

Connections

	OTK Vapor	OTK Working	PW Loading	PWTK Breathing	PWTK Emission
From Block	OTKs 1-4	--	--	--	MIX-103
To Block	--	MIX-102	--	MIX-103	MIX-104

Stream Composition

	OTK Vapor	OTK Working	PW Loading	PWTK Breathing	PWTK Emission
Mole Fraction	%	%	%	%	%
H2S	0.00224604	0.00462197 *	21.6263 *	21.6263 *	21.6263
Carbon Dioxide	0.333914	0.636312 *	18.5986 *	18.5986 *	18.5986
Nitrogen	0.440724	0.0937323 *	0.0342775 *	0.0342775 *	0.0342775
Methane	67.4454	44.8642 *	10.5269 *	10.5269 *	10.5269
Ethane	8.12789	17.2879 *	2.00503 *	2.00503 *	2.00503
Propane	0.86313	1.64913 *	0.582749 *	0.582749 *	0.582749
Isobutane	2.47608	4.33775 *	0.0453474 *	0.0453474 *	0.0453474
n-Butane	7.05746	11.9612 *	0.20238 *	0.20238 *	0.20238
Isopentane	3.46717	5.4466 *	0.0297669 *	0.0297669 *	0.0297669
n-Pentane	3.25205	4.94251 *	0.00647689 *	0.00647689 *	0.00647689
i-Hexane	3.41016	4.85939 *	0.00929278 *	0.00929278 *	0.00929278
Benzene	0.222837	0.30292 *	1.61203 *	1.61203 *	1.61203
Toluene	0.252102	0.303903 *	1.75051 *	1.75051 *	1.75051
Ethylbenzene	0.0206921	0.0223607 *	0.133963 *	0.133963 *	0.133963
m-Xylene	0.064141	0.0689816 *	0.417522 *	0.417522 *	0.417522
p-Xylene	0	0 *	0 *	0 *	0
o-Xylene	0	0 *	0 *	0 *	0
n-Hexane	1.0789	1.46339 *	0.000799331 *	0.000799331 *	0.000799331
2,2,4-Trimethylpentane	0.0909992	0.114082 *	3.83162E-05 *	3.83162E-05 *	3.83162E-05
Heptane	1.03987	1.26524 *	0.000343978 *	0.000343978 *	0.000343978
Octane	0.26907	0.294232 *	1.91101E-05 *	1.91101E-05 *	1.91101E-05
Nonane	0.0803011	0.0784578 *	3.22908E-06 *	3.22908E-06 *	3.22908E-06
Decanes+	0.00482561	0.00302277 *	0.0102575 *	0.0102575 *	0.0102575
H2O	5.09212E-11	1.02972E-10 *	42.4073 *	42.4073 *	42.4073

	OTK Vapor	OTK Working	PW Loading	PWTK Breathing	PWTK Emission
Molar Flow	lbmol/h	lbmol/h	lbmol/h	lbmol/h	lbmol/h
H2S	5.45442E-05	0.000212437 *	0	0.00065852 *	0.00205211
Carbon Dioxide	0.00810896	0.0292464 *	0	0.000566326 *	0.00176481
Nitrogen	0.0107028	0.00430816 *	0	1.04374E-06 *	3.25257E-06
Methane	1.63788	2.06207 *	0	0.000320542 *	0.000998889
Ethane	0.197382	0.794593 *	0	6.10528E-05 *	0.000190256
Propane	0.0209608	0.0757981 *	0	1.77446E-05 *	5.52967E-05
Isobutane	0.0601307	0.199374 *	0	1.38082E-06 *	4.30299E-06
n-Butane	0.171388	0.549766 *	0	6.16246E-06 *	1.92038E-05
Isopentane	0.0841988	0.250339 *	0	9.06399E-07 *	2.82456E-06
n-Pentane	0.0789747	0.22717 *	0	1.97221E-07 *	6.14588E-07
i-Hexane	0.0828144	0.222349 *	0	2.82064E-07 *	8.81786E-07

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Date (C-129 Was Filed)	Date (Flaring Discovered)	Date Flaring Occurred	Location	Flare Source Equipment	Gas Volume (MCF)	Flared or Vented	Start Time of the flare event	End Time of the flare event	Flare Duration (hr)
2/19/2024	2/19/2024	2/6/2024	Firethorn	Tripod LP Tip	58.09	Flared	12:37 PM	11:06 PM	10.48

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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
District IV
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 315509

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 315509
	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 315509

QUESTIONS

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	Action Number: 315509
	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	[fAPP2203855966] FIRETHORN

Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
Was this vent or flare caused by an emergency or malfunction	No
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	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	67
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	23
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, Page 2

Action 315509

QUESTIONS (continued)

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	Action Number: 315509
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/06/2024
Time vent or flare was discovered or commenced	12:37 PM
Time vent or flare was terminated	11:06 PM
Cumulative hours during this event	10

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Repair and Maintenance Flow Line - Production Natural Gas Vented Released: 58 Mcf Recovered: 0 Mcf Lost: 58 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
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	Malfunction of Process Equipment
Steps taken to limit the duration and magnitude of vent or flare	Optimize the VRUs to run more efficiently.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Optimize the gas to the VRUs to reduce faults and use less units on location.

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ACKNOWLEDGMENTS

Action 315509

ACKNOWLEDGMENTS

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	Action Number: 315509
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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 315509

CONDITIONS

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	Action Number: 315509
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tboeckholt	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.	2/19/2024