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	TURKEY TRACK CTB DCP CHECK
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	01-25-2024
Meter Number	14699C
Air temperature	50
Flow Rate (MCF/Day)	1985
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	TURKEY TRACK CTB DCP CHECK
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM, OXY USA INC
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	TURKEY TRACK
FLOC	OP-L1364-BT001
Sample Sub Type	CTB
Sample Name Type	METER
Vendor	AKM MEASUREMENT
Cylinder #	38901
Sampled by	SCOTT
Sample date	1-24-2024
Analyzed date	1-25-2024
Method Name	C9
Injection Date	2024-01-25 16:04:11
Report Date	2024-01-25 16:06:23
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	8d6bdaf5-f87f-4706-b1e7-2b74f6497a04
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	36247.1	2.0936	0.00005776	2.1006	0.0	0.02032	0.232	
Methane	1052995.6	76.5995	0.00007274	76.8551	778.0	0.42570	13.076	
CO2	5778.6	0.2753	0.00004763	0.2762	0.0	0.00420	0.047	
Ethane	242409.0	11.1570	0.00004603	11.1942	198.6	0.11622	3.004	
H2S	0.0	0.0003	0.00000000	0.0003	0.0	0.00000	0.000	
Propane	155789.8	5.1105	0.00003280	5.1275	129.3	0.07807	1.418	
iso-butane	62638.1	0.6935	0.00001107	0.6958	22.7	0.01396	0.229	
n-Butane	155477.6	1.7105	0.00001100	1.7162	56.1	0.03444	0.543	
iso-pentane	53484.4	0.5233	0.00000979	0.5251	21.1	0.01308	0.193	
n-Pentane	60502.2	0.5685	0.00000940	0.5704	22.9	0.01421	0.208	
hexanes	54106.0	0.5324	0.00000984	0.5342	25.5	0.01589	0.220	
heptanes	53696.0	0.3208	0.00000597	0.3219	17.8	0.01114	0.149	
octanes	15223.0	0.0795	0.00000522	0.0798	5.0	0.00315	0.041	
nonanes+	987.0	0.0027	0.00000277	0.0027	0.2	0.00012	0.002	
Total:		99.6674		100.0000	1277.1	0.75049	19.361	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.6674		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	59.0		

Result	Dry	Sat.
Flowing Pressure (psia)	65.1	
Gross Heating Value (BTU / Ideal cu.ft.)	1277.1	1254.9
Gross Heating Value (BTU / Real cu.ft.)	1282.0	1260.2
Relative Density (G), Real	0.7530	0.7511

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.6674	97.0000	103.0000	Pass

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Corral 2S CS

Flare Date: 03/22/2024

Duration of event: 3 Hours 55 Minutes

MCF Flared: 527

Start Time: 10:20 AM

End Time: 02:15 PM

Cause: Numerous Sporadic Well Surges

Method of Flared Gas Measurement: Gas Flare Meter

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

In this case, sales gas had to be flared rather than be compressed due to wells flowing to the facility began surging more gas than the compressors engines could handle, which in turn, triggered intermittent flaring to occur. Oxy production techs received flaring alarms and upon arrival to the facility began inspecting the equipment and finding no issues then checked the well monitor program, which indicated the wells were surging. Oxy production techs immediately began manually adjusting well pressure gas rates while another Oxy production tech began making arrangements with additional field personnel to choke back several wells at the well heads by adjusting the pressure control valves on the flow lines. The same process occurred during each intermittent episode of flaring. These instances of intermittent flaring are unforeseeable and unanticipated as wells surge from time to time, with no warning or slightest indication of such is to occur, which is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.

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, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon notice of flaring, malfunction gas compressor unit and/or multiple unit shutdown alarms, increased sensor line pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, sales gas had to be flared rather than be compressed due to wells flowing to the facility began surging more gas than the compressors engines could handle, which in turn, triggered intermittent flaring to occur. Oxy production techs received flaring alarms and upon arrival to the facility began inspecting the equipment and finding no issues then checked the well monitor program, which indicated the wells were surging. Oxy production techs immediately began manually adjusting well pressure gas rates while another Oxy production tech began making arrangements with additional field personnel to choke back several wells at the well heads by adjusting the pressure control valves on the flow lines. The same process occurred during each intermittent episode of flaring. These instances of intermittent flaring are unforeseeable and unanticipated as wells surge from time to time, with no warning or slightest indication of such is to occur, which is out of OXY's control. 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 wells surging from time to time and overloading compression equipment. Well surges can occur at any moment, without warning, which is out of OXY's control. OXY makes every effort to control and minimize emissions as much as possible when well surges occur.

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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

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 WTP LIMITED PARTNERSHIP P.O. Box 4294 Houston, TX 772104294	OGRID: 192463
	Action Number: 330750
	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 330750

QUESTIONS

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	Action Number: 330750
	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	**[fAPP2126265645] TURKEY TRACK 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	No
Is this considered a submission for a vent or flare event	**Yes, major 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	Numerous Sporadic Well Surges

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	2
Hydrogen Sulfide (H2S) PPM, rounded up	3
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: 330750
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/22/2024
Time vent or flare was discovered or commenced	10:20 AM
Time vent or flare was terminated	02:15 PM
Cumulative hours during this event	4

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: 527 Mcf | Recovered: 0 Mcf | Lost: 527 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	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	In this case, sales gas had to be flared rather than be compressed due to wells flowing to the facility began surging more gas than the compressors engines could handle, which in turn, triggered intermittent flaring to occur. Oxy production techs received flaring alarms and upon arrival to the facility began inspecting the equipment and finding no issues then checked the well monitor program, which indicated the wells were surging. Oxy production techs immediately began manually adjusting well pressure gas rates while another Oxy production tech began making arrangements with additional field personnel to choke back several wells at the well heads by adjusting the pressure control valves on the flow lines. The same process occurred during each intermittent episode of flaring. These instances of intermittent flaring are unforeseeable and unanticipated as wells surge from time to time, with no warning or slightest indication of such is to occur, which is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.
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Steps taken to limit the duration and magnitude of vent or flare	technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, sales gas had to be flared rather than be compressed due to wells flowing to the facility began surging more gas than the compressors engines could handle, which in turn, triggered intermittent flaring to occur. Oxy production techs received flaring alarms and upon arrival to the facility began inspecting the equipment and finding no issues then checked the well monitor program, which indicated the wells were surging. Oxy production techs immediately began manually adjusting well pressure gas rates while another Oxy production tech began making arrangements with additional field personnel to choke back several wells at the well heads by adjusting the pressure control valves on the flow lines. The same process occurred during each intermittent episode of flaring. These instances of intermittent flaring are unforeseeable and unanticipated as wells surge from time to time, with no warning or slightest indication of such is to occur, which is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible.
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ACKNOWLEDGMENTS

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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

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	Action Number: 330750
	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.	4/6/2024