AKM Measurement Services, LLC
Carlsbad, New Mexico

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	CYPRESS 34A CDP
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	01-11-2024
Meter Number	2.10.5
Air temperature	53
Flow Rate (MCF/Day)	7886
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	CYPRESS 34A CDP
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM, OXY USA INC
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST OF PECOS
FLOC	OP-L3819-BT001
Sample Sub Type	CDP
Sample Name Type	METER
Vendor	AKM MEASUREMENT
Cylinder #	38570
Sampled by	CHANDLER MONTGOMERY
Sample date	1-8-2024
Analyzed date	01-11-2024
Method Name	C9
Injection Date	2024-01-11 13:15:44
Report Date	2024-01-11 13:17:48
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	d2f09eb5-fdf4-41fe-b365-37541cfe9bb7
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	17869.6	1.0281	0.00005754	1.0378	0.0	0.01004	0.115	
Methane	1076871.1	78.1079	0.00007253	78.8453	798.2	0.43672	13.412	
CO2	5140.6	0.2438	0.00004742	0.2461	0.0	0.00374	0.042	
Ethane	238958.6	10.9587	0.00004586	11.0622	196.2	0.11485	2.969	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	151463.7	4.9489	0.00003267	4.9956	126.0	0.07606	1.381	
iso-butane	66159.8	0.7357	0.00001112	0.7426	24.2	0.01490	0.244	
n-Butane	143617.8	1.5960	0.00001111	1.6110	52.7	0.03233	0.510	
iso-pentane	38917.0	0.3854	0.00000990	0.3891	15.6	0.00969	0.143	
n-Pentane	44341.9	0.4216	0.00000951	0.4256	17.1	0.01060	0.155	
hexanes	35067.0	0.3594	0.00001025	0.3628	17.3	0.01079	0.150	
heptanes	26396.0	0.1653	0.00000626	0.1668	9.2	0.00577	0.077	
octanes	17559.0	0.1101	0.00000627	0.1112	7.0	0.00439	0.057	
nonanes+	9821.0	0.0038	0.00000039	0.0039	0.3	0.00017	0.002	
Total:		99.0649		100.0000	1263.7	0.73006	19.256	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.0649		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	59.5		

Result	Dry	Sat.
Flowing Pressure (psia)	78.3	
Gross Heating Value (BTU / Ideal cu.ft.)	1263.7	1241.7
Gross Heating Value (BTU / Real cu.ft.)	1268.3	1246.8
Relative Density (G), Real	0.7324	0.7308

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.0649	97.0000	103.0000	Pass

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Cypress 34A CTB

Flare Date: 02/24/2025

Duration of Event: 2 Hours

MCF Flared: 50

Start Time: 05:00 PM

End Time: 07:00 PM

Cause: Emergency Flare > Third Party Downstream Activity > Salt Creek Midstream > Salt Creek CS > Emergency Shutdown > Gas Detection

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, third party owned and operated Salt Creek Midstream's compressor station, Salt Creek compressor station, had a sudden and unexpected ESD due to faulty gas detection sensor alarms issues on their end, which in turn caused an emergency shutdown of their station. Once Salt Creek's compressor station shutdown, this caused high line pressure to occur, which then caused the field to pressure up automatically and trigger flaring to occur at the Cypress 34A CTB. Salt Creek Midstream had to dispatch a technician to resolve the sensor issues on their end. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from Salt Creek Midstream or its personnel. While flaring is not OXY's preferred method of handling excess gas, it is a necessary step under these exceptional circumstances to maintain the integrity and safety of our operations. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

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 a 98% combustion efficiency to lessen emissions as much as possible In this case, third party owned and operated Salt Creek Midstream's compressor station, Salt Creek compressor station, had a sudden and unexpected ESD due to faulty gas detection sensor alarms issues on their end, which in turn caused an emergency shutdown of their station. Once Salt Creek's compressor station shutdown, this caused high line pressure to occur, which then caused the field to pressure up automatically and trigger flaring to occur at the Cypress 34A CTB. The immediate spike in field pressure, caused by Salt Creek Midstream's faulty sensor detection and subsequent ESD valve closing, did not allow Oxy field personnel to take precautions to limit its emissions. As soon as flaring was triggered, field personnel engaged in Oxy's third party pipeline operation curtailment reactive stratagems and assisted with activating storage wells and began to shut-in several high GOR wells to assist with reducing field pressure so that it would stay below the flare trigger setpoints of the facility, which took some time to do. 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 cannot take any corrective actions to eliminate the cause and potential reoccurrence of a third-party owned and operated compressor station's sudden and unexpected gas flow intake restriction or shut-in, as this control issue is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid, prevent from happening or reoccur. Third-party downstream compression station owner operators may have equipment issues, or additional downstream third-party gas plant issues, which will reoccur from time to time, which in turn, directly impacts Oxy's ability to send its sales gas to them and potentially triggering a flaring event. OXY makes every effort to control and minimize emissions as much as possible..

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General Information
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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: 484519
	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 484519

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 484519
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2126639397] CYPRESS 34-1 BATTERY**
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.	

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 > Third Party Downstream Activity > Salt Creek Midstream > Salt Creek CS > Emergency Shutdown > Gas Detection

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	79
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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sufide (H2S) PPM quality requirement	0
Carbon Dioxide (C02) percentage quality requirement	0
Oxygen (02) percentage quality requirement	0

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QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 484519
	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	02/24/2025
Time vent or flare was discovered or commenced	05:00 PM
Time vent or flare was terminated	07:00 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: 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[373554] Salt Creek Midstream, LLC
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	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, third party owned and operated Salt Creek Midstream's compressor station, Salt Creek compressor station, had a sudden and unexpected ESD due to faulty gas detection sensor alarms issues on their end, which in turn caused an emergency shutdown of their station. Once Salt Creek's compressor station shutdown, this caused high line pressure to occur, which then caused the field to pressure up automatically and trigger flaring to occur at the Cypress 34A CTB. Salt Creek Midstream had to dispatch a technician to resolve the sensor issues on their end. This event could not have been foreseen, avoided, or prevented from happening as this event occurred with no advance notice or warning from Salt Creek Midstream or its personnel. While flaring is not OXY's preferred method of handling excess gas, it is a necessary step under these exceptional circumstances to maintain the integrity and safety of our operations. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

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 a 98% combustion efficiency to lessen emissions as much as possible In this case, third party owned and operated Salt Creek Midstream's compressor station, Salt Creek compressor station, had a sudden and unexpected ESD due to faulty gas detection sensor alarms issues on their end, which in turn caused an emergency shutdown of their station. Once Salt Creek's compressor station shutdown, this caused high line pressure to occur, which then caused the field to pressure up automatically and trigger flaring to occur at the Cypress 34A CTB. The immediate spike in field pressure, caused by Salt Creek Midstream's faulty sensor detection and subsequent ESD valve closing, did not allow Oxy field personnel to take precautions to limit its emissions. As soon as flaring was triggered, field personnel engaged in Oxy's third party pipeline operation curtailment reactive stratagems and assisted with activating storage wells and began to shut-in several high GOR wells to assist with reducing field pressure so that it would stay below the flare trigger setpoints of the facility, which took some time to do. This event is out of OXY's control, yet OXY made every effort to control and minimize emissions as much as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy cannot take any corrective actions to eliminate the cause and potential reoccurrence of a third-party owned and operated compressor station's sudden and unexpected gas flow intake restriction or shut-in, as this contr ol issue is downstream of Oxy's custody transfer point and out of Oxy's control to foresee, avoid, prevent fro m happening or reoccur. Third-party downstream compression station owner operators may have equip ment issues, or additional downstream third-party gas plant issues, which will reoccur from time to time, whic h in turn, directly impacts Oxy's ability to send its sales gas to them and potentially triggering a flaring event. OXY makes every effort to control and minimize emissions as much as possible.

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ACKNOWLEDGMENTS

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	Action Number: 484519
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 484519
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
shelbyschoepf	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.	7/14/2025