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	LOST TANK 18 FACILITY PROD 2
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	12-15-2023
Meter Number	16412P
Air temperature	59
Flow Rate (MCF/Day)	19315
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	LOST TANK 18 FACILITY PROD 2
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM, OXY USA INC
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	LOST TANK
FLOC	OP-DELNE-BT010
Sample Sub Type	СТВ
Sample Name Type	METER
Vendor	AKM MEASUREMENT
Cylinder #	38967
Sampled by	SCOTT
Sample date	12-11-2023
Analyzed date	12-19-2023
Method Name	C9
Injection Date	2023-12-19 17:22:49
Report Date	2023-12-19 17:24:34
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	c9df624d-557a-4940-b08e-304ec2186c4a
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	33914.5	1.9299	0.00005691	1.9234	0.0	0.01860	0.212	
Methane	970996.0	70.7503	0.00007286	70.5121	713.8	0.39057	12.003	
CO2	27471.0	1.3080	0.00004761	1.3036	0.0	0.01981	0.223	
Ethane	291718.9	13.4465	0.00004609	13.4012	237.7	0.13913	3.599	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	234132.9	7.6719	0.00003277	7.6461	192.8	0.11641	2.115	
iso-butane	91468.0	1.0116	0.00001106	1.0082	32.9	0.02023	0.331	
n-Butane	233710.5	2.5698	0.00001100	2.5611	83.7	0.05140	0.811	
iso-pentane	50142.9	0.4900	0.00000977	0.4883	19.6	0.01216	0.179	
n-Pentane	56869.7	0.5337	0.00000938	0.5319	21.4	0.01325	0.194	
hexanes	36640.0	0.3612	0.00000986	0.3600	17.2	0.01071	0.149	
heptanes	31543.0	0.1905	0.00000604	0.1899	10.5	0.00657	0.088	
octanes	12956.0	0.0696	0.00000537	0.0694	4.3	0.00274	0.036	
nonanes+	1475.0	0.0048	0.00000326	0.0048	0.3	0.00021	0.003	
Total:		100.3379		100.0000	1334.2	0.80179	19.943	

Results Summary

Result	Dry	Sat.
Total Un-Normalized Mole%	100.3379	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Released to Tempeintyr-8269.074 12:17	:12 PM 83.3	

Received by OCD: 8/6/2024 12:06:55 PM	Dry	Sat.	Page
Flowing Pressure (psia)	100.2		
Gross Heating Value (BTU / Ideal cu.ft.)	1334.2	1311.0	
Gross Heating Value (BTU / Real cu.ft.)	1340.0	1317.3	
Relative Density (G), Real	0.8049	0.8022	

Monitored Parameter Report

Parame	ter	Value	Lower Limit	Upper Limit	Status	
Total un-normalize	d amount	100.3379	97.0000	103.0000	Pass	

UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility: Lost Tank 5 CPF Flare Date: 07/21/2024

Duration of Event: 30 Minutes **MCF Flared:** 160

Start Time: 08:18 AM End Time: 08:48 AM

Cause: Emergency Flare > Downstream Activity > MPLX > Unexpected Rate Cuts

Method of Flared Gas Measurement: Gas Flare Meter

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

This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, MPLX, third party midstream operator cut sales rates through their control valve to 20mmcf due to high moisture content, on their end. MPLX's dehydration unit reboiler went down causing sales gas moisture level to exceed their pipeline specifications. This sudden and unexpected cut of sales gas offload to MPLX caused field pressure to immediately increase at Oxy's facility, which then triggered a flaring event to occur. Oxy field personnel consistently monitor the Lost Tank 5 CPF facility equipment and pressure for any changes in deviation from normal operating parameters however, in this instance, no prior advance notification was made to Oxy operations by the MPLX control center that their rates were going to be cut or reduced significantly. If prior advance notification was made to Oxy operators by MPLX, Oxy personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the Lost Tank 5 CPF facility, which in turn, would have mitigated the chance of a flaring event from occurring. All OXY operations and facility equipment were running at maximized optimization prior to the flaring event occurring. This event is out of OXY's control yet 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, 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, MPLX, third party midstream operator cut sales rates through their control valve to 20mmcf due to high moisture content, on their end. MPLX's dehydration unit reboiler went down causing sales gas moisture level to exceed their pipeline specifications. This sudden and unexpected cut of sales gas offload to MPLX caused field pressure to immediately increase at Oxy's facility, which then triggered a flaring event to occur. Oxy field personnel consistently monitor the Lost Tank 5 CPF facility equipment and pressure for any changes in deviation from normal operating parameters however, in this instance, no prior advance notification was made to Oxy operations by the MPLX control center that their rates were going to be cut or reduced significantly. If prior advance notification was made to Oxy operators by MPLX, Oxy personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the Lost Tank 5 CPF facility, which in turn, would have mitigated the chance of a flaring event from occurring. As soon as flaring was triggered, an Oxy production tech made contact with the MPLX control center to inquire the reason for the sudden and unexpected gas flow cut rate and an expected time as to when full offload capacity would be restored. No timeframe was provided as to restored full offload capacity as MPLX

was dealing with high moisture content issues on their end. Steps were immediately taken to reduce and mitigate the volume of gas being sent to flare by choking back all Gold Log and Regal Lager wells. There is no other option to reroute or offload to a secondary midstream operator from the Lost Tank 5 CPF facility. All OXY operations and facility equipment were running at maximized optimization prior to the flaring event occurring. 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 an MPLX intake gas flow pipeline restriction or shut-in, as this control issue is downstream of Oxy's custody transfer point and out of Oxy's control to avoid, prevent from happening or reoccurring. MPLX's downstream facilities and associated gas plants and/or operators, will or may have equipment issues which will reoccur from time to time and may trigger a spike in their gas line pressure, which in turn, directly impacts Oxy's ability to send gas to them, which then prompts Oxy to route all of its stranded gas not pushed into the 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 keep continually communicate with MPLX personnel that proper communication is necessary in advance during these types of situations.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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

Action 370858

DEFINITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	370858
	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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Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 370858

Prerequisites Any message presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions. Incident Well Incident Facility [IAPP2410609153] Lost Tank 5 Tankless CPF Determination of Reporting Requirements Animals of Reporting Requirements An operator shall be a four class of Amin or flare event Yes, minor venting and/or flaring of natural gas. An operator shall file a four C-14 instead of a four C-125 for a release that, includes liquid during which were the flare result in the release of Amin (quide foot flaring under remains flared) that resold of the shall require the release of Amin (quide foot flaring under remains flared) that resold of the shall require of reaching the ground, a surface, a wastercourse, or otherwise, with reasonable probability, endanger public health, the environment or flaring with an incorporated municipal boundary or withing 300 feet a wastercourse, or otherwise, with reasonable probability, endanger public health, the original public probability or otherwise or otherwise, with reasonable probability, endanger public health, the original public probability or otherwise or otherwise, with reasonable probability, endanger public health, the original public probability or otherwise or otherwise, with reasonable probability, endanger public health, the original public probability or otherwise or otherwise, with reasonable probability, endanger public health, the original public public probability or otherwise or otherwise, with reasonable probability or otherwise or otherwise, or oth	Phone:(505) 476-3470 Fax:(505) 476-3462			
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Hydrogen Sufide (H2S) PPM quality requirement Not answered.	Methane (CH4) percentage quality requirement	Not answered.		
	Nitrogen (N2) percentage quality requirement	Not answered.		
Carbon Diovida (CO2) percentage quality requirement	Hydrogen Sufide (H2S) PPM quality requirement	Not answered.		
Carbon Dioxide (CO2) percentage quality requirement / Not answered.	Carbon Dioxide (C02) percentage quality requirement	Not answered.		

Not answered.

Oxygen (02) percentage quality requirement

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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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**

QUESTIONS, Page 2

Action 370858

CLIECTIONIC (4:

QUESTIONS (continued)	
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	370858
	Action Type:
	[C-129] Venting and/or Flaring (C-129)
QUESTIONS	
Date(s) and Time(s)	

Date vent or flare was discovered or commenced	07/21/2024
Time vent or flare was discovered or commenced	08:18 AM
Time vent or flare was terminated	08:48 AM
Cumulative hours during this event	1
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: 160 Mcf Recovered: 0 Mcf Lost: 160 Mcf

induction of a Louiniation volume of volume of visiting and visiting a				
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Cause: Other Other (Specify) Natural Gas Flared Released: 160 Mcf Recovered: 0 Mcf Lost: 160 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	[14035] MARATHON OIL CO	
Date notified of downstream activity requiring this vent or flare	Not answered.	
Time notified of downstream activity requiring this vent or flare	Not answered.	

teps 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	This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Oxy engages in respectable and good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, MPLX, third party midstream operator cut sales rates through their control valve to 20mmcf due to high moisture content, on their end. MPLX's dehydration unit reboiler went down causing sales gas moisture level to exceed their pipeline specifications. This sudden and unexpected cut of sales gas offload to MPLX caused field pressure to immediately increase at Oxy's facility, which then triggered a flaring event to occur. Oxy field personnel consistently monitor the Lost Tank 5 CPF facility equipment and pressure for any changes in deviation from normal operating parameters however, in this instance, no prior advance notification was made to Oxy operations by the MPLX control center that their rates were going to be cut or reduced significantly. If prior advance notification was made to Oxy operators by MPLX, Oxy personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the Lost Tank 5 CPF facility, which in turn, would have mitigated the chance of a flaring event from occurring. All OXY operations and facility equipment were running at maximized optimization prior to the flaring event occurring. This event is out of OXY's control yet 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	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, MPLX, third party midstream operator cut sales rates through their control valve to 20mmcf due to high moisture content, on their end. MPLX's dehydration unit reboiler went down causing sales gas moisture level to exceed their pipeline specifications. This sudden and unexpected cut of sales gas offload to MPLX caused field pressure to immediately increase at Oxy's facility, which then triggered a flaring event to occur. Oxy field personnel consistently monitor the Lost Tank 5 CPF facility equipment and pressure for any changes in deviation from normal operating parameters however, in this instance, no prior advance notification was made to Oxy operations by the MPLX control center that their rates were going to be cut or reduced significantly. If prior advance notification was made to Oxy operators by MPLX, Oxy personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the Lost Tank 5 CPF facility, which in turn, would have mitigated the chance of a flaring event from occurring. As soon as flaring was triggered, an Oxy production tech made contact with the MPLX control center to inquire the reason for the sudden and unexpected gas flow cut rate and an expected time as to when full offload capacity would be restored. No timeframe was provided as to restored full offload capacity as MPLX was dealing with high moisture content issues on their end. Steps were immediately taken to reduce and mitigate the volume of gas being sent to flare by choking back all Gold Log and Regal Lager wells. There is no other option to reroute or offload to a secondary midstream operator from the Lost Tank 5 CPF facility. All OXY operat
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 an MPLX intake gas flow pipeline restriction or shut-in, as this control issue is downstream of Oxy's custody transfer point and out of Oxy's control to avoid, prevent from happening or reoccurring. MPLX's downstream facilities and associated gas plants and/or operators, will or may have equipment issues which will reoccur from time to time and may trigger a spike in their gas line pressure, which in turn, directly impacts Oxy's ability to send gas to them, which then prompts Oxy to route all of its stranded gas not pushed into the 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 keep continually communicate with MPLX personnel that proper communication is necessary in advance during these types of situations.

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ACKNOWLEDGMENTS

Action 370858

ACKNOWLEDGMENTS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	370858
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

V	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.
V	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.
V	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.
V	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 370858

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	370858
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By		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.	8/6/2024