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 33 B 2 CDP
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	10-05-2023
Meter Number	2.10.12
Air temperature	85
Flow Rate (MCF/Day)	7285
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	CYPRESS 33 B 2 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-L3818-BT002
Sample Sub Type	CDP
Sample Name Type	METER
Vendor	AKM MEASUREMENT
Cylinder #	38939
Sampled by	CHANDLER MONTGOMERY
Sample date	10-4-2023
Analyzed date	10-7-2023
Method Name	C9
Injection Date	2023-10-07 14:42:16
Report Date	2023-10-07 14:44:06
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	74044316-76a2-4312-a506-52728f84dc9e
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	15458.9	0.8783	0.00005681	0.8770	0.0	0.00848	0.097	
Methane	1074930.3	79.0359	0.00007353	78.9197	798.9	0.43714	13.429	
CO2	2698.1	0.1289	0.00004778	0.1287	0.0	0.00196	0.022	
Ethane	233286.9	10.7010	0.00004587	10.6852	189.5	0.11093	2.868	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	144721.3	4.5768	0.00003162	4.5701	115.3	0.06958	1.264	
iso-butane	65229.3	0.7352	0.00001127	0.7341	23.9	0.01473	0.241	
n-Butane	148022.1	1.6546	0.00001118	1.6521	54.0	0.03315	0.523	
iso-pentane	46360.1	0.4574	0.00000987	0.4567	18.3	0.01138	0.168	
n-Pentane	56474.8	0.5450	0.00000965	0.5442	21.9	0.01356	0.198	
hexanes	63582.0	0.4908	0.00000772	0.4901	23.4	0.01458	0.202	
heptanes	72201.0	0.5237	0.00000725	0.5229	28.8	0.01809	0.242	
octanes	45884.0	0.3410	0.00000743	0.3405	21.3	0.01343	0.175	
nonanes+	6371.0	0.0788	0.00001237	0.0787	5.5	0.00349	0.044	
Total:		100.1473		100.0000	1300.9	0.75049	19.474	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	100.1473		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (°F)	93.5		

Result	Dry	Sat.
Flowing Pressure (psia)	51.6	
Gross Heating Value (BTU / Ideal cu.ft.)	1300.9	1278.3
Gross Heating Value (BTU / Real cu.ft.)	1306.1	1283.9
Relative Density (G), Real	0.7532	0.7512

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	100.1473	97.0000	103.0000	Pass

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Cypress 33B CTB **Flare Date:** 07/05/2024

Duration of Event: 8 Hours **MCF Flared:** 202

Start Time: 02:00 AM **End Time:** 10:00 AM

Cause: Emergency Flare > Downstream Activity > Salt Creek Midstream > Salt Creek Compressor Station > Scheduled Compressor Maintenance

Method of Flared Gas Measurement: Gas Flare Meter

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

In this case, third party owned and operated Salt Creek Midstream's compressor station, had scheduled preventative maintenance on their compression equipment. Oxy personnel, once notified a few days in advance, choked back several wells in preparation for this third-party operator compression maintenance work. When field pressure would elevate, Oxy production techs slowly opened wells, which would trigger brief instances of intermittent flaring to occur. Once Salt Creek maintenance kept taking down their compression equipment, high line pressure would occur, and then flaring would occur when field pressure began to rise. Oxy is unable to predict when field pressure would rise to the extent a flaring instance would be triggered and therefore, this is out of Oxy's control to predict, avoid or foresee.

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

In this case, third party owned and operated Salt Creek Midstream's compressor station, had scheduled preventative maintenance on their compression equipment. Oxy personnel, once notified a few days in advance, choked back several wells in preparation for this third-party operator compression maintenance work. When field pressure would elevate, Oxy production techs slowly opened wells, which would trigger brief instances of intermittent flaring to occur. Once Salt Creek maintenance kept taking down their compression equipment, high line pressure would occur, and then flaring would occur when field pressure began to rise. Oxy is unable to predict when field pressure would rise to the extent a flaring instance would be triggered and therefore, this is out of Oxy's control to predict, avoid or foresee. During each instance of intermittent flaring, which occurred, Oxy field personnel began making additional choke changes so that field pressure would stay below the flare trigger setpoints of the facility.

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

Third-party downstream compression station owner operators may have equipment issues, or additional downstream third-party gas plant and/or compressor station 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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District IV
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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: 365785
	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 365785

QUESTIONS

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	Action Number: 365785
	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	**[fAPP2306227737] Cypress 33B 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	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	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare > Downstream Activity > Salt Creek Midstream > Salt Creek Compressor Station > Scheduled Compressor 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	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	*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)

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	Action Number: 365785
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/05/2024
Time vent or flare was discovered or commenced	02:00 AM
Time vent or flare was terminated	10:00 AM
Cumulative hours during this event	8

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: 202 Mcf | Recovered: 0 Mcf | Lost: 202 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	*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	In this case, third party owned and operated Salt Creek Midstream's compressor station, had scheduled preventative maintenance on their compression equipment. Oxy personnel, once notified a few days in advance, choked back several wells in preparation for this third-party operator compression maintenance work. When field pressure would elevate, Oxy production techs slowly opened wells, which would trigger brief instances of intermittent flaring to occur. Once Salt Creek maintenance kept taking down their compression equipment, high line pressure would occur, and then flaring would occur when field pressure began to rise. Oxy is unable to predict when field pressure would rise to the extent a flaring instance would be triggered and therefore, this is out of Oxy's control to predict, avoid or foresee.
Steps taken to limit the duration and magnitude of vent or flare	In this case, third party owned and operated Salt Creek Midstream's compressor station, had scheduled preventative maintenance on their compression equipment. Oxy personnel, once notified a few days in advance, choked back several wells in preparation for this third-party operator compression maintenance work. When field pressure would elevate, Oxy production techs slowly opened wells, which would trigger brief instances of intermittent flaring to occur. Once Salt Creek maintenance kept taking down their compression equipment, high line pressure would occur, and then flaring would occur when field pressure began to rise. Oxy is unable to predict when field pressure would rise to the extent a flaring instance would be triggered and therefore, this is out of Oxy's control to predict, avoid or foresee. During each instance of intermittent flaring, which occurred, Oxy field personnel began making additional choke changes so that field pressure would stay below the flare trigger setpoints of the

	facility.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Third-party downstream compression station owner operators may have equipment issues, or additional downstream third-party gas plant and/or compressor station 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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ACKNOWLEDGMENTS

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	Action Number: 365785
	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 365785

CONDITIONS

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	Action Number: 365785
	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.	7/19/2024