

**C9+ Analysis**

GPA 2172-19/API 14.5 Report with GPA 2145-16 Physical Properties

Sample Information

	Sample Information
Sample Name	TF 939
Operator	Kaiser Francis
Lease	RH WC TOTAL FACILITY PL
Sample Date/Time	2-16-24 12:15 PM
Sample End Date	
Laboratory	Laboratory Services and Measurement
Technician	LC
Analyzer Type	Gas Chromatograph - TCD
Analyzer Make & Model	Agilent Micro GC 3000
Last Calibration/Validation Date	02-26-2024
Sample Temperature	92.3 F
Sample Pressure	90.86 PSI
Sample Flow Rate	10263.91 MCF
Ambient Temperature	57 F
Heat Tracing	Yes
Sample Type	Spot
Sampling Method	Fill and Purge
Company Collecting Sample	LSM
Sampled By	JAMES HILL
Cylinder #	536
Mole, Weight, or Percent (For Flowcal DON'T EDIT)	M
Sample Calculation Method(For Flowcal DON'T EDIT)	GPA 2172-19/API 14.5 Report with GPA 2145-16 Physical Properties
Report Date	2024-02-27 15:01:17

Component Results

Total Flow Updated: 02-29-24

Component Name	Un-Normalized Mole%	Norm Mole%
Nitrogen	1.0770	1.0737
Carbon Dioxide	0.2180	0.2173
Methane	74.5730	74.3410
Ethane	12.7590	12.7193
Propane	6.3110	6.2914
isobutane	0.8780	0.8753
n-Butane	2.1950	2.1882
isopentane	0.5310	0.5293
n-Pentane	0.6340	0.6320
hexanes	0.4680	0.4665
heptanes	0.4310	0.4297
octanes	0.1710	0.1705
nonanes+	0.0660	0.0658
hydrogen sulfide	0.0000	0.0000
Total:	100.3120	100.0000

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	100.3120		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1344.8	1321.4	
Gross Heating Value (BTU / Real cu.ft.)	1350.6	1327.7	
Relative Density (G), Ideal	0.7821	0.7793	
Relative Density (G), Real	0.7851	0.7827	
Compressibility (Z) Factor	0.9957	0.9953	
Total GPM	19.887	19.649	

RH FP1 WC Flare Meter

Date	Close Reading	Open Reading	Static Pressure Psia	Differential	Gas Flowed
1/7/2025	504.05	429.71	0.00	0.00	72.88

*The volume was obtained from the flare meter and adjusted to the pressure base of 15.025.

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

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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

DEFINITIONS

Action 417692

DEFINITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 417692
	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 417692

QUESTIONS

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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 Well	Unavailable.
Incident Facility	[fAPP2205546238] RH CTB 1

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	No
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, 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 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 <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	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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 417692

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/06/2025
Time vent or flare was discovered or commenced	05:45 AM
Time vent or flare was terminated	08:29 AM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Pipeline (Any) Natural Gas Flared Released: 73 Mcf Recovered: 0 Mcf Lost: 73 Mcf.
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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[258315] MARKWEST ENERGY OPERATING CO LLC
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	Intermittent HLP was beyond our control
Steps taken to limit the duration and magnitude of vent or flare	Curtailed production and/or shut-in wells
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Ongoing effort with downstream partners to increase reliability

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ACKNOWLEDGMENTS

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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

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CONDITIONS

Created By	Condition	Condition Date
yvonned	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.	1/7/2025