


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	MESA VERDE CTB CK 2
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	11-14-2024
Meter Number	15500D
Air temperature	82
Flow Rate (MCF/Day)	45815
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	MESA VERDE CTB CK 2
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	MESA VERDE
FLOC	NA
Sample Sub Type	CTB
Sample Name Type	METER
Vendor	AKM MEASUREMENT
Cylinder #	
Sampled by	WILL S.
Sample date	11-15-2024
Analyzed date	11-19-2024
Method Name	C9
Injection Date	2024-11-19 17:07:54
Report Date	2024-11-19 17:14:18
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	d108f81f-0fbf-4144-a309-a231c7e0e6ae
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	31202.8	1.7946	0.00005752	1.7988	0.0	0.01740	0.199	
Methane	1013583.2	73.5466	0.00007256	73.7176	746.3	0.40832	12.543	
CO2	90473.6	4.3019	0.00004755	4.3119	0.0	0.06552	0.739	
Ethane	230757.0	10.6098	0.00004598	10.6344	188.6	0.11041	2.854	
H2S	0.0	0.0001	0.00000000	0.0001	0.0	0.00000	0.000	
Propane	167161.8	5.4659	0.00003270	5.4786	138.2	0.08341	1.515	
iso-butane	66043.9	0.7302	0.00001106	0.7319	23.9	0.01469	0.240	
n-Butane	162020.7	1.7800	0.00001099	1.7842	58.3	0.03581	0.565	
iso-pentane	42504.6	0.4151	0.00000977	0.4160	16.7	0.01036	0.153	
n-Pentane	48382.7	0.4535	0.00000937	0.4545	18.3	0.01132	0.165	
hexanes	36350.0	0.3570	0.00000982	0.3579	17.1	0.01065	0.148	
heptanes	33635.0	0.2005	0.00000596	0.2009	11.1	0.00695	0.093	
octanes	19881.0	0.1031	0.00000519	0.1034	6.5	0.00408	0.053	
nonanes+	4107.0	0.0098	0.00000238	0.0098	0.7	0.00043	0.006	
Total:		99.7681		100.0000	1225.5	0.77935	19.271	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7681		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flow to Impinger (scfh)	78.0		

Result	Dry	Sat.	
Flowing Pressure (psia)	101.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1225.5	1204.2	
Gross Heating Value (BTU / Real cu.ft.)	1230.3	1209.3	
Relative Density (G), Real	0.7820	0.7796	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.7681	97.0000	103.0000	Pass	

**UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM****Facility Id#** fAPP2126659618**Operator:** OXY USA, Inc.**Facility:** Mesa Verde 18 CTB**Flare Date:** 07/24/2025**Duration of Event:** 03 Hours 49 Minutes**MCF Flared:** 551**Start Time:** 08:10 PM**End Time:** 11:59 PM**Cause:** Emergency Flare > Third Party Downstream Activity > Enlink > Lobo Plant > Operational Issues > Weather Related > Power Loss**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, a flaring event was triggered when Enlink, a third-party downstream operator, experienced a power outage at their Lobo Plant due to severe thunderstorms in the area. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by the power loss at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas generated by third-party downstream operator challenges, it is employed as a critical safety measure. This process allows us to control facility overpressure, safely combust excess gas, and mitigate potential risks including equipment damage, leaks, or explosions, thereby ensuring the protection of our operations, equipment, and field personnel. OXY's operations and facility equipment were operating normally and at full capacity before the flaring event, which was attributed to operational issues at Enlink's Lobo Plant. 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 98% combustion efficiency to lessen emissions as much as possible. In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced a power outage at their Lobo Plant due to severe thunderstorms in the area. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by the power loss at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to

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

OXY is not able to implement or take corrective actions to resolve the underlying cause or prevent future instances of third-party downstream operator's gas flow restriction, shut-in, or suspension within their offload sales gas pipeline, as these issues occur beyond OXY's custody transfer point and lie outside the company's control. Operational challenges at Enlink that affect its ability to manage gas flow volumes from OXY may consequently limit OXY's capacity to continue its sales gas transmission. In these instances, excess gas must be flared to ensure safety when sales gas line pressures reach hazardous levels, potentially impacting Oxy's operations, equipment, and field personnel. OXY is dedicated to minimizing emissions wherever feasible and strives to maintain effective communication with both downstream and midstream operators, when practical, to address such issues promptly and efficiently.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

Action 493526

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 493526
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 493526

QUESTIONS

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	Action Number: 493526
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QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2126659618] MESA VERDE 18 CTB
<i>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.</i>	

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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 within 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 > Enlink > Lobo Plant > Operational Issues > Weather Related > Power Loss

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	3
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 493526

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/24/2025
Time vent or flare was discovered or commenced	08:10 PM
Time vent or flare was terminated	11:59 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: 551 Mcf Recovered: 0 Mcf Lost: 551 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	[320009] ENLINK MIDSTREAM OPERATING, LP
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, a flaring event was triggered when Enlink, a third-party downstream operator, experienced a power outage at their Lobo Plant due to severe thunderstorms in the area. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by the power loss at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas generated by third-party downstream operator challenges, it is employed as a critical safety measure.

Steps taken to limit the duration and magnitude of vent or flare	<p>In this case, a flaring event was triggered when Enlink, a third-party downstream operator, experienced a power outage at their Lobo Plant due to severe thunderstorms in the area. This resulted in an unplanned halt in sales gas flow intake from OXY by Enlink operations. Enlink personnel did not provide advance or subsequent notification to OXY staff regarding the potential interruption of gas intake caused by the power loss at Lobo Plant, until after flaring was triggered. OXY's field and operations teams continuously monitor facility performance for any deviations from standard operating parameters, and upon initiation of flaring, OXY field personnel promptly implemented procedures to divert gas to available storage wells and reduced output from several wells, ensuring that field pressure remained below the facility's established flare trigger setpoints to terminate the flaring event. While flaring is not OXY's preferred solution for managing surplus gas generated by third-party downstream operator challenges, it is employed as a critical safety measure. This process allows us to control facility overpressure, safely combust excess gas, and mitigate potential risks including equipment damage, leaks, or explosions, thereby ensuring the protection of our operations, equipment, and field personnel. OXY's operations and facility equipment were operating normally and at full capacity before the flaring event, which was attributed to operational issues at Enlink's Lobo Plant. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.</p>
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	<p>OXY is not able to implement or take corrective actions to resolve the underlying cause or prevent future instances of third-party downstream operator's gas flow restriction, shut-in, or suspension within their offload sales gas pipeline, as these issues occur beyond OXY's custody transfer point and lie outside the company's control. Operational challenges at Enlink that affect its ability to manage gas flow volumes from OXY may consequently limit OXY's capacity to continue its sales gas transmission. In these instances, excess gas must be flared to ensure safety when sales gas line pressures reach hazardous levels, potentially impacting Oxy's operations, equipment, and field personnel. OXY is dedicated to minimizing emissions wherever feasible and strives to maintain effective communication with both downstream and midstream operators, when practical, to address such issues promptly and efficiently.</p>

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
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	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
marialuna2	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.	8/7/2025