved with this flaring event as this event is due to combustion of storage tank vapors by an enclosed combustion device which is used routinely at this facility, pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.

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	8
Carbon Dioxide (CO2) percentage, if greater than one percent	3
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

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/24/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other Other (Specify) Natural Gas Flared Released: 63 Mcf Recovered: 0 Mcf Lost: 63 Mcf.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	VCU Meter F6002 tracking combusted gas
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	On May 17, 2021, NMOCD issued a notice entitled, "Frequently Asked Questions Regarding the Natural Gas Waste Rules," and states that "... pursuant to 19.15.27.8(G) NMAC, an operator who vents or flares for any reason and that lasts more than 8 hours cumulatively during any 24-hour period must report that event on Form C-129." Combustion of storage tank vapors by this enclosed combustion device is used routinely at this facility pursuant to Federal US EPA NSPS OOOO/OOOOa regulations and state air permitting requirements that require the use of such a device to reduce storage tank emissions by 95%.
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ACKNOWLEDGMENTS

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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

Created By	Condition	Condition Date
shelbyschoepf	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.	2/8/2025