


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 Impingement (deg. F)	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:** 05/12/2025**Duration of Event:** 13 Hours 4 Minutes**MCF Flared:** 241**Start Time:** 08:23 AM**End Time:** 09:27 PM**Cause:** Emergency Flare > Third Party Downstream Activity > Enlink > Rico Station > Operational Issues**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 preventive maintenance practices. In this case, Enlink, third-party operated downstream pipeline operator, suddenly and unexpectedly several emergency shutdowns, which affected Oxy operations, as they were having operational issues at their Rico station, which in turn prompted high line pressure to occur, which then triggered several brief intermittent flaring instances to occur. Oxy is unable to predict or anticipate when Enlink will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. This event could not have been foreseen, avoided, or prevented by Oxy from happening as it occurred with no advance notice or warning from Enlink. If prior notification was made to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility and to sales, which in turn would have mitigated the chance of a flaring event occurring. This flaring situation was beyond OXY's control, yet Oxy took all possible measures to reduce emissions effectively. This flaring event's duration and volume resulted from several intermittent flares over 24 hours.

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, Enlink, third-party operated downstream pipeline operator, suddenly and unexpectedly several emergency shutdowns, which affected Oxy operations, as they were having operational issues at their Rico station, which in turn prompted high line pressure to occur, which then triggered several brief intermittent flaring instances to occur. Although Oxy strived to keep communication channels open with Enlink personnel, there was no dialogue regarding the disruptions happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enlink did not provide any advance warning to the personnel at Oxy regarding a potential facility shutdown. If prior notification was made to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility, which in turn would have mitigated the chance of a flaring event occurring. As soon as flaring was triggered in each instance, Oxy production techs choked back several wells and the field area's mitigation

optimizers cut injection rates to wells in the field to reduce injection and sales gas across the area so that field pressure would stay below the flare trigger setpoints of the facility to cease flaring. This flaring situation was beyond OXY's control, yet Oxy took all possible measures to reduce emissions effectively.

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

Oxy is not in a position to implement corrective measures to address the root cause and prevent future incidents of an emergency shutdown, gas flow restriction, shut-in or suspension in the Enlink offload pipeline, since this matter is beyond Oxy's custody transfer point and outside of Oxy's capacity to correct or keep from happening again. When Enlink and its operations face challenges managing the volume of gas flow from Oxy, it then limits Oxy's ability to push forward with its sales gas transmission, which in turn prompts Oxy to flare its excess gas. Oxy is committed to minimizing emissions as much as possible and aims to maintain open communication with its downstream and midstream operators, when feasible, to handle such events effectively.

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 467765

DEFINITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 467765
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 467765

QUESTIONS

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	Action Number: 467765
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	Unavailable.
Incident Facility	[fAPP2126659618] MESA VERDE 18 CTB

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	Yes
Is this considered a submission for a vent or flare event	Yes, minor 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 > Rico Station > Operational Issues

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	74
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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 467765

QUESTIONS (continued)

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

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/12/2025
Time vent or flare was discovered or commenced	08:23 AM
Time vent or flare was terminated	09:27 PM
Cumulative hours during this event	13

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: 241 Mcf Recovered: 0 Mcf Lost: 241 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	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	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 preventive maintenance practices. In this case, Enlink, third-party operated downstream pipeline operator, suddenly and unexpectedly several emergency shutdowns, which affected Oxy operations, as they were having operational issues at their Rico station, which in turn prompted high line pressure to occur, which then triggered several brief intermittent flaring instances to occur. Oxy is unable to predict or anticipate when Enlink will have issues as this is beyond Oxy's control. Every necessary precaution was taken to ensure that minimization of flaring was done. This event could not have been foreseen, avoided, or prevented by Oxy from happening as it occurred with no advance notice or warning from Enlink. If prior notification was made to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility and to sales, which in turn would have mitigated the chance of a flaring event occurring. This flaring situation was beyond OXY's control, yet Oxy took all possible measures to reduce emissions effectively. This flaring event's duration and volume resulted from several intermittent flares over 24 hours.

Steps taken to limit the duration and magnitude of vent or flare	<p>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, Enlink, third-party operated downstream pipeline operator, suddenly and unexpectedly several emergency shutdowns, which affected Oxy operations, as they were having operational issues at their Rico station, which in turn prompted high line pressure to occur, which then triggered several brief intermittent flaring instances to occur. Although Oxy strived to keep communication channels open with Enlink personnel, there was no dialogue regarding the disruptions happening on their end. This lack of communication and information significantly hindered Oxy's ability and capacity to prevent flaring. Oxy's field and operations teams diligently oversee the facility to swiftly identify any deviations from standard operational parameters. Nevertheless, Enlink did not provide any advance warning to the personnel at Oxy regarding a potential facility shutdown. If prior notification was made to Oxy personnel, field and operation personnel would have adjusted and balanced the wells to reduce the amount of gas being sent to the facility, which in turn would have mitigated the chance of a flaring event occurring. As soon as flaring was triggered in each instance, Oxy production techs choked back several wells and the field area's mitigation optimizers cut injection rates to wells in the field to reduce injection and sales gas across the area so that field pressure would stay below the flare trigger setpoints of the facility to cease flaring. This flaring situation was beyond OXY's control, yet Oxy took all possible measures to reduce emissions effectively.</p>
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	<p>Oxy is not in a position to implement corrective measures to address the root cause and prevent future incidents of an emergency shutdown, gas flow restriction, shut-in or suspension in the Enlink offload pipeline, since this matter is beyond Oxy's custody transfer point and outside of Oxy's capacity to correct or keep from happening again. When Enlink and its operations face challenges managing the volume of gas flow from Oxy, it then limits Oxy's ability to push forward with its sales gas transmission, which in turn prompts Oxy to flare its excess gas. Oxy is committed to minimizing emissions as much as possible and aims to maintain open communication with its downstream and midstream operators, when feasible, to handle such events effectively.</p>

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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

Action 467765

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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.	5/27/2025