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

	Sample Information
Sample Name	8. CORRAL 2N COMPRESSOR STATION AFTER FUEL SKID
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	03-02-2023
Meter Number	NA
Air temperature	64
Flow Rate (MCF/Day)	NA
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	8. CORRAL 2N COMPRESSOR STATION AFTER FUEL SKID
Sampling Method	fill and empty
Operator	OCCIDENTAL PETROLEUM
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	NA
FLOC	NA
Sample Sub Type	NA
Sample Name Type	NA
Vendor	AKM MEASUREMENT
Cylinder #	AKM-4
Sampled by	JONATHAN ALDRICH
Sample date	3-1-2023
Analyzed date	3-2-2023
Method Name	C9
Injection Date	2023-03-02 11:01:47
Report Date	2023-03-02 11:05:23
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	454164ab-9c70-4a26-9a81-475679206b40
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	19900.4	1.1216	0.00005636	1.1210	0.0	0.01084	0.124	
Methane	1048827.2	76.8431	0.00007327	76.8014	777.5	0.42540	13.064	
CO2	3240.1	0.1531	0.00004726	0.1530	0.0	0.00232	0.026	
Ethane	273459.1	12.4443	0.00004551	12.4375	220.6	0.12913	3.338	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	193142.1	6.3290	0.00003277	6.3256	159.5	0.09631	1.749	
iso-butane	69923.5	0.7771	0.00001111	0.7767	25.3	0.01559	0.255	
n-Butane	155310.4	1.7060	0.00001098	1.7051	55.8	0.03422	0.539	
iso-pentane	29200.4	0.2836	0.00000971	0.2835	11.4	0.00706	0.104	
n-Pentane	29465.3	0.2790	0.00000947	0.2789	11.2	0.00695	0.101	
hexanes	10415.0	0.0791	0.00000760	0.0791	3.8	0.00235	0.033	
heptanes	4902.0	0.0306	0.00000624	0.0306	1.7	0.00106	0.014	
octanes	1200.0	0.0067	0.00000558	0.0067	0.4	0.00026	0.003	
nonanes+	141.0	0.0009	0.00000619	0.0009	0.1	0.00004	0.001	
Total:		100.0541		100.0000	1267.2	0.73153	19.351	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	100.0541		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	0.0		
Flowing Pressure (psig)	125.0		

Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1267.2	1245.2
Gross Heating Value (BTU / Real cu.ft.)	1271.8	1250.2
Relative Density (G), Real	0.7339	0.7323

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	100.0541	97.0000	103.0000	Pass

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Corral 2N CS **Flare Date:** 05/28/2024

Duration of Event: 1 Hour 47 Minutes **MCF Flared:** 252

Start Time: 10:00 PM **End Time:** 11:47 PM

Cause: Emergency Flare > Third Party Downstream Activity > ETC > Downstream Maintenance

Method of Flared Gas Measurement: Gas Flare Meter

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

The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction, or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted Oxy's ability to send gas to them. This interruption, restriction, or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid or prevent from happening and did not stem from any of Oxy's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, ETC suddenly and unexpectedly lowered their sales gas intake rates due to continuing unplanned downstream maintenance on their equipment, which in turn caused high line pressure to occur, which then triggered a flaring event to occur. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from ETC gas control or its personnel.

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. In this case, ETC suddenly and unexpectedly lowered their sales gas intake rates due to continuing unplanned downstream maintenance on their equipment, which in turn caused high line pressure to occur, which then triggered a flaring event to occur. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from ETC gas control or its personnel. As soon as flaring was triggered, the well optimizer adjusted injection rates and Oxy field personnel choked back all wells to help minimize and mitigate emissions. This event is out of OXY's control, yet OXY made every effort to control and minimize emissions as much as possible.

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

Oxy is unable to take any corrective actions to eliminate the cause and potential reoccurrence of a downstream third-party owned and operated sales line issue, as this is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid, prevent from happening or reoccur. When ETC has equipment issues, unplanned maintenance issues or greatly struggles to handle the volume of gas being sent to them by Oxy, ETC then restricts Oxy's ability to send its gas, which then prompts Oxy to route all its stranded gas not pushed into the ETC sales gas pipeline, to flare. OXY makes every effort to control and minimize emissions as much as possible. The only actions that Oxy can take and handle that is within its control, is to continually communicate with ETC personnel, who own and operate the sales gas pipeline, when possible, during these types of circumstances.

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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: 353847
	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 353847

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 353847
	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	**[fAPP2126641235] CORRAL #2 NORTH COMP STATION**

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	Gas Flare Meter - Emergency Flare > Third Party Downstream Activity > ETC > Downstream Maintenance

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	77
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
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: 353847
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/28/2024
Time vent or flare was discovered or commenced	10:00 PM
Time vent or flare was terminated	11:47 PM
Cumulative hours during this event	2

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: 252 Mcf | Recovered: 0 Mcf | Lost: 252 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[267255] ENERGY TRANSFER PARTNERS, LP
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	The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable interruption, restriction, or complete shut-in of a gas pipeline by a third-party pipeline compressor station operator, which impacted Oxy's ability to send gas to them. This interruption, restriction, or complete shut-in of the gas pipeline by a third-party pipeline compression station operator is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid or prevent from happening and did not stem from any of Oxy's upstream facility activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. In this case, ETC suddenly and unexpectedly lowered their sales gas intake rates due to continuing unplanned downstream maintenance on their equipment, which in turn caused high line pressure to occur, which then triggered a flaring event to occur. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from ETC gas control or its personnel.
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. In this case, ETC suddenly and unexpectedly lowered their sales gas intake rates due to continuing unplanned downstream maintenance on their equipment, which in turn caused high line pressure to occur, which then triggered a flaring event to occur. This event could not have been foreseen, avoided, or prevented from happening as this event

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ACKNOWLEDGMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 353847
	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 353847

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 353847
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	6/13/2024